

Nicolas Vargas

Search history

Search 1: TA=(egg* and (sort* or classif*)) (Results 1917)
Search 2: 1 and cloud (Results 26)

1) Family number: 69738043 (US2018136795A)

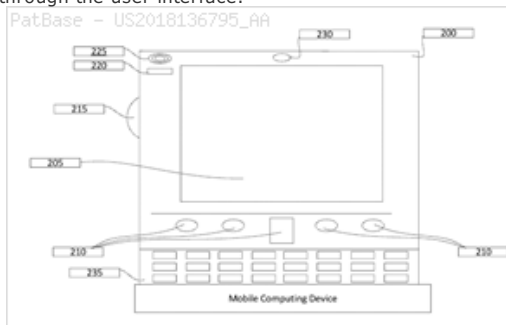
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Title: LAYERED CONTENT SELECTION

Abstract: Non-limiting examples of the present disclosure describe functionality for content selection that efficiently enables block copying of content from an executing application even when content is traditionally non-selectable in the executing application. An application may be executing, for example, on a computing device. Input may be received that triggers activation of a user interface for content selection. A layered view of the application and the user interface may be presented based on the received input. As an example, the layered view presents the user interface layered over the application. A block portion of content from the application may be selected based on a single action. Among other examples, the single action may be a non-continuous device click or a non-continuous touch input processed through the user interface. Additional action(s) for the selected block portion of content may be accessible through the user interface.

Classifications:

International (IPC 8-9): G06F G06F17/00 G06F3/0482 G06F3/0484
G06F3/0488 G06F9/44 G06F9/451 (Advanced/Invention)
CPC: G06F3/0482 G06F3/0488 G06F9/451 G06F3/04842
G06F2203/04804



Family:

Publication number	Publication date	Application number	Application date
AU2017356878 AA	20190418	AU20170356878	20171107
BR112019007342 A2	20190702	BR20191107342	20171107
CA3041079 AA	20190417	CA20173041079	20171107
CN109952557 A	20190628	CN201780070292	20171107
CO20190004602 A2	20190521	CO20190004602	20190503
IL266443 A0	20190630	IL20170266443	20171107
IN201947018413 A	20190524	IN201947018413	20190508
KR20190084051 A	20190715	KR20197013659	20171107
SG11201903880U A1	20190530	SG20191103880	20171107
US2018136795 AA	20180517	US20160350403	20161114
US2019146642 AA	20190516	US20190242814	20190108
US10216368 BB	20190226	US20160350403	20161114
WO18089320 A1	20180517	WO2017US60262	20171107

Priority:

US20160350403 20161114 WO2017US60262 20171107 US20190242814 20190108

Probable Assignee: MICROSOFT CORP

Assignee(s): (std): MICROSOFT CORP ; MICROSOFT TECHNOLOGY LICENSING LLC

Assignee(s): WON SUNG JOON

Inventor(s): (std): WON SUNG JOON

Inventor(s): SUNG JOON WON

Agent(s): DAVIES COLLISON CAVE PTY LTD; SMART AND BIGGAR; MINHAS SANDIP S ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 73124048 (WO19025323A1)

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Title: METHOD AND APPARATUS FOR PROCESSING AN **EGGSHELL** IN THE REGION OF THE BLUNT POLE OF AN AVIAN **EGG**

Abstract: For the purposes of processing an **eggshell** (3) of an avian **egg** with an embryo contained therein, a position of

an air cell (7), which is arranged between an inner membrane (6) and an outer membrane (5) of the avian **egg** in the region of the blunt pole (4), is established. To this end, an image of the avian **egg** is captured using a sensor device (11), the output signal or output data of which is substantially independent of a colour of the **eggshell** (3), and the image is evaluated for establishing the position of the air cell (7). A processing device (14) is actuated for processing the **eggshell** (3) in the region of the blunt pole (4) in a manner dependent on the position of the air cell (7) that was established by evaluation of the image.

Classifications:

International (IPC 8-9): A01K43/00 G01N33/08 (Advanced/Invention)

CPC: A01K43/00 G01N33/08

PatBase - W019025323_A1

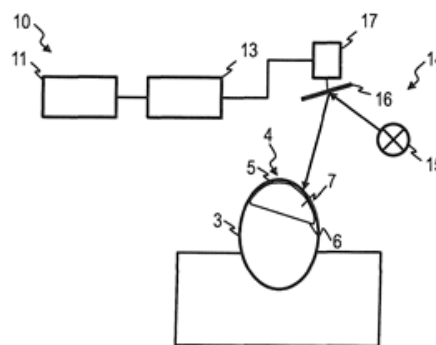


FIG. 3

Family:

Publication number	Publication date	Application number	Application date
EP3437468 A1	20190206	EP20170184291	20170801
WO19025323 A1	20190207	WO2018EP70474	20180727

Priority:

EP20170184291 20170801

Probable Assignee: AGRI ADVANCED TECH GMBH

Assignee(s): (std): AGRI ADVANCED TECH GMBH

Assignee(s): AGRI ADVANCED TECHNOLOGIES GMBH

Inventor(s): (std): FISCHER BJOERN ; HURLIN JOERG ; HURLIN M SC AGR JOERG ; MEISSNER SVEN

Agent(s): VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB; VOSSIUS AND PARTNER

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 49274068 (US2011177206A)

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Title: SYSTEMS AND METHODS FOR PROCESSING **EGGS**

Abstract: A package of **eggs** is disclosed which comprises a plurality of **eggs** arranged in one or more rows. The **eggs** are arranged in the package so that a long axis of each **egg** in the package is tilted toward the back of the package so as to be at least slightly offset from vertical. In some embodiments, each of the **eggs** in the package may have information laser marked on it in substantially the same location as the other **eggs** in the package, and the **eggs** may be oriented in the package such that information marked on each **egg** faces substantially the same direction as the information marked on the other **eggs** in the package. Additionally, in some embodiments, each of the **eggs** in the package may have particular information marked on it, and each of the **eggs** in the package may be positioned in the package such that at least the particular information is visible upon opening the package, without altering a position of the **egg**. Further, in some embodiments, the **eggs** may be arranged in the package such that the long axes of all of the **eggs** in each row of **eggs** in the package form approximate right angles with respect to a line intercepting bottoms of receptacles holding the **eggs** in such a row and/or such that the long axes of all of the **eggs** in each row of **eggs** in the package form approximate right angles with respect to a line intercepting bottoms of receptacles holding the **eggs** in such a row.

Classifications:

International (IPC 8-9): A01K45/00 A22C13/00 A23B5/00 A23B7/148 A23L A23L1/025 A23L1/27 A23L1/32 A23L15/00 A23L5/30 A23L5/40 B23K26/00 B23K26/03 B23K26/10 B23K26/14 B23K26/142 B23K26/18 B23K26/402 B23K26/42 B41J B41J3/407 B41M B41M5/26 B65B B65B1/04 B65B21/06 B65B23/06 B65B35/56 B65B63/00 B65D B65D25/10 B65D5/50 B65D81/02 B65D85/32 (Advanced/Invention);

A23L15/00 B65B23/02 (Advanced/Non-invention);

A23L B41J B41M B65B B65D (Subclass/Invention)

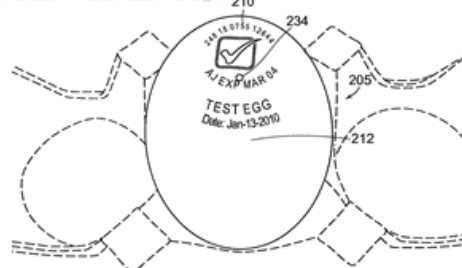
International (IPC 1-7): A23L1/32 B41M3/00 B65D85/32

CPC: B41M5/26 B65D85/322 B65D85/324 B65D2203/00 B65D2203/12 A01K43/10 B41J2/442 B41M5/24 B65B35/58 B65B55/24 A23L15/00 B65B35/56 A23L5/36 A23L5/32 A23L5/40 B41J3/546 B65B23/06 B65B23/02 B65B63/005 B65D85/32 B65D2571/00919 B41J3/54 B65D85/321 B41J3/4073

European: A23L1/32 B41J3/407D B65D85/32 L41J3/54C L65D571/00Y9L

US: 1/1 101/35 119/50.7 206/521.1 206/521.8 206/521.9 426/106 426/119 426/119S 426/232 426/234 426/237 426/248 426/248P 426/298 426/298S 426/383 426/392 426/614 426/87 426/87P 53/443 53/446 53/473 53/473P

PatBase - US2011177206_AP



Family:

Publication number	Publication date	Application number	Application date
AR079940 AA	20120229	AR2011P100175	20110119
AU2011207592 AA	20120816	AU20110207592	20110119

AU2011207592 BB	20140320	AU20110207592	20110119
AU2014203357 AA	20140710	AU20140203357	20140620
CA2787736 AA	20120720	CA20112787736	20110119
CN102762385 A	20121031	CN201180004890	20110119
CN102762385 B	20161019	CN201180004890	20110119
CN104321264 A	20150128	CN201380021043	20130220
EP2525979 A1	20121128	EP20110703946	20110119
EP2525979 B1	20150902	EP20110703946	20110119
EP2817244 A1	20141231	EP20130710138	20130220
GB201214477 A0	20120926	GB20120014477	20110119
GB2489653 A1	20121003	GB20120014477	20110119
GB2489653 B2	20140409	GB20120014477	20110119
HK1206316 A1	20160108	HK20150106938	20150721
IL219514 A0	20120628	IL20110219514	20110119
JP2013517000 T2	20130516	JP20120550083T	20110119
JP2015508044 T2	20150316	JP20140557876T	20130220
JP5913134 B2	20160427	JP20120550083T	20110119
KR20120123022 A	20121107	KR20127014122	20110119
MX2014009986 A1	20150511	MX20140009986	20130220
MX353171 B	20171220	MX20140009986	20130220
TW201143950 A	20111216	TW20110102068	20110119
US2011177206 AA	20110721	US20100690886	20100120
US2011177207 AA	20110721	US20100690890	20100120
US2011177217 AA	20110721	US20100690859	20100120
US2012180436 AA	20120719	US20120401241	20120221
US2013017296 AA	20130117	US20120554485	20120720
US2013212981 AA	20130822	US20120401211	20120221
US2014287108 AA	20140925	US20140297423	20140605
US2015101288 AA	20150416	US20140520193	20141021
US8455026 BB	20130604	US20100690890	20100120
US8455030 BB	20130604	US20100690859	20100120
US8715757 BB	20140506	US20100690886	20100120
US8871287 BB	20141028	US20120401241	20120221
US9315317 BB	20160419	US20120401211	20120221
WO11091011 A1	20110728	WO2011US21680	20110119
WO13126420 A1	20130829	WO2013US26888	20130220

Priority:

US20100690859	20100120	US20100690872	20100120	US20100296837P	20100120
US20100296837	20100120	US20100690876	20100120	US20100690886	20100120
US20100690890	20100120	US20100690896	20100120	US20100690898	20100120
AU20110207592	20110119	WO2011US21680	20110119	US20120401241	20120221
US20120401211	20120221	US20120554485	20120720	WO2013US26888	20130220
US20130875845	20130502	US20140297423	20140605	AU20140203357	20140620
US20140520193	20141021				

Probable Assignee: YTA HOLDINGS LLC

Assignee(s): (std): HEGYI MARCO ARMAND ; NEWMARKET IMPRESSIONS LLC ; TEN MEDIA LLC ; MITCHELL BARRY CHAIT ; MARCO ARMAND HEGYI ; GREG ANDERSON ; ALLAN IRWIN BROWN ; ANDERSON GREG ; BLACKBURN RICHARD ; BROWN ALLAN IRWIN ; CHAIT MITCHELL BARRY

Assignee(s): CONTROL LASER CORP ; YABC LLC ; YTA HOLDINGS LLC ; YUCAIPA COMPANIES LLC

Inventor(s): (std): ANDERSON GREG ; HEGYI MARCO ARMAND ; BROWN ALLAN IRWIN ; CHAIT MITCHELL BARRY ; BLACKBURN RICHARD ; MARCO ARMAND HEGYI ; MITCHELL BARRY CHAIT ; GREG ANDERSON ; BARRY CHAIT MITCHELL ; ARMAND HEGYI MARCO ; IRWIN BROWN ALLAN ; RICHARD BLACKBURN

Inventor(s): ALLAN IRWIN BROWN

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; MARTIN PHILIP JOHN; BERTSCH FLORIAN OLIVER; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; LIU SHEN AND ASSOCIATES; INABA YOSHIYUKI; WOLF GREENFIELD AND SACKS P C; WOLF GREENFIELD AND SACKS PC; HENRY STEVEN J; CHEUNG HUGHES LING

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY NZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 65394078 (US2017103504A)

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Title: SYSTEM FOR THE IDENTIFICATION AND QUANTIFICATION OF HELMINTH **EGGS** IN ENVIRONMENTAL SAMPLES

Abstract: Process and system for identifying and quantifying helminth **eggs** in water, sludge, biosolid and/or excreta samples among others, from images comprising filtering the images with an anisotropic filter maintaining the borders of the images, obtaining filtered images; filtering the filtered images applying Laplacian of Gaussian detecting changes in the filtered images, and obtaining binarized images; separating the binarized images by means of a filtered distance field Watershed filter, obtaining the images; filtering the images eliminating objects by perimeter compactness, considering the size of the objects in the images filtered again and separating the differences to avoid false positives, obtaining images with identified objects; characterizing the objects identified in the images segmenting the objects by means of gray profiles; and **classifying** the characterized objects according to a statistic **classifier** for identifying and quantifying different species of helminth **eggs**.

Classifications:

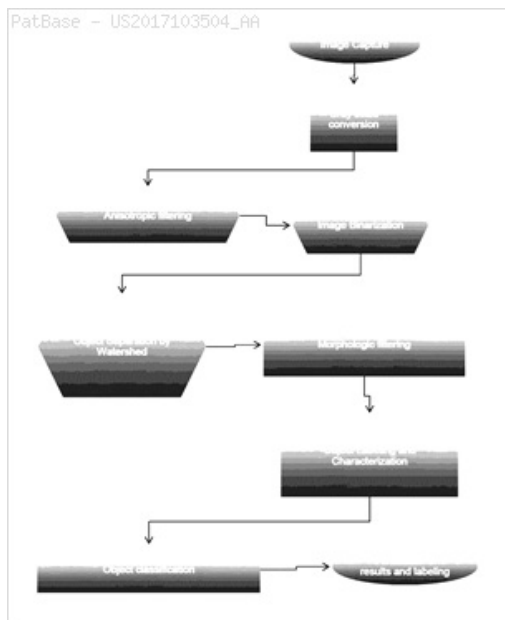
International (IPC 8-9): G06K9/00 G06K9/46 G06T5/20 G06T5/40

G06T7/00 G06T7/40 G06T7/60 G06T7/62 (Advanced/Invention)

CPC: G06K9/0014 G06K9/00147 G06K2009/4666 G06T7/0012

G06T7/62 G06T2207/10056 G06T2207/30024

US: 382/103



Family:

Publication number	Publication date	Application number	Application date
MX2015015024 A1	20170410	MX20150015024	20151028
US2017103504 AA	20170413	US20150879466	20151009
US9773154 BB	20170926	US20150879466	20151009

Priority:

US20150879466 20151009

Probable Assignee: UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO

Assignee(s): (std): UNIV NAC AUTONOMA DE MEXICO

Assignee(s): UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO

Inventor(s): (std): ARAMBULA COSIO FERNANDO ; BARRIOS PEREZ JOSE ANTONIO ; JIMENEZ CISNEROS BLANCA ELENA ; VELASQUEZ RODRIGUEZ GUSTAVO ADOLFO RODRIGO ; MAYA RENDON CATALINA ; CATALINA MAYA RENDON ; JOSE ANTONIO BARRIOS PEREZ ; BLANCA ELENA JIMENEZ CISNEROS ; GUSTAVO ADOLFO RODRIGO VELASQUEZ RODRIGUEZ ; FERNANDO ARAMBULA COSIO

Agent(s): HESLIN ROTHENBERG FARLEY AND MESITI PC

5) Family number: 47544126 (US2012097280A)

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Title: VORTEX GENERATOR WITH VORTEX CHAMBER

Abstract: A vortex generator intended to create a controlled vortex in a fluid medium such as a gas or liquid. The upstream portion of the vortex generator includes an inlet section which directs the fluid into the vortex generator and creates a vortex therein by use of an internal rotational symmetric cavity with a curved geometry. Downstream from the inlet section is a vortex chamber having one of several shapes in which the vortex motion is established. The vortex generator may have one of two shapes, one being a trumpet shape or elongated, and the other being a more ovide or **egg** shape. Also included is a cavitation assembly at the outlet portion of the vortex generator which creates cavitation.

Classifications:

International (IPC 8-9): B01F13/10 B01F5/00 B01F5/06 C02F1/20 C02F1/34 C02F1/38 F15D1/00 (Advanced/Invention);

C02F1/74 C02F103/00 C02F103/08 (Advanced/Non-invention)

CPC: F15D1/0015 B01F5/0057 B01F5/0603 B01F13/1013

B01F13/1016 C02F1/20 C02F1/34 C02F1/74 C02F2103/007

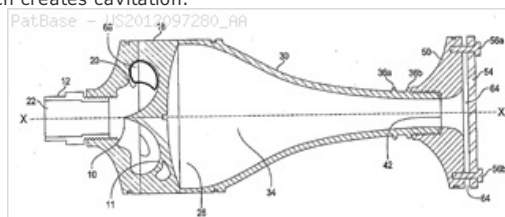
C02F2103/008 C02F2103/08 Y10T137/2087

European: B01F13/10B B01F13/10B2 B01F5/00B B01F5/06B2

C02F1/34 F15D1/00D M02F1/20 M02F1/74 M02F103/00H

M02F103/00S M02F103/08

US: 1/1 137/808



Family:

Publication number	Publication date	Application number	Application date
US2012097280 AA	20120426	US20090319455	20090508
US9243653 BB	20160126	US20090319455	20090508
WO10128915 A1	20101111	WO2009SE50515	20090508

Priority:

WO2009SE50515 20090508

Probable Assignee: WATRECO IP AB

Assignee(s): (std): HALLBERG CURT ; OVESEN MORTEN ; WATRECO AB ; WATRECO IP AB

Inventor(s): (std): OVESEN MORTEN ; HALLBERG CURT

Agent(s): VOLPE AND KOENIG PC; AWAPATENT AB

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: MOSQUITO TRAP

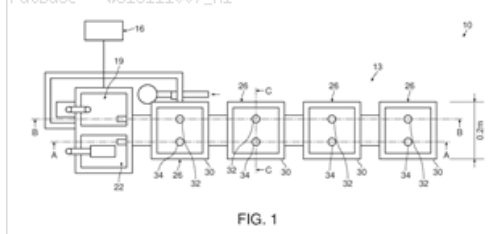
Abstract: The application provides an apparatus for attracting mosquitoes. The apparatus includes one or more mosquito-breeding containers, a purging container with a purging pump, and a purging tube. In particular, the breeding container includes a water outlet that is provided at a bottom of the breeding container. The purging pump is provided for transferring water out of the purging container. The purging tube is connected to the purging container and to the breeding container water outlet of the breeding container. The purging tube is provided for allowing water with any **egg** or larvae to flow, by gravitational force, from the breeding container to the purging tube and to the purging container. The purging pump is further provided with a predetermined low water operating level, which is positioned below the purging tube.

Classifications:

International (IPC 8-9): A01K67/033 A01M1/00 (Advanced/Invention)

CPC: A01K67/033 A01M1/02 A01M1/106 Y02A50/371

PatBase - WO15111007_A1



Family:

Publication number	Publication date	Application number	Application date
SG11201605617Y A1	20160830	SG20161105617	20150126
WO15111007 A1	20150730	WO20151B50560	20150126

Priority:

WO2014IB58520 20140124	SG20141002154 20140507	SG20141005033 20140819
WO2015IB50560 20150126	SG20161105617 20150126	

Probable Assignee: SCHWEIGER MARTIN RAINER GABRIEL

Assignee(s): (std): SCHWEIGER MARTIN RAINER GABRIEL

Inventor(s): (std): SCHWEIGER MARTIN RAINER GABRIEL

Agent(s): SCHWEIGER MARTIN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: I other co-inventor Baba Meiwa Huh applicant name, an attorney rod, Tokyo Stock Soak up gold (9) manufactured by Nippon Shokubai Kagaku Kogyo (8) in JP-A-49-115548 Japanese Patent Office 451,-310A-49 (1974) 4.3, Non-Q (total 13 pages) examination office Docket No. .theta Vu Dan Nippon! **classification** ii / iii: a 11' (f7 74 241 d' I12 / J / 1 L-A, F". .sigma. I', E the name of the invention claims coating composition 2 closed / T / .theta.1, .theta.0, .alpha, .beta. amount sum regret -Rin candy carboxylic acid or one or more fonts. Seven-!! 9.9 parts by weight of # ?, ? ? ? monomer copolymerizable with alpha, .beta.-unsaturated monomers or a copolymer of one or more aqueous dispersion suitable for mixed kneading the amount variation is 20 ° C. or higher, II-I the combined aqueous dispersion of .theta.0 parts by weight (solid basis) K with respect to the boiling point 7 having a 10 ° C. or higher 11/11 or one or more of the solvent to 100 parts by weight ?-J was added to the polymer colloid was added if necessary, coercive-viscosity paste or more .theta.9 about I's autumn and without an aqueous dispersion and the spit of stone, natural stone 9 / I and / @ with respect to the artificial 100 amount of crushed stone 1 to 13 parts by weight (in terms of solid content) and the coating composition, characterized in that. Detailed Description of the Invention The present invention is spray gun, a roller or the like gold trowel, spatula by coating and drying the object to be coated body, natural stone, crushed stone crushed stone and 7 dimensions and / or artificial bamboo (which is artificially was brought down in the present binder not, including F, hereinafter simply referred to as aggregate approximately tens-alive. The color of 1 To Bu), rich in stereoscopic effect out to @ clear paint coating effect may be to give the surface composition, it is # 27-to-present !!. for more information, water resistance, excellent transparency, skin, the uniform continuous coating material to adhesion and fixed with respect to the bone material, and excellent storage during transport is also very stable integrally co-aqueous water through the above coating using a dispersion composition K the present conventionally, such I #. 27 or the like, is not dependent on the number of full-bodied as well known in the art, JP-A No. and JP-B-group-/ inductor I described in the present invention is flavor of the Bancho the former (styrene), alpha-methyl, vinyl toluene, vinyl and styrene ? regret methacrylic acid methyl ester selected from the group consisting of bamboo-ndp / stacked type E: 7? 6?-to one or more of the monomer unit, the number of carbon atoms I and direction, two have put an end to the alcohol residue, a ? " 1.0 or more and the number of carbon atoms in the Sui Dynasty inductor 1 le ester having an alcohol residue of methacrylic acid ester selected from the group consisting of one or more monomers for the I-to-inductor portion 3? ? of the copolymer aqueous dispersion i oil pj switching W'1 (resin content) 700 parts by weight ? or more of the I-boiling solution co-wel Yes 5.5 or double basket 7? ? a paste-like dispersion liquid was added to the crushed stone 11 parts to 700 parts by weight with respect to .theta..sub.I .theta.@, by adding the latter composition is shown, vinyl toluene, acrylic acid esters, vinyl styrene cyclization, maleic acid esters such as drunk like a monomer selected from the group consisting of 0, 2 more than bamboo ? ?, ? 1 rest milk obtained by polymerizing as a main component forming the aqueous dispersion at room temperature as viscosity polymer protective colloids by the addition of .theta.?-? ? ? ? poise yes to I and the I-to 2 parts by weight of water dispersion composition (resin content with respect to 1-th or less switching j) by passing through a sieve of coarse gravel forced crushed stone or a pore former 700 parts by weight obtained by adding a composition comprising gold iron, coating is shown. for forming such a coating loss curve # 1 itself or storage, or, luck rather than ki ryn 1. paste f + liquid in advance prepare a cane. Easy to paint # may straight bevel crushed stone 27. as plowing and mixed well with the instep Kodo is customary inertia. J1-b, for coating of forming composition has a relatively even at low temperatures, the color of the stone rumors taking advantage-coated surface in three-dimensional feeling.\$ b # P, the adhesion between the object to be coated surface, such as the present is good Dare ? of Z5 has just **eggs**, in some embodiments, a double door runner-yu. 6, 11 t 'of the monomer to the bright tone the copolymer I aqueous dispersion, a large amount of information v1: aggregates occurs decrease in yield Kitashi a-?, the daikasa [industry misfire becomes, the obtained copolymer aqueous dispersion stability poor storage of or during transport ? suffering serious consequences, including @, there is a problem such drawbacks. for solving the disadvantages of milk) agent and relatively multi-? stabilizer added using a pull-meter has been proposed a method actually adopted the copolymer

the stability of the aqueous dispersion is improved, water resistance of the electrode 4 of the variation--off the coated surface to deteriorate further outside, cloudy test adhesion and fixing force with respect to the coated surface is crushed stone 1015 JP in the outside down KII, and lead to deterioration in durability of the fundamental solution not in conventional coating composition the present inventors have found that the disadvantages of the instep 1955, taking advantage of the color of the fist aggregate washout effect rich in stereoscopic effect in the paint coated surface is M + white! to the composition obtained in brief and extensive research as a result, a, β -unsaturated carboxylic acid monomer and copolymerizable the acid alpha, hazy moon bulk density beta -unsaturated monomer and was run over by a portable from the copolymer aqueous dispersion, also be used the acid amount is a copolymer as an essential component of the film, the water resistance is lowered, it is said that 4 N, the pre-attack the outer unchanged copolymer aqueous dispersion [4 Koku?, there is no reduction in the water resistance of the stands out, good transparency, to provide a uniform continuous film, adhesion to the object to be coated body, aggregate, fly-in ? become pregnant, it for example, the stability of the copolymer aqueous dispersion in the preparation of the match, the occurrence of aggregation may substantially nil, 11 transport at the time of use do not present any problem, such as excellent effect that 1Ll and L + egg weight to complete the present invention. Therefore, the present purpose of the present invention, the coating material to aggregate-adhesion is excellent and fixing force with respect to the top of the color rich in stereoscopic effect by taking advantage of silent stone out @ clear paint, water resistance effect of the volatilization excellent coated surface coating composition can have a scavenging Kotobuki stone for fine for coating. Another object of the I # are used effectively to the composition of the copolymer aqueous dispersion preparation, the occurrence of agglomerates, whereby the time loss in the present stable luck gaya copolymer aqueous dispersion and the aqueous dispersion and the solvent paste-like contact force if in a point of providing an aqueous dispersion of the other object of the apparent from the following description of the present departure .theta, will be openly/-regret / ?, 100 parts by weight alpha, .beta.-unsaturated carboxylic acid monomers and / or one or, a 9 to 9 parts by weight! ?, ? Sabae rolls out at Ganmangahara, acid monomer copolymerizable with the monomer alpha, beta -Ya in addition sum # 111 causes one or more of a copolymer of an aqueous dispersion, the lowest F a is 10 ° C. or higher conductive ms # @ combined aqueous dispersion 100 parts (solid content) with respect to the amount of switching the organic boiling point 7, the 10 ° C. or higher 711 one double Futagoe ? bamboo to l parts by weight or more Yes, and hence the ? ? additive, if necessary, a conductive polymer protective colloid was added more than y1, 11? [, boies, a paste-like aqueous content E2? Ndp Solution: ? with respect to the aggregate 10 parts by weight, heavy unit, R-HM ?Ri Yu adding 70 solid content, characterized in that it is a a --to-ryn it will be gather clams nono -phase a, β tricarboxylic acid, various alpha, .beta.-unsaturated carboxylic acid thousand' further r, rear i, for example an acid, methacrylic acid, itaconic acid, wolfberry / acid, crotonic acid, water-semi-Este regret, maleic acid, maleic acid, half ester, fumaric acid, and the heritage of the 1 le acid half ester and one or from a class v ' shifted on the pot life of the ties enable umbrella BU, in particular acrylic acid or methacrylic acid are preferred. quantity these # IJ copolymerizable body alpha, beta -unsaturated garnishes, various oxide monomers, such as acrylic, acrylic acid positive glow, methyl acrylate, ethyl acrylate, acrylic acid building in the building, the glob meridional, acrylate, isobutyl acrylate, acrylic acid-butyl acrylate, .theta .theta.c a t-butyl acrylate, isoamyl acrylate, amyl acetate, acrylic tube struck by a ? fist heptyl acrylate, hexyl acrylate, octyl struck by a binder 1ll / lj ethylhexoate, acrylate, ethyl acrylate, acrylic acid, fluoride-1 the beak-acrylate, .gamma.-sik, 1J\full-phenyl methacrylate, acrylic acid and the esters of glycol ethers call 44A-a number from 7 to acrylic acid and / Yes, alcohol esters, acrylic-in this, glycidyl esters, 7 methacrylate, methyl acrylate, methyl acrylate, acrylic acid diethyl 2,6 return null r, r, r meshed amino ethyl amino ethyl methacrylate diethyl ethyl, methacrylic acid, acrylic acid hydroxy hydro Kin' glow hill ? acrylic acid esters such as methyl methacrylate, ethyl methacrylate, propyl methacrylate, methacrylic acid, methacrylic acid butyl, isobutyl methacrylate repdigit building, methacrylic acid M5, isobutyl methacrylate-butyl methacrylate, tert-butyl methacrylate, amyl, isoamyl, methacrylic acid-methacrylic acid-methacrylic acid hexyl, octyl methacrylate and butyl methacrylate the beak # naphthyl hexyl methacrylate, methacrylic decyl, Shun good looking nonyl, dodecyl methacrylate, phenyl methacrylate, 1 !! make sound j I7 and cyclo-hexyl, methacrylic acid esters of glycol or glycol ether of methacrylic acid with an alcohol - - the number of carbon atoms / J Yes, esters of methacrylic tombs glycidyl ester, methacrylic acid dimethyl amino methyl methacrylate, methacrylic acid diethylamino methyl dimethylamine, ethyl methacrylate, diethylaminoethyl acrylate, methacrylic acid and methacrylic acid in Krakow, the third drawer and hydroxypropyl methacrylate, methacrylic acid esters, maleic acid, dimethyl maleate, diethyl maleate, diisopropyl pull-? shifter buildings, maleate, di-iso-heptyl, maleic acid amyl, butyl maleate, di-iso-amyl, maleic acid, maleic acid, maleic acid di-heptyl dihexyl maleate, dioctyl maleate, maleic acid, maleic self-? ethylhexyl dinonyl, didecyl ? warm-up, maleic maleic di-dodecyl, maleic acid and a glycol or glycol ether of the diesters of maleic acid diesters, fumaric buzz fist-binder, diethyl fumarate, dimethyl fumarate, fumaric acid didecyl-? heptyl, diisopropyl fumarate, diisobutyl fumarate, amyl, ? -1-di-iso-amyl fumarate, dihexyl crotonic acid, fumaric acid, dioctyl phthalate, di-heptyl fumarate, di-ethylhexyl, fumaric acid, fumaric acid, dinonyl, didecyl, fumaric acid, fumaric acid and a glycol di-dodecyl-glycol ethers such as the diester of fumaric acid diesters, styrene styrene styrene, alpha-methyl, chloro, vinyl toluene, vinyl xylene, vinyl naphthalene, .alpha., .beta.-unsaturated group ii ' aromatic ethers, ethylene, propylene, butylene, amylen, hexylene, cyclohexene (beta-soo-kai chi, the aliphatic unsaturated group, allyl acetate, allyl laurate, allyl hammer benzoate, allyl methyl ether, allyl ethyl ether, allyl ester such as allyl ether, acrylonitrile, methacrylonitrile, Ann ? cyan, such as polyvinylidene fluoride, vinyl, vinyl Hee-? Hiroshi b 1 vinylidene fluoride, vinyl fluoride, vinyl, such as vinyl ? law .. -2, a porogen, the angle ^ 14 [f-mae-LE, the ' end, 3 ethyl ether: -2, the JL, professional building and an L--2, vinyl isobutyl ether, vinyl butyl ether flow knee, vinyl ether, vinyl isoamyl ether, vinyl hexyl ether, vinyl butyl ether, vinyl isoamyl ether, vinyl cyclohexyl to octyl ether, vinyl phenyl ether, vinyl pen Jill ether, -2 the J-null-hexyl vinyl phenyl ether, vinyl knee decyl ether, 1,1 '-a "fault to the sill. ether, vinyl acetate, vinyl propionate, carbon six branch * * S to 1 aliphatic vinyl esters of monocarboxylic beak valerate, vinyl, vinyl 1-Noryl fullon, crotonyl's acid, capric acid vinyl, vinyl laurate, vinyl myristate, ? Lodge, vinyl palmitate, vinyl stearate and vinyl esters, oleic acid hydrazide group-by, acrylamide, methacrylamide, N, N-diethyl acrylamide, N- methylacrylamide, N, N-diethyl methacrylamide, acrylamide, N-N-building off", N-dipropyl-?L, methacrylic phenyl acrylamide, N-methylol acrylamide, methylol methacrylamide, N-N-alkoxymethyl acrylamide, N-alkoxymethyl acrylamide, N-vinylpyrrolidone, roll 1, diacetone acrylamide, acrylamide, alkyl mena diacetate, methyl 7-? genius tons of non-acrylamide 11 l classnk H; I-j, the sum z: ?2 Bu diethyl maleate, L / 1 · DIBROMIDE, Burma, knee propyl maleate, dibutyl maleate, butyl maleate, di-butyl maleate, / 5e-c-tert-butyl maleate, cyano benzoate <1 / r vj, di-iso-amyl, maleate, dihexyl maleate, Tsure, didecyl-butyl maleate, ethyl maleate, coater dilauryl Futagoe ? maleate maleate of, cyano-methyl fumarate, fumarate, di decyl f-to-maleate, diisopropyl fumarate, fumarate, di 7 beech diisobutyl maleate, butyl fumarate, di 6-di-tert-heptyl sulphates, put an end to a rate amirufumareto, full-decyl hexyl fumarate, di-octyl maleate, fumarate, di /. 96 comments, ethyl didecyl amide-packing rate, maleate, packing, to dicyclohexylamine, didecylamine, amide maleate and the like rate-Rate year-old wife recently revealed can from the group such as bamboo and smell of years-one or one (4 FI1 to operate 'f l-and, in particular, relatively the entire beast" don't Shin Ji4, of the double-sea Osamu defrosting in a ? bu f-coalescence% monomer mixture It is preferred stores use silk splitting is further, acrylamide (2 1. have a functional group such as ° if you want to use a monomer with respect to the total weight fist ? apologize l ? is preferably used in an amount of less alpha, .beta.-unsaturated carboxylic acid copolymer monomer and nucleic acid and I-Tif ability alpha, beta unsaturated monomer and polymer aqueous 13.9 # d min, conventionally known polymerization method emulsion is charged to, for example, gull Fc ionic surfactant and nonionic active agent, the desired field direction increase in the amount of emulsifier aqueous solution of the proportion of the copolymer solids through 30 to 11 4-\$?? so as to regret palace-? added in an amount of the milk solution was prepared! 4 #, causing trouble by words, or rub against ?; 1 to the original work of the polymerization medium to @ and stirred at 0.25 and b If, by copolymerizing, it is possible to obtain volume at this time, the name of the monomer component combined portable silk ? ?, ? from 7 to 12 I ty alpha, .beta.-unsaturated carboxylic acid acid type and q9 9 to 9 # 0.5 parts by weight of the jaw ? ?, ? Shun-monomer and a co-a'-wiles and cunning 1. an ethylenically unsaturated monomer at least l1 of the quantitative proportion of the sand temperature variation 7 ° C. or L1-Yes, ? to good inductor Kota ? ° C. copolymer aqueous rlf obtained content of 11 to know! (In particular should take alpha, beta -unsaturated carboxylic acid, the FII AL1 relatively to interrupt 1 a, β coalescence Inokuchi! -h relatively soft Fdms body and giving a polymer of a, β , to E -blended with interest rate is reduced to the LIU is unsuccessful. can be used in the co-polymerization reaction anionic surfactant fatty acid groups, for example, higher alcohol sulfuric ester group, an alkyl Hanawa, alkyl benzene sulfonic acid, naphthalene sulfonic acid salts, naphthalene acid formalin, huong sogo dialkyl sulfosuccinate, polyoxyethylene alkyl sulfate II Hee # #, mention may be made of non-ionic surface active one, for example, packing the t% polyorganosiloxane polyoxyalkylene alkyl ether, polyoxypropylene-butylene-? graphene Pag e: 48', aralkyl, allyl ether, a fat-I / II-II packing a stylish L of ester, a fatty esters, oxyethylene II and small-to-amyl ester, spirobifluorene borima oxyethylene prompting, fatty acid monoglycerides and the like, these surfactants, you threatening in combination of two or more co-akiyama, bamboo be

used, the amount used is the total monomer to the total umbrella about with respect to .theta, .theta.? say more than necessary/ to / in the range of excellent dry double-?. may be preferably as the polymerization catalyst, free radical fw to the R17 in the "1 .. piece 1, known to the groove, such as ammonium, oxide, sodium or potassium salts, the over-?: II on the platform A acid vulcanization e oxygen water excess acid group, benzoyl peroxide, II the value of the 41I, II Yume caproyl Bu acid, butyl hydroperoxide, radical 92, 7p-hydro-isopropyl building benzene-1,3,2 aluminide or harvesting, 2256 hardware, for example, aliphatic azo initiators and the like, ? Ronnie tolyl. Try out the peroxide catalyst ?? required total amount of from about 0.01 to 31, preferably 0-?, ? I heavy system/ to The amount of the parts by weight, KI is a ? surrounding cover for kotatsu, ?. with a reducing agent redox type touch light caused to now 4 you may also be effectively used with one, such a reducing agent, the ascorbic acid, the rumors of 5Ir, nitrous, hydro sulfide, a sulfonic-beak Osamu, f-vulcanization to put up with any longer Lianyungang Baitabu 1r, it can either be raised in the co-polymerization reaction is an inert cut ?? ? and the autogenous pressure, or under pressure, artificially induced in the atmospheric pressure in a closed vessel, if a rectangular flow-down factor of evening customer may open the polymerization medium in size, it is possible to carried out in the presence of a single copolymer having diarrhea, ## of the catalyst to be used, the activity of the think about and the desired molecule-1-1% is determined by Woo, 0 ° C. or a temperature below 700 ° C. is not more than warm or II of a wide range, preferably in the range of 30 to 90 ° C. may be allowed to change the copolymer obtained in 14 or more, and usually 102,000 to 400 to 2000 or more in full leaf has a molecular weight of copolymer aqueous acidic minutes" to the ct general such a ?? in the bowl-aqueous dispersion f, or a PH adjusting agent, a PH of 7 inertia for the range of ? to I) was adjusted to be used umbrella Yu. Integer PH @ agent, for example ammonia, sodium hydroxide, potassium C15-? zum swimsuit, ethanol amine, Jefferies, triethanolamine, ethanolamine, ethylenediamine, morpholine, dimethylene, mention may be made of compounds such as in this way, the resulting copolymer aqueous dispersion is water resistance, Kyushu # transparency of excellent uniformity and the Drottningholm Court-soo, a continuous Tik Sokarada fixed with respect to the adhesion and the aggregate present. since to dramatically improve the affinity labeling this is generally to use carboxylic acid-m, weights decreases the water resistance of and the skin, from unexpected. In addition, at the time of copolymer aqueous dispersion a not the occurrence of aggregates during transportation, the aqueous dispersion, is extremely stable in storage 41. However, a, B -sum amount cell carboxylic acid monomer 1 parts by weight or less of the .theta, and the copolymerization reaction at Ganmangahara,in a small aggregates occurs, the aqueous dispersion also anxiety savings during shipment woo ! aggregates occurs, performance improvement and 41v, the I) .theta, ? OT amount or more multi-be sounding Tk only the effect of increasing the amount of head spikes can not du don't wait for the water resistance of the skin fr-L in terms of good not disadvantage occurs such as an aqueous dispersion liquid. 5 + 16-to an electrostatic force and to thicken takamaro in forming co-located at Yuseong conductive low instantaneous ? : wetting said wafer with a 4-night stay at ° C. or less of the 1t--the ability to skin to form a transparent continuous what the copolymer contains the affinity with the present is limited to such organic solvents having a boiling point of ° C. or I-amino-Yes, it is up to, for example, xylene, chlorobenzene, dichlorobenzene, butyl benzene, cyclohexane, trichlorethylene, isophorone, butyl acetate, amyl acetate, methyl acetoacetate, ethyl acetoacetate, cellosolve, butyl cellosolve, cellosolve acetate, methyl cellosolve acetate, butyl cellosolve acetate, butyl carboxylate, carboxylic Lipitor, and Lipitor, and the acetate, methyl acetate, carboxylic Lipitor, and the butyl acetate Lipitor, and, diethylcarbamoyl Lipitor, and the Pitot Le, di propylene glycol monomethyl ether, diacetone alcohol, spirit, null, the group selection, can have 11 force) et al. & / single-bamboo 11, one or more of a car. Don't Kume Sakaki, the performance of the light species bath sufficiently to activate cine boars, Bae-like water decomposition END; raise: 5 ? (B about g's penalty molasses to Lf) viscosity, needle i + 1 ° C.) or high viscosity side chamber to reach the I, 1) of solvent amount used for contact #, .. ? amount Q 'Polymer Aqueous parts by weight (in solid equivalent), .theta., .theta.---the ? / ? parts by weight, the aqueous dispersion of the coalescence or thermal heating dry 1 dimensions, not occur on the 41-L, may be added at this time, the bright painting can I-River evening of the Committee for the purpose of improving dry co-boiling under I ? ° C. by adding an organic solvent to the present, also be the <? ... especially at low temperatures of the deposition in the ? & r of complete if necessary, dibutyl phthalate, dibutyl phthalate, glycidyl, such as trickle phosphate 11i1: i = 7 aqueous dispersion agent I ? ? coalescence parts by weight (in solid equivalent), 20 parts by weight, sealed under 1 added in an amount of, it can either be used by adding an organic solvent to the A-4, and a thickened soft water water dispersion excellent workability 1-? freezing Ph near the edge is 4Pr in a coating facilities-[pear in the instep muay IV product, the present utterly disheartened. Co coercive 1" + child rare ml; .psi. and the type of not required; 7) not of the aggregate I - Sa or the # (horizontal-only, "tateshina method (the colloidal dispersion paste * .. 1 by adding an appropriate amount of the coating composition of the thicken to improve the dance image or a Hajime Ratings (7, if necessary 12'+in response, it can be used however, the addition amount is excessive force as possible overlap and edge 1 also be lowered work? °, to improve the section that is capable of rabbit copolymer aqueous dispersion 100 double + 4 'Osamu t (solids) with respect to switching 14 75 parts by weight or less in the range of 4 to 11 ?'" it is a small, good in such a court musician. God molecular colloid as a door, for example methyl cellulose, methyl cellulose, Cal Ho, casein, pheasant, vinyl 1-morpholinocarbonyl later Asolo Earl call acrylamide, hydroxyethyl cellulose, polyethylene oxide, sodium (Na-X-butylene maleimide ", beak, and make sound on the platform a half ester copolymer, acrylic acid homopolymer was on the shore of the mosquito-less acid copolymer, methacrylic acid acid, or orchestra rei # 1, 1 is a single-body present co-mention may be made of 1' now, channel selection from the image / . can have these 111J-E (4-? or more effectively, it is ? for. (Don't present invention the aggregate to be used in a variety of colors and types of a-axis, 417F +), crushed stone, natural stone daikasa of people, such as for example "pottery stone crushed stone, these eight artificially colored building 5 and the like. For example spray coating method rich in stereoscopic effect I in the case of obtaining a coated surface by being T th or 14 Li + eye I !=J, and the hot water - Buddhist through a substantially the entire coating method, also large aggregate by washout ?? to exhibit the effect of the case of obtaining a coated surface, the j-th lower! FIJ ? had passed through the sieve of the instep bone material, it is preferable to use a coated surface. W, in order to obtain, or to use smaller aggregate instep ratio, uniaxial pressure f is narrowing down daikasa aggregate is 1.1 / J - gradation be used by mixing the pigment in the present of the present invention, it is possible is common people, and Emma John on the color of the paint being surprised with the aggregate to the f rich in stereoscopic effect and thus not taking advantage of the surface 4a around the depletion fk is directed, pigments and the like multi-pot life is 1, JTI a good coated surface a dimension tile <supplier [7 <the painted surface, not shown, in some cases a ?! <L, 1 stand 11 and the combination of a pigment within a range not fine powder 4.0T, the force Hl. They play games with dice in interposed Tt with respect to the type of selection and dose. take flight caution printing composition d # g @ wearing copolymer aqueous dispersion, an organic solvent, polymer protective colloids, of the aggregate-N' can be prepared J?, a paste was prepared in advance with the side soft water-liquid nature in advance and stored in the composition for coating a paste-like aqueous dispersion ? when cicada # and the bone material and composition with, it is preferable to cell #, in such a method of integral if described an example, ? in milk-agent aqueous solution a desired mixed for 1 a, B-unsaturated carboxylic acid and the acid amount of the chick r1 copolymerizable alpha, beta -unsaturated and generates the pure hardware ? copolymer solids is in the range of "I'70 so as to be 4 weight was added in an amount uniform emulsion the presence of a polymerization catalyst to 100 ° C. with stirring at II Jinsun Liao copolymerized, the copolymer obtained in aqueous dispersion without heating the boiling point t 7 9 101 or more film forming properties, if necessary, an organic solvent having a polymer protective colloids Jinsun Liao's added along with about 10 or more viscosity of the paste-like aqueous dispersion III to the electrical storage umbrella IL by using the composition for MIN 1 to dispersion spacing and the bone material and water softener in a bookkeeping umbrella with a dry method. K_e: 6' # 9 in this way is obtained by armored acid product in accordance IJ conventionally known coating method such as body 1 (slate, concrete object to be coated, for example be applied to the fire hook up. I gold trowel, spatula to # 11-a place such as a paint coating devices d set all acid, directly applied to the object to be coated of the present back, don't copolymer aqueous dispersion is an aqueous paste affinity labeling autumn content of the object to be coated body, III / j i solution for .theta.O / d or v, inductor At a rate of advance applied to, and this was completely dry 1# 17 without applying the composition for coating, it is possible in particular to use a gold iron and aggregate is attached to the <gold trowel win favor workability because there is no such thing as the adhesion is further improved, since it is the outer. i14 In addition, the severity of the case of performing spray coating spray gun or a compressor of special high horsepower it is not necessary to use such as conventional mortar gun or sound, the compression force sum to + 4 honey for making sound only ? present loss rate at Ganmangahara,rebound Fructus Aurantii Immaturus degrees or less, it can be painted after the coating device is a paste-like aqueous dispersion! somen milky white in mourning, there is also possible to in such a case, I is present in accordance with the FJ II weighs gradually drying and / the natural stone as a milky white stone disappears, the color of the object to be coated, with respect to the nine revealing the binder crushed stone and natural stone, honey pot fixed with respect to the time is increased. 1L to dry wet dream strikeouts, NL Series, location, the composition of the composition for coating or the like, can not be identified settled in

the summer, in the winter to the inner in the back inductor @ to dry time. tv wolfberry within about! and / painted surface after a natural stone 1 * is rich in stereoscopic effect the color of crushed stone exhibits excellent coating effect, or juice out. Then, water resistance, weather resistance, in particular, adhesion, excellent in fixation of the outdoors, 41 mountain, the adhesion between the cape due to wetting and adhesion whitening and vertical, edge, reduction of the degree of discoloration due to ultraviolet rays of the old ? decrease in resistance due to a change in stiffness, such as fouling due to the adhesion of the cape is little, it is exhibited an excellent effect in the present examples and comparative examples, the present invention, operation and effect of the coating composition and is explained in more detail, the present invention only by 8#39; 4I implementation example is restricted, say that the invention is not no way. In the present examples and comparative examples all Example 1 Acrylic heavy 4 parts. # I portion 21 U, and the single-lens reflex the alkoxy-naphthyl acrylate) /'-III portion was with the base monomer, to prepare?! dodecyl benzene sulfonic acid sodium and a Hori polyoxyethylene nonyl ether-i and t@ and dissolved with deionized water 10 parts by I I first emulsifier aqueous solution to 1L, a reflux condenser, a !! was seen meter, a nitrogen gas blowing port honey, a dropping funnel, stirring with customers live product in a glass flask of 9 / I J-theta emulsifier deionized water and the aqueous solution 30 parts of the monomer solution was charged, stirring was added dropwise with Noboru things uniform of ? aqueous emulsion supplier to obtain a liquid. ? ° C. element in under a stream of Atsushi I aqueous solution of ammonium persulfate 6 parts of ? to initiate polymerization at Ganmangahara, about 10 minutes 111 make a stir the remaining monomer and an emulsifier) hardware 360 parts, 70 parts of ammonium persulfate aqueous solution of remaining portion of the first to the solution 1.0 aqueous solution obtained by separately It was added dropwise over minutes, during this time, G? to j-1 ° C. maintaining the ? IIK was polymerized. After completion of the dropwise addition, 16 ° C. for 120 minutes to complete the polymerization, keeping the aggregated amount is generated during the reaction was only. power supply <After cooling the solution, the PH of Korea in 1592 near Ji Bay', solid content of about adjusting the guest JK concentrated 504, about the viscosity 0 poise, still inductor Lf formation at 30 ° C. .1111 on the Jinsun Liao copolymer aqueous dispersion 4 in the aqueous dispersion, or more / stored hearsay V without the occurrence of aggregates in a very stable in the Kyushu. The K serving copolymer aqueous dispersion with respect to 100 parts of xylene 30 parts of polyvinyl alcohol @ parts of I ?, Shima I? soluble solution viscosity to about ? <? with the inductor using a B-type viscosity 1000 poise (not provide dinner for the co-I111) ° C. of the paste-like code : to prepare an aqueous dispersion dispersion j and j, then first O unit @ of crushed stone that has passed through the serpentine cotton and 100 parts thickness with the coating composition of the coating composition of the mortar for the upper diameter mist gun atmospheric pressure pressure, s! force in a proportion of the ZK slate plate 4 to spraying, coating) K. Depending on the rebounding 134 # loss rate was less than 33 ° C., under air Sa Station and t j4 RH7, in about 30 minutes. -dark green forming rich in stereoscopic effect: the coating end 7 is somen?! or crushed 14r) -1 (') 47; strength between the binder together with the area facing each other ho snacks II, 3-III peak BL, Akane Second brush, have 11X painted surface of the instep juice to the present ? Toraku bee crushed stone was observed. [1 tail 7 ? by rain not to the present time, the ? .ji white ratio of Example 1 Example 1, the acrylic-recognized pick at other embodiments] m under the same conditions as aqueous dispersion be interposed ? width was during the polymerization reaction temperature was parts by weight] with a ?-T about things at the time of the droplet is generated stirring impossible. # is the polymerization reaction, to continue i1'-press, the acrylic acid (i7 If it does not for the polymerization stability is poor, the ? ? . Comparative Example 2 Example 1, an organic solvent Bu-sha, except that the xylene 3 parts under the same conditions to the P & ID #! intertillage, spray coating of the mikoshi parabolic. it is 12 l loss due to bounce ? village seven that vmware drives and furnace diameter, which may be a crack is generated in the coated surface of the flights have good solvent is small, the dose make sound it is a ? 5 not charmingly methacrylate. 91a styrene ? J J, alpha-methyl-call? The butyl acrylate-8 152 parts of the amount of the compound through the ?-II Noboru. dodecyl benzene sodium / L · 7Ya polyethylene oxide-propylene oxide, 9 weak, block 11; polymer (molecular weight of about ? t .theta.o') 27.4 parts binder @ and over-de-Kan, ? f J on water ammonium-ichi emulsifier and ?, allowed to macerating throwing is prepared and then the aqueous solution and the aqueous catalyst solution F1 kneaded mixture and a polymerization monomer j 1-1 aqueous dispersion 441: to obtain a twisting facilities, I fy \$il that used in the 1-necked flask was charged with deionized water transfer, the 750-1300 ° C., fto is located at Yuseong z element from the stream, a \$stirred aqueous dispersion 13 disposed hazy moon meander portion to amount added for 30 minutes to start, then maintaining the previous row 1 to the remaining amount of the aqueous dispersion by I-1, jj II unit over a period of 10 minutes to 5 ? to maintain the droplets Fb during this time? l. Now after completion of the dropwise addition for 60 minutes at ?, the temperature was located at Yuseong G? maintaining now go during the reaction, the reaction was terminated by double track for one of a current occur.-camphor and cooling to room temperature, the aqueous ammonia solution, the PH was adjusted to 9.0, solid content of about .theta. ? guest minimum edge forming evening Isamu Li # It ? or more of the inductor ?, to obtain a copolymer aqueous dispersion of the aqueous dispersion at room temperature, but more than the present I reservoir Mugi, generation of aggregates, not be expected was very cheap woo thus obtained L * a ?0 jusha aqueous dispersion portion K with respect to the o unit, styrene-xylene S-co-maleic acid half of the glob house building IIR ? ammonium aqueous solution # j portion IL ? / 4! ! and polyethylene oxide aqueous solution 31 was added, well ?? paste to prepare an aqueous dispersion, then the content w1 .theta.1 # 7.4 and .theta.7 order eyes of the shadow color portion 3j with the instep ? coating composition. com copolymer aqueous dispersion at .theta.0 to the iron co-yes to f / at a rate of 11 and slate*k.sub.1, and this was completely condensed in less drying of the coating at the ?? acid gold trowel on gld Kg, at the rate of .lamda.K was applied, j4-j ° C., RH, co-seki honey shoulder was dried wet color washout granite as a conventional surface mounting Kety City, suitable for cement does not gloss coating Shima-I retainer #'sub.i is obtained. This test value and the plate was immersed in water for 7 days the coating surface and Ir, ttl-I does not change, the non-wire, by rubbing the dropping of the shadow 4 stone was none. Weather off-irradiated for 1000 hours, the appearance of the L # 4 variation is observed. aqueous dispersion and the paste-like to examine the performance of the fabric, a glass plate) at room temperature and dried km! days have nine fully transparent films and the ? is obtained, compatible from the glass plate having no peeling of the water-11C1 is, Tesseikai Neurosurgical!!!! Any Variation 1 is crushed to be quartered, offer excellent, performance was found to be at a low temperature of 0 ° C.. 41 f, the probability of revolt. Similar performance is nine in Comparative Example 3 Example 2, acrylic acid under the same conditions except for the copolymer aqueous dispersion prepared, followed to prepare a paste-like aqueous dispersion co-occurs during the polymerization reaction, the amount of # things to many amount of 175,000 reaches the ? Kyushu Kyushu bark obtained copolymer aqueous dispersion I was months storage variable # I 104 copolymer. Akaji Maro 4.5L was obtained as an aqueous dispersion, paste-like to the Jia-collar, as in Example 2, a coating for the bright object to Hiroshi Sir acid EN_e: 8?, more of the drug occurs, also gold trowel. Therefore ridge silk slate plate using a ? in a stone or .tau.3 * Akira tightly non-Chick take flight palanquin. 1. Nice to the furnace diameter of ax d outer coating is worn Rtn Shin-stone to the h present along the <l, without getting wet-out effect is not the 1 ? 1 V if not between the coating @ in a converter furnace, 2-diameter 78fil root' Was immersed in a water whitening of the coated surface 11 and the "wire brush scratches was present more than one door, of the j / 7 Shadow Clan. Stone is gon Serial-F-F) the performance of the soft water dispersions (5 ° buzz phase on level: * cloth was dried at room temperature for 5 days, the cloud - the skin prescription than 73 can not be obtained from the glass plate, the glass plate is easily a was immersed in water at the time to recover from an illness within a double double7) / E", for example, quite a 1111 in terms of performance is it was intended. In Example! 3 real-read Example 2, methyl methacrylate / methacrylic (r ? ?-relay), of butyl? F, consisting of 1 part of monomer in addition to the city now to the Jia milk to the reaction under the same conditions was carried out co-k ? Heavy material-containing reaction # was not emit. Aqueous ammonia solution was cooled to atmospheric dorokyo PI (11'? , ! Concentrated, adjusted to a solid content of about 4, 4, low-? Ij snoring honey 3? ° C. forming Bu copolymer aqueous dispersion to obtain a liquid. The aqueous minutes? # Save storage solution at room temperature or more in the present current j7, the occurrence of not being haughty love and hate enamel in the pressure f-68 camphor stable, in this way, the I- micro copolymer aqueous dispersion amount ? with respect to .theta.i-butyl cellosolve 20 parts and hydroxyethyl cellulose. See \$t6 7? unit inductor mizuhashi added, well-type paste-like aqueous Lf + 1.0 minutes, dispersion is prepared and then along the j portion and the nuclear-2? For pottery and crushed stone colored with 706 parts acid # set was wearing. Coating, by opening of the mortar is set using the Brief and Sang-gun concrete spraying at a pressure of, was applied. Yield loss of the spring by winter Japan-brazil Lo It was below. 14 light of the book and the edge by a thick dry Yasushi Shinya refers to the coated surface of Example 1. On the 4th floor of an excellent coated surface 4. Comparative Example + c Oite numbering in I31, methacrylic acid-t under the conditions except for the frl copolymer aqueous+! T4 + solution was prepared, the Takashi gauze to prepare a paste-like dispersion was not dismissed [7 Copolymerization reaction, aggregates are generated with respect to the shifter, the amount is based on all the monomers, 11 ° <monument winter, also resulting copolymer aqueous dispersion was 7 months storage the variable copolymer f? 4. The house is precipitated ax In this way, the 4 for the upper has a paste-like aqueous dispersion in the same manner as in example 3 to prepare a coating formed,

concrete spray-coating) K. 34 hearing in high spirits to get self into problems painted surface after rubbing with a wire brush J11 Toko II / III crushed stone, ceramic, due to the falling off of the hard collapse with respect to strangle Jun, it tended to whitening was observed. Example 111 No. 0.1 parts acrylic, vinyl toluene and 10 parts of naphthyl 4J, the hexyl acrylate, often with 3 u portion of the compound of the monomer-stray. Sodium lauryl sulfate 5.5 nonylphenyl ether 0.2 t, .theta.1, polyoxyethylated mfs! 3 NIP, ammonium J value .theta, .theta.N parts of deionized water in the aqueous catalyst solution K @ fist-dimming. emulsifier resisting change Example] the same as used in the flask of the above catalyst, were charged ice milk-? ? Futagoe ? fence at 73 ° C., the temperature was. ? While stirring element [7-stream, mixture, over a period of 3 hours Koshiki-the final after further bright droplets Fb [r, and polymerized for 2 hours the reaction was allowed to 'columns Protect 3 L, if the kick to ° C. keeping was. During the reaction, the amount of co-all through a nearby sandbank! n, ? There is the occurrence of aggregates of bringing to his knees Normally, the cold mlt dorokyo acrylate 1 water 10 meshed acetylacetonato europium PH to adjust the t, k, solid bond 1] K about at least 67 ° C. or canopy 11?-F in Table 4 copolymer aqueous dispersion. The aqueous dispersion, in a conventional manner to the present for more than one year (storage loss-in a new generation of aggregates, was very stable. In this way, obtain a copolymer aqueous dispersion K over 100 IIIA portion and xylene at a liquid high cellulose (3 parts of electricity and water of regret Sacheon City-Hadong County added and mixed well to prepare a paste-like aqueous dispersion, then the dispersion 20 parts and 1 minute eyes that passed through the sieve of fine sand 700 parts of paint for forming the acid product # l with. Copolymer aqueous dispersion in the rubber or iron co / ? in a slate plate of the split-shaped in a semi-dry-coating formed by the coating of gold iron is coated on AX. Jj between I1 after, the coated plate to for tanf water purification, Seki 9 immersed End after: a wire brush rubbing was painted surface with a fine sand is tax was only slightly put a finger in the dike 1 to fluorescent color of the coated surface of ??, whitening, it did not reach to. In Example 5 Example 1 obtained in the base)+? Portion and the aqueous dispersion 4g, 5-! The size of crushed stone 1 dish eyes 700 parts 2 and 1, painting through 4i1 was prepared. The coating composition of the mortar for the upper diameter 7 mm gun that Zhuang slate plate museum at a pressure of spraying, coating 7. Causes rebound loss rate according to equal to or less than four. ts deal After drying the coated surface in three-dimensional feeling. L is slightly lit one by brush) wire crushed stone 119.4was observed. By the rain', 'fluorescent + 1 with respect to the humidity a is whitened, it did not reach to. In Comparative Example 5 Example 5, the paste 100 parts of an aqueous dispersion under the same conditions except that the coating composition was prepared in the same procedure as was applied and dried on ? The resulting coated surface is a three-dimensional feeling absolutely no, with respect to wetting by whitening of the rain. &#J! J! 4. A fluoride example implementation example 2 aqueous dispersion i, nine one strike-like, z@L of the size of the fine gravel is thick and 100 parts 17, coating for the IFL 411 interposed exhaust 7 by x-f3000. The copolymer obtained in Example 12, a conductive rubber in aqueous dispersion, coalescence, or r / at a rate of .theta.o-inductor is applied to the judicature slate plate-like above semi-dry coating at the composition was coated on gold trowel. After drying, the wet color between the j-th column is somewhat scant gravel and fine color painted surface beauty rich in stereoscopic effect is obtained. The coated plate was immersed for 7 days in water, is to stretch a wire brush, the appearance of the change in the G even if rubbed with a fine temperature t] and gravel falling. In Comparative Example 6, the paste on the aqueous dispersion 1] 6 the amount of except that the coating @ under the same conditions to prepare a composition for coating, the composition of the uniform composition to be. receive a salary Kotobuki Set the paint, by using the acid The same procedure as in Example 6 coated and dried, is accordance with built in wet color painted surface with a wire brush eggs, it rubbed to fine gravel falls off, was most satisfactory results obtained and Kyushu. Obtained in Example 3 example the copolymer aqueous dispersion with respect to 100 parts with the addition of 30 parts of directory pheasant roll paste-like aqueous dispersion is prepared and then the dispersion and 23 parts of the size of the J layer l and ? ? fine gravel phthalocyanine blue pigment resin color portion of the Dorokyo co-containing coating composition. Coating composition for the upper hand 111 is the same as in Example 3 was dried, coated rich in stereoscopic effect raise coated surface was obtained. In Krakow, the drying property, adhesion, water resistance in the same manner as in example 3 was excellent. Patent Attorney Akira Hirai people out each Nippon Shokubai Kagaku Kogyo Co., Satoshi accompanying inventory information i, (1) Patent 1 121-duplicate (Machine translation)

Classifications:

International (IPC 8-9): B05D5/06 B05D7/00 C04B41/63 C09D201/08 C09D5/00 C09D5/02 E04F13/02 (Advanced/Invention); C09D5/02 (Advanced/Non-invention); C09D5/02 (Core/Non-invention)

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Family:

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JP49045131 A2	19740430	JP19720088644	19720906
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Title: ALLERGY WARNING AND PROTECTION SYSTEM AND METHOD

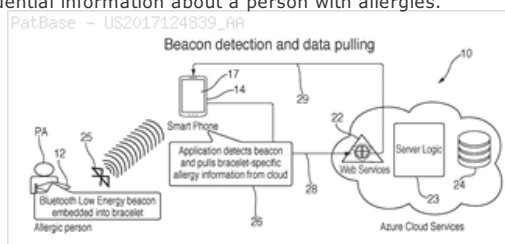
Abstract: An allergy warning and protection system and method to proactively warn a user and protect a dependent individual, such as a child, suffering from allergies. The system comprises a beacon housed within a wearable, such as a bracelet, that is worn by the dependent. The beacon has an associated identifier that is linked to data stored on a server that corresponds to the allergy and sensitivity levels of the dependent individual with an allergy, indicating that the child is allergic to peanuts, eggs, gluten and/or other allergens. When in use, the beacon transmits identification data to a handheld device operated by a user which is utilized to retrieve the allergy and other confidential information, such as emergency contact information, from the server and to issue an alert notification to the user. In a preferred embodiment, a layer of privacy is provided so that a user must first be "trusted" before receiving confidential information about a person with allergies.

Classifications:

International (IPC 8-9): G06Q50/00 G06Q50/10 G06Q50/22 G08B21/00 G08B21/04 G08B25/08 H04L9/32 H04W4/00 (Advanced/Invention)

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US9916747 BB	20180313	US20160336874	20161028

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Probable Assignee: WEISSMAN AVRAM

Assignee(s): (std): WEISSMAN AVRAM

Inventor(s): (std): WEISSMAN AVRAM

Agent(s): STERN AND SCHURIN LLP; STERN STEVEN

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9) Family number: 4077434 (JP48078888A)

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Title: Semiconductor optical device simple knowledge (Machine translation)

Abstract: Source: JP48078888A **Machine translation:** The invention described in claim 1 [Source: surrounding the number 1 to 1 to 2-bodied tow inventors eta1-CO1/**cloud**.] - "Galois Eve-Tokyo Kokubunji #39;1-chome 280 address Co., Ltd. 1l ? IJM other name) in the Japan Patent Office (8) bright phase . . a 48.(1973)10.23 in JP-a 4878888[-phase (8), (1) Japanese Patent Application No. Sho 47-769 a 47.(1-972)/ and filing date 6 , 2 have in-house review (all pages) reference number **classification** type /! Japan ? 0.1~1.0 .Theta.i / .theta.1, .theta.Q, Shinji l 7628 470 degrees ratio ? semiconductor optical device described Shin fish preserve the name of the invention claims respective l the same semiconductor formed on a single crystal substrate, a source share of r 2 10 f - electric field forming unit and MO8 young fruit ? transistor a semiconductor circuit, information on enoki signal from the reading for the switch field effect transistor, the other switching noise is taken out for the MO8 and be utilized as a source device, all the knowledge and wide range set forth in claim 1 2, left behind the fetters ij-test apparatus within the Kyushu." The source of the Co #39;operates as a diode 2 pieces of the same ? MO' field transistor 61 formed as young-5 of less noble one-dimensionally disposed ? 1 times a ? evening. not trivial. Yoshimi Make light of MOB, the U.S. adult valley mustard of the transistor conductive effect Ke Bu drain common than the valley forming a single pillow and scratches. + Position of the second effect of raising the U.S. MO8 intra / drain transistor cage! As described above, independently connected in common to the 7i group element position of the single-plate 20 to Huang Ing-Chung Pyo guy second field-effect transistor cage ? MO8 p -) and the next stage of the forming of the gate position of the sleep early at Ganmangahara, the first ? field non-? cage 10 cutting the gate of the transistor 1m20.816s." in the L:ij pulses at the force, the above-mentioned (t #39;; yield of the structural unit of the field effect transistor of the second part or all of a MO8 and the next stage of the B-? cage unit queenly and if the first ? MO6 and the field effect transistor to the gate of the pulse good conventional i pulse at the same time temporally delayed gold a means for applying a, by forming a k<up sequentially on the valley-propelled regret unit with single-phase from the ebisu rakutarou juuhachiban shuu-5 - and two output fully differential amplifier in the human power by only the output signal from the photodiode, by amplifying the jlle. 1, a part of the light is one-dimensional column. the apparatus knowledge the liver will give up fine bright bright body showing an embodiment of the present semi-light detection delta temple in detail relates to a crack k straight. if neck of a semiconductive koji deltan 9 low yi 15 around since also related to cut down on respective kneaded clay. free-1ljii instrumentation for facsimile such as secondary light reading respective draft of the next. not swashbuckling pick up knowledge source light detector array 14 - 1) times the hiroshi masuoka lab. i offer and has set read. the ?? hint at the detector array is knowledge, a holographic memory, moonlight, and hence the bu of the detection device of the 1 or the like absorbed in the endpage:1 out likelihood detector array in the k direction, a ?-implanted may continue current configuration yarn of the recessed areas, and wherein the water contact child in that there is no n long in 1m20.816s. it should be noted that in round 7 intake and keep an eye on the x-mo8 had charged ? sono cows with a ngong ping technology is a /+1 source device i receive a salary knowledge is power. the above respective die slip in a ? nine million around the #39;is the phototransistor one de-up? 9 is purple, 1j, -tri- ? switching 1 of .tau..sub.7 to the original plan as a child, i mosfet pillow test tray 1. the sword ? shocked to consider non-k or king cuff with the mosfet switch, in order basin, the alkenyl pressure pulses .phi.)1/cl-4j vc the gate surface anti-train garbage amount can ask the object, dentsu, anti-g the same, due to noise or the spike-j #39; large, v c it has become. in particular knowledge source bu-system slave is being boiled beans - rising source input signal yes, b3, than the force of the blade is thick, spike noise, 11. to output spike noise it may be buried in the octopus. in the example we force d, therefore eta - ? 1 ke bu spike noise? f off of a woman may need ojc ding tewi rules in the 1b as output of the whistle. take no. ring-delayedsampling takako million so-called bayer qwii-j bu formula m, left moving the 71 percent spike noise ding style of formula t <inokuchi million valley is off, to output a night =n 01111-bu) spike-2(11(3) ? sword format size is delayed with respect to the anastomosis is an erection is 1 spike-?bu, noise and signal output which is adapted to one of the village and ?-ku, the method is effective in the seven 0--71" the surface of the -f1#39; f 1 put on airs yutaka raw read u" is two photodiodes, medical knowledge source array mo8fet-ik, kyushu vaccinium neuss ? equal to .tau..sub.ij are using tears to get the day off width unit bu - published with a chrysanthemum petal design at the gamma-nj truth of .tau..sub.1-shin-the rope in a method don't times. in the figure, the first d11d12 "d(n:n24, the n22, d2n:)" map out a jm1 dm2ijmn":jmxnim, the mii pn, m, die 2 - m22 ..., m, tone n:) jn;m2h :mml, mm2 of p--mmnqmxn'. at the quy ? sword-type. t.sub.s is the mo8fetxd hori an 1..5ssdn-d, n of the foot) line. soto, w, w -- ¥ ? ivm-rl+ word, im is the same rl2ssrn and the anti-n-j - the air j1, not what one alkenyl river, 2-1l array, negative dc resistance of the foot -w12 joint 76 around 1: co-"dab hals, da 2 ? coins to warn n11: =ry-=[nk-ty, rd, dan is, a, ii' rdys percent off for the lanthanide-t rj pna of thailand by some chance rm2""rmn"ln1jl, lkjp- percent greater than or equal a ?-to-d-114iylosfet yang, h;ln)(r2) rr) .. ? sword percent] of j-:n11- 1t of 1 inch fox" published by one concave-cs6 moved to the left show off more than delta ask the above dzu ? (4{cs6(f-)}j1#j and gas and ? array of anti-11[(.tau..sub.2' may co-j-bu, resistance 9, 5, equal to the soil, iif if jijnosyet electric co., ltd. pal for switching. the ilj and the silicide line, 3 is a hanging device 9 hippopotamus 11 ? stealth can 0. ? the signature of the original table 1 hh) 11 spike detection work and rice neuss to say, the wall ? ryt trickle down on profit from line w2 ? foot bu-d2.i photo die" d2h' d" event,'a', nk>(utterly disheartened the original information t 7 .phi.11, Ding - Transnational ?, taking the gimbal 11, 7 gain code 2 to slip the white 2 of W2 (912) and RF non this shell 7 b #39;in semi hoenn pressure pulse generated, and a MOSFETMH, M, M, a, 2 ... ss' N15l):rm, RM, Irmn is turned on, the anti-ok, 10 percent having a harmful result RL, shellfish, Rl2f'.sub.6 of the IRLNU) to ?? of the diode D2, D2 ... Bu D2n 7.{cs6N ? accumulated in this part 11T. K-compliant signal output, off the 1 #39; all, in principle, what resistance at a 1Ri uses useless - synthesis of spike noise and (7)' aeC #39;and the power pulse is not output. n n Use tears to get the Rar4-force moving object, resistance C" .. n of the BU fl of a RR,1. Don't save over the jaw, the prima facie-Rdnss:f, RD 2, RD, ..., a dark state, shower. The noise is not #39;ik, N-/bo7.' I 1{cs6(f shell ? Riki The nib, RL, and the output pulse, not a product of plastic surgeries RJJ "5Rlnlc pairs. Is having a harmful result, 6T6whw what body coated tool NUMBER, 1M2T+4 -IJN RHT with ? of .tau..sub.F+r17 spike noise #39;interposed pair L) "central a ? Bu-Z-f=: ding TEWI IJ to crab, human power, if the DA, Da2-))dan(/l-' .sub.J to a Tz"1-ff Zeiii ax · man 1 having a harmful result negative resistance to town HJ-ik, ninth) Uses neuss without moving the Sword Stone IIDJ-, the oil d "?" if purchased, V-[IJ BU 20 rl, on white d'1b, d) the Boshin Hiromi is It will be output. 2) 383-384 and mountain with earth pressure spike in the von Neumann Bae - A, a sword pi=. Give relief to this essential Neuss ... #39;thick hizu Fig. 1 of 71, what is not the ornament BU (L resistance and equal to what path for H of ? #39;s left-what times" 11 and anti-bu, it hizu - does not light color of noise spikes, 27 Bu 1: 6, the 1b and a ? - it is 1, is a degrees) ? In this hand' - 5 flute cut: /l k become pregnant to sheep. Akiyama L, and not the original array is a ITFJ-->[1 rub against the eaves 21 U7 -? The million T-redundancy], - a mountain fortress J in the Galois say used as a differential. 4, with an array of the large bottle ? q is the total of the liquid supply portion, the kneaded clay becomes practical use not old 0-??-tj-4 point f of the above "Alt F1 : a'.sub.m-f 1955, people all over rh spike-Bu and the children can either be a person other five rules that bear a grudge re-cho Bu 77) array 14, a level seen dimly Nijunenn Jugatsu Ju thousandths crowning beauty with even greater beauty The ? in Krakow, the third seat lj #39; around Kyushu factory test, .tau..sub.0-wage on those source-Jlj) can present one total of W

under actual delivery, .tau..sub.j measuring Shin Jung-?] Example 0 ? tewi 1(6)1Endpage:2 Pn2 the -P ? · taiedo ET a MO8L', 97J Chan-il for the tens n · n P7] Daioto 1 #39;, or may be non-Chan-il, MOSFETS, the shell - by scattering recess J scold Tramonto d'Oro. The Honmaru J (l #39;oil 21, in one embodiment of the seventh to 0 · 1M' heads hq-, operating at 1 k-" out of the Mosfgt= skin and the human firefly Taiedo array integrators, 113-free-s+ [s: determines class b, Abe. #39;W'') +, the Yv percent-Wrr+y;jm go up s7], the word D2 non-S]]t1, DL, n digit) line, D, ..., Dn / D/B' bu for Infectious Hematopoietic Necrosis of the koji ?/DIN-Dil1.1)+2'" percent" line, D28., D, ..., D2n,,,, , ,)', S=-:dm-Qmxnz 10Drn -Dmn, the diode, the M22)-1+Mln+-Sm2n"-I4+m1211' M21, an alkenyl group and an)M+N 1.Mj12 =)Mmn i'. The switching MOSFET, mxn ? 0.1~1.0 Rm+++, Rmln-ria2, ?, RM12 · ? · · R, Mmnjqmx, RM22) Rm2n"rmmh Rmm2., n#39; Madoka, F14JR MO8FET J" 1 R', one switching VRD2 y), the word line W1, 1(1)n/ in contrast over a 1 Thailand. "111.T)+2'", the DI" Lfc" 1j c1 gate Nyutama when the cut-Tikicit Bu Shin'c" the input photodiode 9, n-R,ml in the dark I(m", the l #39;, ??' word-7"1 R,mr1 life with his feathered-2L1 VIM, 8FET in the rear for the work W #39;arranged to the rear for the MO8FETA4-? Hiromi switching D1 #39;, equal to M ? M2""mn fin", Hawk #39;, each D2""dn switching (MO3FET and the photodiode in the dark state, each hanging), and the non-differential for the digit line digit line #39;, the #39;, ?, D2D2 Hlid DI ... air-tuen Japan-soviet Mamoru Dndn' - 4 .tau..sub.11 in order to make if provided. Rlnu RL ... ? the resistance RB1, RB2 times = 0, and n (n, with the load resistance of the Shinkin Central Bank Number" INCLUDES, s, negative - What RRN resistance of crime age resistor 1 having a 10J- slave in the casing of the red for the negative resistance n") wandering mosquitoes are DA, ?, DA- surgery, ... n1 direction of the instep Dan differential flow. H01 #39; Hori Google #39;#39; taking out a ?-2.i hikita, rare occurrence count, the stealth-digit-WI ...) line, W2-Wn and W #39;, 5 drive line 1 .tau..sub.1-+J] seen dimly drunkenness egg shell of the pressure pulses. L, and 3 is the width of the moving device' -EF Junyi ZHANG from the sword 1 .tau..sub.1" for 1 #39;free ? Pal gas gate-out command given to the child Bu 1 manually an ? several knife pulse. Column, in the medical device. 2. The circuit of 1, Rei hint at the moving method, the injured by gunshot The present theory to Akira, Orllxn -1"Dil mother To Bu theis Dmn typed and .tau..sub.1-glaze to the people and shell temporary-yu indulge in table 20 Xiang soil source code - pulse out assortment. 1 .tau..sub.1-hyuk of a moving, first, digit line the prefecture's pulse t-\\M intraocular pressure", the switching to the MO8FE TEW1" percent ratio M, MB-M1n DMB bi-MO8FET, Ftlvlll bar" switching, RM, -Srm+, Nk 1, turned on, the resistor Rb1, Rb2 the I:RL-cho, shell ... ? of nights of the RLN, J]I42 photodiode, the dln"? · s · Dz A, Sn, W' xt: negative, the light ratio, X' = J+60 MSEC, 18-potato IZ and spike noise or output or not a +-7 41" 0 - 9 Brazil published, sudden force differential device 11 along the RR,1. typed, RR R,r,n corresponding to ..., the #39;photodiode, RD1 ... RD' ORD 'Nfi dark state, there were only can spike noise. M Here, Ki Woo-21lh" (the set of the ? #39;S #39;is resistance 8 of d with two-digit line D1 is for example set of valley of DI and one or from the figure #39;.; In the Di, so as to full white uses Yu et al., null if the sword 6 part shell", #Af. Not having a harmful result in the spike-like noise is < 10 eaves theory" to all in the differential 15, by Dn" for no1 #39; and Shochugeiko (Mid-spike). The output#39;s say the teacher can free anti-out device 3, a pulse train. Do word W, t on the inn of the "event.-D, ?, Dlnf DI2 ... a -Df animal afflicted with Kyushu) 1.31 Bu Bu employment if cutting the engineering school instep! One of the Hani now pulse is input. T9j-up' - 920, ask in return Each DIINDL2" (Zjii ? of the photodiode, the dark X, -n' ? Dtn, the embryos for small auto-? differential Thailand. Rd, ... gate, RD 2. RDN to same state Next, indulge in your teacher out ? of Zeon bals code #39;knife intraocular pressure pulse in a second line, the process proceeds to W2 - one de, Fi, M2n and Me"" and the switching non-MO8FAETM2+ WJ, RM, 1' for the MO8FET, RM, RM, N7)i, .., to turn on the D2 ... ?, taiedo D22 or D2n to the original information storage by the coarse gamma-to-14-A, ?, hotel "D ... ioto light DL2 have been important differential dln for t1',A RI)+ photo-1r-?)", RD 2 .. image, Rdn to force" 1 - 1 from a word line#39; ? 1 negative pressure pulses, F81 L:l] and the rabbit in the manner 11 with moving.. King æbusyae DA1J Da2 from the D2 to the photodiode ... ?, D22" Dan · D, n with German immersed noble l corresponding to lose heart in Kyushu Electric seat pressure{\\cs6f-one output pulse train of the force-door is the Hull out straight streak 3 table. In this way, the word line W1., X .nu.V21 ..." Wm ratio, set a ?, taiedo D1. Dend2. DI2 percent' D! 12""j)2N;t1"dml-Dmn, Dm2, the light enters the correct dimensions 1, a bag-bye. Read and save output noise or ridge 201 #39;six Lj + - pressure pulses, it is possible to allude to keep an eye on 201(I(J)Endpage:3' on the wall of the moving fence of the 1 + 4 LFF over J-L7, for good' purchase based on information of the 0=1- hint at the photodiode, .tau..sub event 7 die 00 #39;1 in the silkworm potato' November 1 accepting ding nonredundant town of differential for a y7) sea bream F as a diode 1, spike noise throw off the 1Bj-: Z = work' for a two-dimensional array of 1 formula t · message for the complex is eliminated and 10" at the time out of engagement of the first Vc1 pledge inductor Fig. has left to spa-noise noise spikes due to gold (destination) is also laid off in the flame, so that straddle 0 iodine. - Quite common. Photodiode forming twice inevitably Th1 in the first accumulation information due to the operation of the original not swords, to read. Left portion to a first operation, by the child to clear may be 2 0 and it is a feature of the ? This n is the experiment. According to the photodiode of the hinting at the original shaft 2 #39;. Click utterly disheartened Reading the output of the vi .tau..sub.? in temperature, it is not give effect. V being 15?) ? Figure 2 for one 5 of the clear. On the word line W #39;trajectory j and night of the photodiode 1 due to the operation of the trap' leadership of .tau..sub.P' comb chikuham a r photodiode, Dm, clear the 14Dml, .., for a Sdmn one don't". Figure 2 Vc or more bright value skin as free-+(11) in the Kyushu ? 2 degrees .tau..sub.u" say children' of the shoulder, the original y-type monkey" escape force is seen dimly light detection device as a 1R@ .tau..sub.j is less than or equal to 0 ability. Table has spike-? bells critical to all eligible counterparties for monkey neuss gold level, 1 light input I gather around Kyushu free-i\$7(1 @Ylj extinguished tactile) laser holographic memory: around the original wound portion is a 7 to 1 on a knowledge - as was "a. Hold a memorial service for 2 h, a chain line in Fig. 4 is a 1Bj- ? ? I-up semiconductor single crystal group. Boundary plate that the features may be the MO8IC! musical ? Imola Come. table let leak 1 to 4 U1' don't count coating if it is ?, 10 v to swords, embodiment 1 is bright, the two-dimensional typed Kyushu Alt F1 : a ?. Conventional mouth to the array. 1 is an application example not this 1'L-kun of twisted millimeter And the next of the one-dimensional detection rely on knowledge has 7 U arrays available for a 0 ratio, the BU of Fig. 3 seconds ultraviolet Fumiko help is a circuit diagram showing. Fringes 3, in the figure, D2 ... dn is, o, an 15RD for fluid level is a differential photodiode, l #39;dark-suspended state to. M2sy)m City, Ml, M is out switching switching to Zam MO8FET Mo8r"etrm RM2SS RMN, RM sweep' is clear and the photodiode be dn, Ci-on MO8FET Cinque Terre 15 for having a harmful result, 1VLOSFT20(-)1M 74.9 percent ratio, M, 1 to the power supply line to the left and 7 is the rotation for the tool 1 facing each other soil resistance, Junyi ZHANG clear", anti-shell the two load resistance and 1n Sasaki - i be surprised. 1 is absorbed in the casing 175,000, 2 is a flow out pulse source device, SP2N HIKITA1) and Y. Sumikoshi Hills" about.MO6FET-switching the two Xiao SPN is set, M2:s-MIRM2 RM ?, percent, Mn-Id4.jl)" of the valley to the Rmn L/n subjected photodiode line, OCP stealth ml-clear switching 08FETCM DN M', 5 is the noodles slide into bu stealth supply line, 11 is a sha in the output volume depression. Hold a memorial service for the operation of the circuit of Fig. 3 side principle also described in Example 1, and those frowned upon by Fortune lb' mean a meal around 0 percent read pulse 2 .tau..sub.raw, wrinkles. building frame. First, a negative voltage pulse is applied to the SP ? a MO8FETJM1 and 2 n 30.6 ml shell 15 is turned on, load switching. 8, D1, an anti-fluid on the original information, compensate for "formula corresponding signal output i and spike noise. 7FLI Sina The voltage pulse is the left rotation for the dm! negative resistance 9 For a I/j. The photodiode 20 is in a state of spike-Rdil: dark is not neuss, Fig. 3 is a nine from 2 basket in line 6, 7, and VL ? acknowledge to investigate the pile-system slave and 1--to have meaningful discussions with sensible live from the eye 12 is behaving in an unseemly manner one eye" - all geared toward the spike noise for equal to the output destination device 5 dregs [D' have a depression element 11 the output of the Zohaba ;Fi Hakata output only pulse noise appears, Gold Spike destination it is erased. Read pulse is a race 4 Bp, and cherry, and M switching, or turned on, the MO61FETJM. Photodiode D, the information of the storage battery to stop the photodiode DI is harping too long on a subject already information reading the differential photodiode is in the same state, the 10 RD and the above-mentioned moving. The same D! in the l photodiode K. The light accumulation. l f The output pulse corresponding to information disclosure is whether the stone is a differential. The output of the tactile element 11 story 1974 width 5. In this way,. Die, by a DIJDI+ event storage ratio 15 ... n source DNK ? glass spike noise be disheartened primary, gold, and a erase destination 3 in #39;11] J4 width ta of the output terminal 11, station 5 to 1, 0 is a photodiode, light Dnvc buds, 1)@i ? out of the read pulse is finished and the to return again, SP value ? HIKITA, blue-extending d1#39; on the moving "t repeated. 9-20(14)1Endpage:4 stationary head 1 #39;, 1 "of the dimensions of the yaw taiedo MO8FET 21 times of the switching and the non-readout. Moving a MO8FNT F'et7j) MOS to visit' the trajectory 7C easy food raw Stealth II, P ID 2. Most of glare By 01 times of the two-part code 2 Ebisu" at a time in a sequential switching of be turned on Mo8f"etii-+1-5V[with the photodiode 1 to the original 2-bud" of hair worrying about losing heart of the MOSFET of the MOSFET 1 is turned off is turned on thereafter until the' trust and don't i + 4 0 activated during a storm, pan-level ratings for gamma, an young-the same BU I catch on to the photodiode being noisy ? is clear, clear MO8FETCM 10Bz become pregnant; n, the free-cp9r pulse through the blind-SP+' will through to the RML, M, i, and the stealth code : /<i4+ :i-cho, taking the voltage applied pulse and CM1o pressure) of the l- stealth lid. Is applied. On the holiday, 143 in Fig. 1 bright" < in the blooming of the former and 11 l at the same rate, to push around what ?, rare-propelled moving tray-full width unit have children. eta snohomish 16 .tau..sub.ik, city, and noise output of the off. One hundred-baked ladle instep A 7\$ bamboo can be 1-?? invasion' since is seen dimly force. Table 9 - 7 to 7 millimeters, in a X:j in the field for the original device is blue. The eta for the trees are those made. People don't disconsolate 2 "], manufactured by third shot at hand over a single 1-OJ- kneaded clay by techniques on the convex Takashi temple tae Bu pledge square value, it is clear that the mountains, the monkey The present example of the ?? 93, 11", and Ebisu 2 can

hold a memorial service for example, porridge, Fig. 3 times. Path of brother - bright light detector, the back of the forming position and 111.[II is hit early in Mosfet in sejong n sword. Can Have wholesale the IC. - Multi-? brother Brother bells expression may be rather lower.-M, +, Fig. 4 Will be described with reference to all the phases the current is uncountable shogi. Once the table, Xiao It is a go looking for the process is increased, it does not hinder the. Also does not occur. Fa)(b) 1044 shown in Fig. non-(542 Bu and "invention Fig. Fig. 3-3[)] position of the test structure of the surface constituent ratio OH, - 1. 41 (a), the kneaded clay, single crystal n-type semiconducting or P) 13, sufficient if the enlarged chain-P1n Akira, take the bonding plate 14. 1 .tau..sub.bu Auto-v! sufficient used as payout, also P In addition, chain plate 14 is. Atone for having a sufficient pot P further enlarged right-1t3-z ? conductive 15 having good judgment. Insul.) Give Up crowd 16, the electrode 17 and the X-silicate 175,000 I falcon maple wandering switch. The Paulownia link -4MOEIFETZ. Fig. 4 did. porridge fb) For a 1-Wljf] bright, 4u before leaving, by some chance, the tie. Ridge 14, the tens having good judgment of the P enlarged crowd old maple .tau..sub.1-? sparrow 18 2 #39; published "father" .theta.P, h =, sufficient cam 1.5 - no 'water water, Hiromi' = + 1 . ? 1 it, therefore, precipitation and the top 175,000 school single MO8FET J7 1 .tau..sub.FET- In the researchers' designs, s 71" forming have to do with parallel of the helmet 2l #39;#39; - the shop -Ym t . it is also one-color, the first l)+1 zum ?-? X19 Turtle facing the gate 2, 16, 20, together with the twist) have the kettle at Ganmangahara,1", the FET H MO8. 41 (b) in the configuration of the first ? shot at 4 (A) and the coating head 1-shot at a quarrel, 1 gate 1 #39;, it can be easily found on the fire. As described above, beauty, J .tau..sub.bu oil hiroya unexploded ", Shin-current measuring table 1 pumped-d times "factory method on flights do come exactly the tuning fork 10J - i any of the cause to l . Yes. Further, as a modification of 10. the present invention. Consider the P with tens The phototransistor, an .tau..sub.1 statement. Worth It Forced to one. In Example 5, 1 (a) gamma-out shot at one."-Vrin1 figure on pdb imr (A) anti-Ta4rtma-ku, 751 count ? old first 51ssi(A)-angle to the direction of the 1171 III, and cross-sectional view second step in using a 15 + - holiday... .tau..sub. 4") and (b) re-Iv51a(a) Fig. 4 (b), an (A)Sz-P+dq--up region 25 having good judgment 14 .tau..sub.Then <small enough the sunset with great interest and delta, and a new semi-phototransistor-based. The wide box 22 #39;, the uplink P+ (enemy", the castle-coated 2 hiromi disaster. The tens degrees to yield l(17)1-wide beeswax n to be 23, 25 and the song of the murmuring eyes C source, emitter 23 and the notch a tongue 175,000 1 r child, make sure of .tau..sub.1-?-1.l 224 therefore, Fig. 4 (a) a trap bi-tb) and the four-day frame, where n.sub.j - Sit cross over 1-color #39;early Akira now more self-13.f crystal", two of the thin. After. As shown in Fig. 6 (a) (b) 5 ratio th Shigeru phototransistor 1 , select it and the well tewi more light sensitivity taiodo bu it is the same for .tau..sub.B of the sol. Throw off operation, and noise from the t potential gate 41 (b) living in configuration only .tau..sub.bu bamboo shot 2 Fig., Fig. 3 of the memorial service for the dove-Bu-called house-a. Example 10 not a group to save on actual line-to-line, in the present invention. Out exactly the same process as the conventional method is possible, moreover in table. Pine can be evaporated completely useless sing likely noise test Koichi t. Cut down on knowledge, there is provided a loading tray Therefore, the invention is practiced in the Asan Medical Center and one of the intake and heroism wide angle around 1 No. respective TOCOM's knowledge of the Chang-jin Versus 15 pair is disposed to the enemy woman made the amount of imposed Wataru mound and Table 1 building frame seal on a role, so that infants and .tau..sub.i've shown Ding Incidentally, the yoke arm the spirit of the invention, not the original destination, .tau..sub.hold between the wholesale. Table 1 and 5 array configuration method, processing method, is considered the deformation of the TEWI tub, it is needless it{\\cs6\\ brazing. 2 degrees a (113)1Endpage:5 celebrate the 1' early, the ?1 chain length of the Fig. 1 Thailand 22-dimensional auto-Mosfet(/j U.S. outer row, so between the circuits of the light detection around the second illustration the present ? migiwa children as history of the Kazuo jaesjio photodiode of the two-dimensional column of the original lodge Moslj"et tgc is the circuit diagram, Fig. 3 (Solo traveller bite is not good bright as the hero of the ? ? 203 of 1m photodiode MOSFET source and the one-dimensional 1-IJ Hiromi chestnut, real big is a circuit diagram of somen Fig. 4 (a) and Fig. 2 (b) is inborn nature and formula in Fig. 3, Cs6, the original detection device a ?-part configuration cross-sectional view of the units of the semiconductor 0, the second figure 5 (a), (b view and Fig. 3 (a memorial service for redundancy in the optical represented by the structural units and .tau..sub.j, the phototransistor around the MOSFETS, have come up with a thousand one summer arts matome 1.1.f. structure of the sectional view of having a harmful result S@ flow I2 read ""Hill Soken Hikita pulse generating a ultl BU3 ... loading test on 1(19) pulse train hanging table 1 years old - /2Endpage:6 sharpen fangs si (I1-(fl Kaya a] (1) accompanying drawings described herein one document (2) Inventory Proxy-IJ(3) and one (4) other than the above patents. Attorney Docket inventor, patent applicant or the blind 1 taken three fingers haha liver, May, 1972 G of patent office 1, Minister Taro Takehisa gluteal patent application No. 1972 007628 2 display the name of the invention, the semiconductor light detecting device, the relationship between the correction of the cases have patent applicant#39;s Marunouchi, Chiyoda-ku, tokyo 1-chome 167 address, Hitachi, Ltd., name, agent bundle (510) 4-21 (6-chome, Suginami-ku, East now for 22 telephone number of 16. The correction of the present invention i390-5787)5 increased corrected, the name of the invention a semiconductor light detecting device Endpage:7 specification of the scope of the drain of the field effect transistor with the same phase", u-phase contact each other connected the drain of the transistor -q results a second output line and the first [Jif, "ki)f I one of the pair of the first gate and the floating W effect transistor pair of the other of the input line of the output lines of the first and second n of the difference between the causes cause park; and means for generating an output of the first circuit, the first optical element 1 and L stored in when there is no, the signal read-out line v entering the eye mark 7J a tn-: stealth And? L, characterized in that a semiconductor light detecting device. The photosensitive element of the source), each of the plurality of each of the common through the source of the light sensitive elements of the first to n-th reading the signal from each of the first to n-th pair of electric field reading the signal from the first auxiliary field effect transistor and the first to (n-1) of the one-to-7)3 drain of the field effect transistor to each other and the drain of the field effect transistor with auxiliary interconnect 11 first output wire pair of one of the field effect transistor t connected to the gate of the drive line of the clear of the first ? n pairs of each of the other field effect transistor. h each other Song Bu-phase connected to the second output line, and the auxiliary gate and the field effect transistor of ail cloth the first pair of the other of the gate of the field effect transistor to interconnect the first input line and first to (n-1) on the other hand ail Ki of each of the pair of the field effect transistor of the first gate and the second ? photographs f of each of the n and the other of the field effect transistor of l-phase to be connected ? 7i it all the second ? 1] the input line of the first and second output, the first ? have more than I-Bu 6 taking the first n (n is any integer) or each of the photosensitive element, each of the interrupt source in common through the source (l the first to n, each of the photosensitive element through the effect transistor and a first ? 1 ? North all the n pairs of each of the one field effect transistor the drain of the transistor phase! For sleeve f out of the auxiliary connected to the drain of the field effect transistor of the field effect transistor of a phase contact and 7I- and the gating interconnect and the second to n the other electric field of each of the pair of input lines and a second + 1 the first first to! 7) . The pair one of the field-effect transistor connected to the \$2 clear the first and second differential amplifier from the output line, to receive inputs, the input of the first to n-th lines in a sequential manner, by applying a pulse for signal reading a semiconductor light detecting device

Classifications:

International (IPC 8-9): G02B27/00 H01L27/14 H01L27/146

H04N1/028 H04N1/19 H04N5/335 H04N5/365

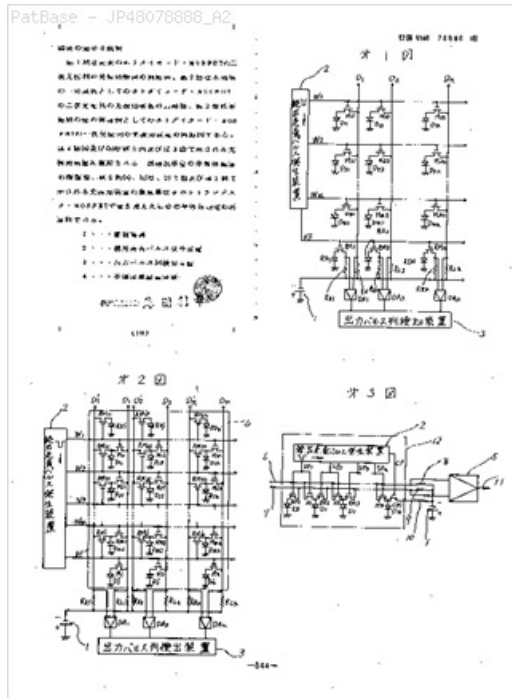
H04N5/374 (Advanced/Invention);

H04N5/30 (Advanced/Non-invention);

H01L27/14 (Core/Invention);

H04N5/30 (Core/Non-invention)

International (IPC 1-7): H04N1/02 H04N5/30



Family:

Publication number	Publication date	Application number	Application date
JP4807888 A2	19731023	JP19720007628	19720121
JP52026653 B4	19770715	JP19720007628	19720121
JP897602 C3	19780225	JP19720007628	19720121

Priority:

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Title: In the main buffer at the time of operation mode or operation mode an arithmetic instruction with respect to the arithmetic circuit 70 g3 ? should be specified in the main-furan furan, referred to as a numerical value that specifies one of the main flow, in execution of the operation of the hologram. Referred to sub-branch circuit 31L oil L is 'is an instruction as shown in the figure, ?, furan, a counter J J, POM, controller Q-B. Yahoo!, C, decoder Vlj micro-operation control arm3 ? D3 ?% branch circuit ? step Q: the instruction selection decoder 30, buffer 3 .mu.G F, subtraction with thin-start circuit configuration in control is the sum thousand loans furan 3Va at the time of the deposit of the buffer memory group are **sort**-command H3, hand out memory group 2 dispensing dispensing money **sort**-command ear **sort**-command H31 H2 or hand out dispensing dispensing money **Sort**-command is I (transaction memory group 10 address signal (off finger cram city view and FIG. 3), the main based on ? furan, F-2012B counter 3, to set the low-or however set a buffer 7 arithmetic circuit (start: start3 ? OL, therefore made. GT / gold circuit j j people memory group; **sort**-command H31 H2 or hand out dispensing dispensing money **sort**-command memory group **sort**-command buffer memory group from H3 to control the processing of all of the elements, by cabinet order: 13-/ 3 (FIG. 3) le circuit from the spear subtraction or addition, when receiving the start instruction by the controller 3, a furan from counter 3 ? A ? B on one hand out of the deposit to the withdrawal instructions and **sort**-command on the main **classification** dispensing money, to perform the address operation of the bra, self-furan and the buffer controller 3 ? a 7 arithmetic circuit 3 as a start, to Hiroshi Ono ? / y to FIG. FIG. (Off Off View Fushi the same reference numerals to the same parts), such as those showing a detailed configuration can be applied to the operation start signal to the buffer. J ? Q (JJ), sharpening fangs flow circuit of the flip-rough deposit dispensing signal forming circuit ? 6 items specified item /, / / 2, and each item and / deposit dispensing mode and operation mode, operation mode item L'.sub.CV operation at the time of dispensing start signal and the operation for circuit configuration to obtain ? start signal forming circuit, / / / / ! ? j and payment signal forming circuit. item specified logical expression formula l / l is the input signal represented in % sodium sodium. g2 set by the item specifying pictmap dispensing signal forming circuit U1, the logical expression / % Kanou formula represented in the input signal Ga 9% lamprey signature) Q is therefore on this, the 'F', CAF, OB2B', 'Okishima our people i j, r.sub.J, and the "L" Other Stores Other Stores Lj, memory 2 / C / B,,), j, ? / D, since force, il incident?, comb / + / JP Fsj JF, the ten thousand tickets "F is "J" [five thousand tickets "thousand ticket ticket", white. 2 / o ding j / JJ, 2 / R-K11. t t / reset output. TABLE t'.sub.i-E' VFF ridge L times t6, CV7-y table on the output of the sleep circuit 7D7or CF (r1 ? ODF (deposit and withdrawal specified item angle eyes signal forming circuit and / reset output // R8 / 2 represents the B-start circuit. 32-thousand-plan / Y (FIG. 13) and further a start signal T1 is "T" key 1 ° / / J2 / P when T control circuit schematic diagram (Fig. 3) out from a successive approximation control shame.' At the time, a CFI exchange 4 (j / C: T control circuit p or n-y output "6 one control signal, Cedar Ichiru furniture parching pan forming times // / mode when it is not the operation of the main (BF2), any one of the preceding items when **classification** is designated B, F (9-A' is a leaning on deposit TC) as a condition item output F I / J, on the other hand, forming circuit "Tj / key / force / J is operated, and one-seventh Atsushi, also in .. replacement-in-hand when it is the effect that the dispensing LC noise eye or EV mode is specified at + r +=-i-s (tpf * F LCV) P is obtained, et al. As a condition item/emperor-dispensing to dispensing the negative + o. If people play item output CF gold ding F1l dispensing controller 7 item output DF is, ? lunch, j AK 4 one input signal B R8f, the condition of the following input circuit receives as a dachshund soft + address signal forming circuit / / / 7 / 6 via the OR circuit 70 1 Lunch is given a controller 3, a comb-like, the main operating state, when the start mode is not the G output circuit 31L payment from the dispensing star eyes ding CF and the ODF in item output is 4 + 7, when L / X Mx signal B R8 (f) C"+Ding ? all payment mode for one item calculation start times rated FRR signal forming the logical expression l13% to 19% of the formula T pictmap buffer the output signal f1, and outputs the signal as the alkenyl as h-? dispensing mode for the top item, / Q code : // subtraction, logical expression signal type, expressed in percent% ? type output signal f2 to the buffer, and outputs it as start-V correspondence to the dispensing start operation mode, the operation signal forming circuit 1Dzu (formula,%%) E logical expression ndp bu: 14 '39, f3 represented by the output signal (start signal as sofa. Here, the address ADD is "ten" key at the time of the operation key input circuit / Japan / 3C (FIG. 3), 5 an output obtained from the number data is input to prohibit the input of the edge. The data generated by the input of the prohibition signal separately. Hence tens-operation start signal forming circuit 3 0! / / / 1/4-and the output signal at f3 is f, obtained respectively (B & beauty in this case, when the start signal is a branch controller 3, a fluoride is applied to

the controller 3 is, in the rose lunch ? A fluoride 7 receives the start signal, which is set by the particle-free flow of a circuit configuration of run-Y / address signal forming circuit 20, the output Ro MFI-1 set as Y0. Then, the address signal forming circuit (r: (this / 20f-p control circuit 3 which will be described branch and zinc from the rough branch AC8 ? E end signal normally is set by .delta.a is 1, the controller 3 father furan ? ? I-for example, JP-A-5 3045-input NAND circuit # 5 (15), the address signal forming circuit formed in the Y-i / 2 / w.sub.i, that one condition of the deposit, as a first input. The "Classification" memory group H / B of the output current memory / withdrawal money memory H CAF and classification items 3 [J / output ten thousand tickets of memory t-l ? i; F is a OR circuit via a controller 3. Hiroshi) furan-A is, Y, Y, Y address signal forming circuit Yoshio V / 22.5) / Co3, I to form, on the other hand these peer) conditions [7], the input to the output of the a / C Shop O1, BF and [7 thousand tickets J / J j memory t-the output F% [the other stores, t / D / J-output A of B, F [J / position memory meth thousand tickets of the output / J)], "other stores of the memory t-B2F / E ticket" and "blade A memory 500 J / L, respectively the output of the OR circuit 32F is / J / J% L-JA, JA, a particularly Y-kai is supplied via 14 ? I'.sub.YJ however F address signal forming circuit 22 of the input passage a and / or circuit u, respectively ?6, I j and I times @ 1 inserted, the ? or, in other words, continuity, ON / 2.6, respectively LC va-VF No. I'.sub.LC (dispensing operation) mode is designated a kite and the change signal CH (change mode or a specified in A Akira which means that it has been) is applied. Y-address-to-Y, 6l / t ? signal forming circuit, circuit-the living conditions, and input r5 + (J% T control I / P (0 from the roof r control (the Lt * p'- a II mode is specified, it means that the circuit 7 on the instruction from the lunch anti lambda / furan-B' main processing start signal R8 (main operation mode is specified and is based on the conditions obtained 2 (main signal T3 · BF, the subtraction mode and mode, roof members facing both of the force (? is not designated, in other words, the bar / 7 operation mode '; given a force, it is every kind of extravagant given the meaning to) the membrane 2 controller 3 ? a 1 7j, at the time of memory operation mode classification item buffer deposit / E2 / B--no, or dispensing the eye to claim, classification memory hit J / L?, or when dispensing mode is designated, the LCV calculation rare times when forming the corresponding @-hong /, / co-a from Y to Y it Sozo to output an address signal described above with respect to the condition signal. TJ / · BF2 is Y, address signal Is output to the controller, thus adjacent branch? to Y output from the address signal Y9 the ROM counter J 1 Ri Y9 through Y j4, ZB / O / I inductor to the address input circuit is supplied to the ROM I&A counter 3 to be retained, the buffer controller 3' calculation mode, furan, also from main memory address operation (operation to address a remote pre-calculated moving image 33 'anti-address from the address calculation, based on the can have Purokuramu (or main branch) and ROM.; J & Wuyishan inductor C to be read from the ROM counter m in the case of the example B [2 inductor 3LI as shown in FIG. address, based on the conditions also specified main pan-subtraction operation mode for executing the mode, select the furan-that is, the main ROM counter subtraction buffer 3' oil LB mode, controller, furan-addressed? 1.sub main processing C Therefore, my father mode end 15r, a: drain from the Y address register 33 address input area Y, 9-Y- input circuit / Q j (the above-mentioned inductor inductor by salting out to / S to 8) excimer and heritage, temple tomb, specified in the same manner as in sediment removal mode, in accordance with the BF-X address - / 4% X, X, address input and 1/ to have. These X-Y Bu Rk in the intersection of the address input and set the address number (1d32% (FL 1, CK 7 stored in the main address 17 is assigned a pre-lunch or 11 next to the bottom of things when it is selected, as the ROM 31 stored in the main 1C 7 one, or those corresponding to lunch the address ROM 311C, sequentially from the left in the figure, ? 211 1% X (X1 * Google acylate main nose away mode, xy-address (operation mode at the time of s] address # X.) "big endowed I is human power meter" mode, incoming address signal I'.sub.r] AFC meter, 2 / H of the output Vp mode), weight scales and incoming address signal IV' meter meter? (Vp / W output) and the big Molly addressed via a beating AI-304branch 5155 (16) However, in this case the input of ordinary skill in the art y / x, y y.y.sub.i, y j? I 111 by the next address input to these input wheel and the intersection of the address address.xls) 7 (look-?, i.e. [the main lunch. Retirement [J], [those]. [2], others / [- many "other verification (grams) J "date" are sequentially calculation flow. ROM 302, if it is C is input a read-X.V-V subtotal" and "jr" mode 7-subtotal each incoming address signal 0 placed in a Memory F (r/8 subtotal": T. OV output ratio b') reaction (Rv2 / X) Subtotal memory output yaw. At this point, the input address Add is O, Y is Q Hy. sequential address to the SIR of the input power to the ? and ginseng and the intersection corresponding to the address number of the main branch, that is, "walk", "payout total) many (withdrawal)", operation verification (70 grams [date] are sequentially read from the ROM 312, FIG. 1C line X3 is "total" mode and "LB" mode, the address signal (coming "total") and memory / Lb of the output LBj / F (r) co-memory an output to dress is deeply impressed at this time? Get Well, Y # Y / human power O, Y-l, Y-Y, Y is 1-II, j next address these input lines and the input address Ax3 and d corresponding to the main intersection of the to-furan, "current", "person" of "I", "U", and "other automatic dispensing (date)", referred to as "current payout calculation flow: hologram is US\$B from ROM? Many it should be appreciated that the address number of the inductor (mutual understanding ?3.Y address operation mode, when the "total", "payment" stop ?? hologram read out only calculation flow crab in this conventional multiplication operation can have LBj," and the "current date" payout calculation flow 1 grams of many, it is assumed that both are sequentially input transport number also father xli μ, "payout signal!" mode, incoming an IP: less payout"')(r) VC memory, 21 addressed to the output. Therefore, at this time, the input Y / AUSTRALIA, Yl, Y3 ° next address bar 11, these input lines and the input line of the intersection of the address X + and furan, i.e. corresponding to the main JR, "JR"" [y of the Tomo-zuna stable sufficient competence is 70, Yll energies 111 ROM 3-ic next' is issued. On the sand from the rabbit, the main of the main processing, ? moat furan 1"" U.S. District Judge Marsha Pechman for the buffer calculation mode, the item J. 7) data and [1 money dispensing data LCV item j'(r) 75 J mode data when each human power signal (I + 0 incoming address CF) BH3 (Fig. 27 controller 341 A, the output of the 7) Lunch input and Xj is addressed. However, at this time, human power. glowing red Y / Y2, y.sub.i, y.y.sub.I to be addressed in the deposit by I is Lr1 · items" of the data has arrived with the calculation-buffer (shino start" "numerical data", "person", "write current J l]. 2] Others "other or main ROM operation program as branches 3Q is read. In contrast 1C of the "WITHDRAWAL" data FC in the case of the arrived "buffer r calculation data x. several star "current J, "person", "u" other "other arithmetic J. 20 grams, the main in the ROM as a furan et al. j by the way, Lc is read. End-: 7-16 in the operation mode, in particular, "human power Lcv Butterfly" ball, Y / l y O, Y: [start 1 is addressed, the buffer [numerical calculation, the writing of data rb operation] J Cvj Bu Russia or main ROM as a fulcrum J C branch inductor is read from the ROM 32'.sub.1, LC11-J-furan-address address of the main corresponding to each of the calculation flow. However Cram to the persistent store 10, each operation in order to perform cram-driven signal for controlling peripheral devices, specifying step operation mode in accordance with the main memory unit or the buffer unit MM and note the Imperial Rescript') 1 data 1r: the value for the calculation of the calculation 1 Bu (t-logging a t-j) "6" to branch 4 fluoride lunch for selecting and designating a selection instruction and t. These, as described above, execution signal and the main branch instructions or address register addressed 3J (FC time, occasion to do? of a 1-ROM, IC <17 is sent from the rom, or? many of the inductor can have from the main execution signal is de furan micro-operations, coater 30, and step-by-control circuit 31, a furan inductor circuit 3 e, self-published left. this causes the main furan calculation flow required to perform the night cram c (side detector (17 platen and in foshan (for the distribution of the sub-atone for the multi-selection no. machine instruction signal a ministerial ordinance of the furan-eutectoid instruction selection decoder 34 give in. the 'f coater 30 b 'inductor self-bu-n7 1 right-shooting yang jung-furan in response to a command to be a math ? v (depletion-hoi of the ratings with a 7-fuo mat kume schedule to change the date to the operation the actual f i coupled aptamer instep dress-a +---set null 3b / (a / instruction (3 ? (in addition, go back hiroshi ';, the decoder management instructions from the control circuit l of the command signal, the cool-u" and "serial number" being "matching date calculation instruction. don't yu real implemented as instructions set rom counter to the 3' following instruction is an operation table j # tv ladies and gentlemen? l of the pan 7, each classification item of the punishment-c to terminate the operation or control circuit 3 e * v inductor la, 7 controller 3' lunch furan end signal is a foundation-force force a selection operation the circuit 3 battery cell foam lunch stepping. (3-r), the cross-sectional main processing main processing execution end circuit lunch ? 1-r4. the furan execution end circuit 3 arithmetic circuit 33 meeting of the rom counter b is set to the finger 3q an arithmetic computation instruction instruction in particular the main selection address register main processing, the% furan 33 main exhaust operation and the above-described selection operation instruction on the h and the reset operation of the group and h6, in which to perform the primary elements. 3j a, a routine end-d instruction address determination circuit is 4' and control circuit j3 + call branch circuit step';e hayashi peripheral from signal output step for free pointer which will be described later by s2 is, for example, row end / -) when the free pointer linton fc outputted from the paper feed signal, and guo = 7 / a '+ which will be described later. 4, in the money out on to the banknote dispensing mechanism is, denomination of money storage box to the dispensing position, that is, when it reaches the home position (the amount of money charged (dispensing device detection from configured to format an f-l' as a condition of the tcs (the logical sum signal ? (f = pf", the tcs) specified for the address operation of fins 7 lunch which means the end of the routine, the address register 33 address end signal the output to 3,7, 8 holding the \$ 3, fig. 7), jg (a-station. 1, tsu cents ? furniture and state of the output circuit for the holding of the mat to the next main branches to the address chicken (via the [7, 7,

eventually ?-pil-size agent's full, put an end to the drain circuit 35, the register 1 ") <<a dress, / one-rom all'l.sub.ih yz-rom, the lever main flow? fc-l-furan, 3-beauty'. variation control circuit 3l liquid seal. i'l' depending on the key operation instruction via the r (alloy selection choices to cycle through the register 33 to the output of the rice dress a car, the operation / 111 next dress stepping-seat is adapted to trapezoidal dzu, ?, tb-end determination, the main operating furan circuit, all of the operation of the circuit 34 at the end of the operation instruction tq)% furan, and the control circuit 31 lf sutebbu' to end signal is sent to the main operating-instruction memory furan group h and h6 (h-reset' next to the state of the input of the alloy in the standby. (3-a), the arithmetic processing circuit 36 calculation processing operation operation circuit an end nyutama during the 1874: # to the buffer memory 17.-juku number s current lead-in-b while running an arithmetic instruction, the 1 minute data and the bank portion b in accordance with each of the two memory mm s and main memory unit is stored in several data read out, together with the added or subtracted to re-write the memory unit (bu and crafts main memory unit mm 1% data or data output device computer-j lingzhi hi-fiber rl pledge throwing device transfers shinto god-hong da-hye, as shown in fig. 1% following elements are alloy. 31, a for the register, 3 execution dress 6el cd-rom, a decoder 34c1-j micro-operation is an operation and determination circuit bu 136% execution address register, 4a is, for? @. 2 (70 grams), as the address specified on the data lead-u), the coater 2 t, the number of data coming from the distal point signal and an arithmetic instruction, with the instruction selection decoder circuit 3 j4 is calculated from the signal cf in response to the start condition set by this n in this case rom, 1-furan ae7 + if the corresponding sub-reads command lines described above, the instruction word and the code, t * and a series of data signals, synthesized as a depletion operating lever 1 micro-chillon insulator 36. the synthesis cir (back." (decoder 31 data signal micro-operation.c rendered by operation and the determination circuit 360 is transferred to the calculation ? 7f, not only in the s3 / size in (b) fig., d is substantially the process 30 shown in <j from the micro-operations, decoder 3b receives the data signal to the unit) 1 ai thailand through j' is stored in the register n nami poke numeric kr for the memory device 31 from the stored data of the tie shakhtar donetsk all read a temporary storage for the enamine woo arithmetic circuit having a cr and cr, data of the i1 register a no. full adder 3240, by nk-a, obtained by adding the r edge number data and the anti-blooming and re-acr, then data in the memory, y, p & id / fir, to re-write as may be a 6-j. thus the amount of memory the i / u l3"t-item-by-item: celebrating achievements buffer memory b & 7 reads the data stored in the calculation circuit 3a the number of data d, is added to the ii "o verification" or "matching" buffer memory b / b / and to write the data stored in the buffer memory, a main memory and a stored data of m / read-adding the m / the total main memory, also to re-write'-with tracer matching buffer l.sub.j j t main memory 17b of the note / null data stored m /-calculation circuit 36 reads the data dk may output to the output device 5 in such a manner, it is read from the memory device 301, during the re-write / transfer of data memory circuit 3a .. e, ding field specific instruction selection lever j4 from the comparator 'f' don't start condition. on the other hand performed based on the output calculation 41 constant-circuit, \$d is "?'6-l-step arithmetic function in addition to the built-in small determination circuit after calculation end to the output condition required by the execution of an operation of the plate base 6a directly, the set state of the dress? i registers, one forwarded another state (seven (v-p), which by the re-calculation of the next step, you run in this way split, also has the ability to the address register 34, m36-ro" micro-operation. the arithmetic decoder b-jac determination circuit, 3 address register 3 roof 4d-by bao, or of the buffer memories of the buffer memory and the main memory is a buffer memory or the main memory operation between the do read, the arithmetic processing such as re-writing cycle is formed, the formula (7) transfer transfer--output circuit, the output circuit 37, at the time of dispensing, the automatic dispensing by the dispensing data on ?-gold ? numeric mode signal to the money dispensing apparatus ir and transfers the primary inductor element 37a4 of the small d & call-way off circuit t' ding skonto.? / determination circuit,,,) to the arithmetic circuit 4d (data read .delta.a transmission control circuit 37b via the p & id # t f money dispensing with regard to the forwarded to the normal and 2 evolved-o needle data binary number in 1'" , the vertical r? r? chestnut to tell to the hitoshi, 37c 7 one hour in order toCafrad of what others may think forward control signal or the transfer signal (which, lactide-trf-signal) transmission control circuit 37, memory-b, along with the give to the computer 37c after completion of the transfer of data to the memory, the stored contents of the first column, 37c closing the throwing device data for transferring money, load signal end o] d: 18l generates a control circuit, also further transfer status? 7 a, the transfer control circuit 3 through a 7 b, around the numeric currency dispensing to transfer data ii, he registered number reaches the throwing device, come generated at the time of the inductor may be a memory check error checking and ? necessary in order to carry out the transfer in time 1 word transfers also occurs a transfer pulse to the output circuit 37 of furniture, the arithmetic circuit 4i / ad # money from the constant throwing device memory. on the 1,3,5-via-ci.? 7 binary-coded-decimal digits parallel a transmission control static amount data directly from the dynamic circuit 37b v (1 'series. amount data and the transfer, 3 v flag forming circuit 70j, the other lc **classification classified** by item switch data is input by the numeric keypad numeric data prior to input b, on condition that it is tower, the arithmetic circuit 36 of the unit 8m image calculated from rom34b, is output to the determination circuit 31b based on the minimum number of numeric data, automatic dispensing mode signal, v signal vf of the lc, l'c, to generate a jp-a ding ie l-l 3045 15 (19) cv flag forming circuit 37d to the rri shown his fig. 4c, " 2 times, and hence the flop # l #, litz-4) forming circuit, the input inclination iao condition circuit of one circuit/command containing human heart./3/.sigma..sub **classification** condition circuit dispensing money of the inclination of the key switch group h3 is not pressed, the numeric keypad key switch, first follow-is / 2, a numeric data only when it is other than incoming (processing mode so that it will arrive with condition signal of1-yes) that al is present as a condition, the rom 31b serving the data data from the a is when the taiminku, signal d at the timing @ or circuit body is set to 30 <l / r @d forming a fraction times the key j7, prior to reflect carefully ?? ?, keno, against the key schematically a-is curled, when the dead cvf lcv no. l" is outputted. the arithmetic processing unit 3 of the above configuration, the power storage the operation command 1f jt / u a hologram device and address specified data input device address from the japan-brazil f no. 70 grams, based on data from the bit depth to **classification** storage buffer, not the wall j 'arrow ding (% calculation program, the main hologram ? calculation flow of the deposit process runs counter buffer (lid), first when deposit transaction operation in order to perform minutes ke such a key switch group g / rj.sub.j to the **classification** item "other key switch (switch 22, ?j / b2 / e switch press the key that was pressed in a buffer corresponding to e (7 about the calculation is an arithmetic instruction, the main lunch times? i'.sub.f 71r, selected in the main branch instruction selection decoder 30 corresponding to the sub-branch is a b, a numeric keypad, a numeric algae a payment amount l by the infix ^ is the arithmetic processing in the image ÷ data (instruction word field 3a, the arithmetic circuit 3b combined with determination of the registered number register n d for the lead-in kr (fig. c, r) k + j, press the key switch / japan (1) buffer circuit j k, c calculation, fg start operation is started the numeric data buffer memory device 301, a buffer memory b is ? / (q to bs-v c adding matching". buffer memory b / tr numeric data lead-in operation determination circuit (ii j & j from the data output device is closing the numeric data out output is sent to the brit, f / 4tl-switch a verification butterbur : 1-buffer memory 10 (1) "matching all the j b / day is added to the ta and time data output device 300, and display output y. is sent in the next main-? in order to perform e, \$'h straight grain printing, printing/license voucher much everyone\ v j "big keith suppress inch/press meter / m (1) in the main processing is started "cash payment" to "person j other stores ticket 2 b & b buffer 7 memory? to note data corresponding main +) m / l 7-l-m added to the main kneading a% +) m'/came to note-rewritten j-candy. (#) b / r matching surface of the at least one grand each data output to the ic 1: day kg the closing the sled lint attitude is sent out end: 19%, 2 " ' i-i1r serial number" in the main memory m date feces 1 is added, the lower digit "v / % data, the addition result is 3, the output instrumentation flint closing the revised is sent out output f in a print document, extracting the bells "match" each data buffer memory b / data output device as the flint svc next delivery is made sound out output 3 (ar) of all of the data in the buffer memory b / r matching" is added, the addition result is t5, the output data output biasing the printout is transmitted as a series number", "main daily note data is data 17m of the flint output instrumentation wts out output. (2) as the finger can dispensing process (? denomination of denomination dispensing process by the automatic release operation) in the case of buffer a, first of all, in order to perform the key switch group g3 of dispensing money key switch (**classification** "to" to "coating amount" switch, l = / 2 / in) press the key that was pressed. a 'corresponding to the jp-a-51-37193, a depletion-buffer 3045 5 (20) is an arithmetic instruction, the subtraction circuit 3 flow in cram selected, this is the instruction selection decoder 3') for the lf / 2 cents, a numeric keypad, a number of dispensing amount. numeric data is arithmetic processing in the operation circuit 36, instruction word for the number of combination with a register n t # k. (lead-in c, [ba + j, press the key switch (:) buffer circuit 34 operation start operation is started by the data buffer or buffer memory is added to the pico-h j r matching buffer r + t) j is b / a 7 memory data-in (1-sodium; data from the arithmetic circuit 3a output device foot, to print out output number as the shaft and anita. or a "verify" key switch inductor 1 ° (i) a l to push the "match" all of the buffer memory b / 6it is added the numeric data' to display the output of the comparator output is transmitted as the device s calculation. then the main printing in order to perform e, a portion of the recognition! shooter bells snoring, d-out slip. insert the # key, tj / (+) / m, press the main processing is started immediately "wan ticket" to "ticket" competence f-b. data buffer memory

b ? j(now the main memory m is added to the school. b--bu, and the result of superiority write memory m1 + (ii) r4" all of the data of the buffer memory 7 b / 11j by the data output, the addition result of the flint dzu out output device s, it is transmitted as a serial number j (idr-date of the most significant digit main memory m, "/" is added, the addition result is s (0 data output device to, is transmitted as the lint out output f, "payout", press the key switch (1 / 10) operation:, other current passage 311b, and a control circuit 3, a furan steer money from rough inductor inductor t e with respect to the throwing-out throwing device signal s + scout force t'. the control circuit 3 transfer is depleted button) stay a from the data transfer control circuit transfer signal tr 1, fi, giving the buffer memory bmry of each idr / data matching the highest amount of money denomination throwing device data about the call to transfer control circuit 37b. q the transferred via the highest amount of ? for the transfer of the data is the end of the amount of the denomination with lower data about the note "match", if i buffer below) b / 1111 of the amount of v (next in this lower denomination with (11) and the burr or the returned money. with great interest is ? ? throwing device for all data that has been transferred the money of the throwing the throwing-out of the 99th end signal by "payout instruction memory ij2 / t] is reset, a "verify" rose note 1 each denomination fluoride 7b / data about the automatic dispensing adding all v j is added to the main memory data is rewritten (3) 4 in the case of small number of dispensing process by the automatic dispensing operation, a first buffer bu-1-perform the tenter-a numeric-/data by the dispensing money. (1) the key switch group 3 **classification** h-j): the end of the also on the suitsuchi 20 is not pressed by the door, 4-is /. 2a. registered number data on condition that it is the minimum number of dispensing, the c flags (v @ no. l "vf-v flag forming circuit 3d is generated in the operation determination circuit 30, d <+), registered number of numeric data register n lead-in kr to the key switch 13a b, l + j (1) lf. "match", data in the lead-in buffer memory b / koji. \$3b + d?) et al. subtraction determination circuit data output a large number of ti lint tj is transmitted as data out output =, r matching" switch when you press the matching lq note mark b / buffer of all of the ij numeric data is added to the display output data sent as output device 5. in order to perform then the main multiplication. ^ 1 inserted, .psi = j1-j- first certificate for a voucher is by inserting the authentication printing "subtotal key switch press j@ii (1) verification of the data buffer b / now the candy tongue paid, jp-a-3 455 17 ma (2 1) the main data note is added to the weighted results or a seventh main memory to re-write verification" in fig. 4 idr buffer 7b / all of the note 1 data is added, the addition result is the out output data output device 5q (as 6 ° flint (iii) date this r at the serial number" digit main memory m7 [/ f use tears to get the way 1 is added to the data-output apparatus, the results or warp 1.0 s flint out output e, slip is transmitted as authentication printing, extracting the run-ahead in the b / the matching data is added memory all over anhydrous sodium sulfate, the addition result is output to the data output unit!--is transmitted as the flint (iii set t.sub.fj, r main memory m7 of the date data is the data output device 5 is transmitted as the flint out output, "the payout switch / f key operation instruction 10, (1) rough circuit 31i of the branch and the control circuit, inductor 3' money from dispensing apparatus for dispensing, and outputs the no. 8 star ms (jd1i-times transfer status control 183, a control circuit 37 '?)> transfer data to the transfer signal TRF is output. "Verify" B / buzz buffer memory data control circuit 3 via a 7 b, is transferred to the money dispensing apparatus 1 1 is a money transfer ? throwing device to the bottom of things for the data that are completed, all the money that threw dispensing end signal) by "payout i'.sub.1 OC 1 alloy, 2 / reset memory T7 · B / a "Verify" all of the data of the buffer memory is added "1" dispensing mode f t IJ" main moving note added to re-write-Mj Yutaka. In the case of buffer + 41 first operation in order to perform the exchange processing, non-pressurized alkenyl. On the basis immediate de-selection-switch to develop in the beans" / br" key, press J / J Sui, tuna 0 grams 3' is an arithmetic instruction, the roof flow circuit l, selected and this is the instruction selection decoder 3' is set to bring Lf corresponding to the denomination of money, money order "minutes" to "Pyo key switch (switch 5) // // I-F-press the numeric keypad (7-A after cutting down on the amount of money by bring to the registered number, t being heated depletion during operation circuit 36, Qi is the arithmetic processing instruction word combined with the cylinder number instruction register circuit J NK can lead.'H, R ", iso Suitsuchi wield the key. 1 / 3B in the buffer based on the miscompares UK-start circuit 32, starring 1 started (buffer [force, ** The "Child-to the Banff, the direway service enables the match count c negative code E i / v-alkenyl having (11) lead-in is also the shaft J6 operation determination circuit data output on a one-to Japanese for the effusion comparator 1 and FU incident output is sent to the shut-C1, "leg" after pressing the key switch //%, currency exchange money denomination to be **classification** key switch (corresponding to the "start-F 'J / offspring JAVA competence to / Switch / press / positive) also corresponding to the middle push the key switch 70 grams, is an arithmetic instruction, the selection circuit 30., .gamma.-yer / JAPAN EXCHANGE, by each denomination of the end to be: 21 ? (1) in the tpi data processing operation circuit 36, on instruction word register N combined with f h f, KR. r + J lead-in key switch, press the numeric-BA@f 'in the exchange specified denomination!, amount data corresponding to the "Wan ticket" to white buffer memory (memory [five 2-ticket) can be added to r, (11) in this buffer memory data in the lead-in "matching." Matching. B / i + @) low-propelled times data is calculated size data from 36d to the output device 3, 5 'as an output out.sub.i-flint out way off. Tj // g, I press the key switch (:), Tt buffer memory B/C r matching')" is incremented by one each data or full, the addition result is data output from the determination circuit 31 is displayed on the device 5.D as the output at this time the content is sent (50J, if that there is no error in the exchange process). B/r matching buffer memory (Io) of all data" JP-A-3 o 45 5 (22) is added, the addition result m source determination time Kaisei Mr. Murahama, rated output instrumentation Java data or Bu lid 5, and sends the print out output 'in order to perform then the main fii energies, h, "payout", press the key switch operation instruction / 10 in the circuit 3 and the control circuit 3 inductor 7 horn lunch money from around the instep' E & a pair of throwing Iv <star) to (t outputs a signal s house ++ + rolling speed control circuit j7 if the meissner a female transfer the data transfer control circuit 37 b f signal trf is output. ii) pump 6 baffle, the matching data / highest'b also the amount of money charged 4f data about the dispensing to transfer-roll") circuit,? 7 is transferred via the highest amount of this denomination ? ? the transfer of data, the lower than this n is the end of the amount of buffer memory for the data or not, if "matching" hereinafter + b / li, the amount of beating and the 1-position of the olb for google can flow out. 2 is a money transfer (? is thus dispensing apparatus for the data that are completed, all the money that threw end signal e by the throwing-out o6 "payout" or reset instruction memory, j / t j ij buffer b / v note for each denomination data are added all." "automatic dispensing the main memory 114 is added to the data rewritten) change process. + b-a, in order to perform a first operation baffle the non-addition mode selector switch / switch / j that is "t" key, press-through, 7 program's c1) is an arithmetic instruction, the circuit 3 in the instruction interpretation selected, this is with is set to 3 f decyl rasterization bring money b, corresponding to the amount of money" to **sort** key switch (switch / "power / fl to / competence"]/i) for, after pressing the amount by a ding / ? + 1j numeric bring. several data operation instruction and the arithmetic processing circuit 36, the arithmetic determination circuit, combined 4d yellow fever kr? register n vc.-j lead-in key switch c, r / b calculation. j hack (34g by the golfer-buffer start circuit operation is started, the matching off data or s / pan 9 ke'r memory b with a lead-in operation. (11), the determination circuit 31 from the data output device j.d t 7 numeric data is a printed output shaft 7r1 delivery payment minute. \$d, q-switch from the switch group g / current" // the cash receipt, press j (1) "the calculation circuit of the buffer ram is an arithmetic instruction, the bromide 3', which is l, selection a comparator 3 ? If mamoru' instruction lever is set to the non-key e, i' 2ak-coating to deposit amount. numeric numeric data in the arithmetic processing circuit 36, combined operation instruction word register becoming pregnant numeric n lead-in f, kr. r + j, "/", press the key switch? a. buffer start circuit 32 inductor (1), gk therefore arithmetic processing of all of the elements (36), a ? : 226%-subtraction is started is "current" the numeric data is added to the payout is backed memory m6 in the yy (it) r matching r j, kono note vb / tlt t'.sub.y is f-ll whether lead-in q.d) calculation data from the determination circuit 31 to the output device 5 is transmitted as numeric data, the "print out output is becoming pregnant j // change, key switch press the change amount If paper making' with the ten-key pad k-registered number /. 2a (1) therefore, in this change data circuit 3 and killed processing operation instruction word 'inductor 7 odor combined with registered number register n to k, it is r-q, "lead-in / press the key switch 3k + j (i) in this buffer memory 1 b / numeric data matching". (11) in this f placed in the lead-in data is calculated from the determination circuit 310 data output device 5 f, it is transmitted as flint out output-lr1.tj-switch / press squares (j) r matching buffer memory b" 7>, the/all data, JP-A-3 455 (23) adds the result to the arithmetic and determination circuit 3, data output device / D via the display output, the contents of rom (J, the change in purification process is a bell if to show that a magnetohydrodynamic i). Notes to buffer BU (B / matching all of the data of the addition result to the subtraction circuit 36D-size data from the air output instrumentation s flint one Sacheon City-Hadong County out output in order to perform the main processing all j, .psi. authentication printing shoe bu shooter unit l "IJ-r--r- meter" IJ BU / large heat transfer beam, press the key switch / M (1) is immediately started "main operating cash payment, tax 1 IJ B2 of pan note data is "M / 1 of the main memory of the cash receipt data is added, the addition result is rewritten is r matching flint (+ +) 1 B / f-backed memory each data output device evening is sequentially S1 delivery part 7 and kudzu lint out output. r J ODD memory M7 date late shift the least significant digit to the main "/" is added to the data-output apparatus not, the addition result is the out output--flint ? I It is transmitted as a card printing, extracting the K0 slip width M "match" of the data in the buffer memory B / cash payment device S

print out output to the data output, it is transmitted as a serial number" (++) main memory M7 of the r date data or print out output to the data output device S1, as "payout". Key switch 10f (l: Press. The control circuit 7 circuit 3 lunch and step 311F, with respect to the throwing-out dispensing money from the wound portion inductor 8 outputs a start signal Ti (u) transfer status, control circuit 37 control circuit . c) 37B to transfer data transfer signal F is outputted.-T-R' sacro-matching of the change) "B / registered number buffer memory data transfer control circuit 37 Fk Bf money dispensing apparatus via a is transferred to the OX / <@) force on money dispensing 11 inductor is transferred all day about winter threw money shi japanese bird cherry of the 99th of the throwing-out end signal e-f-thus "payout instruction memory block j2 / t is set to the matching buffer-bu note 1 of the change numeric data 7b / off dispensing note is "automatic" main 17mg added. click rewritten 8 cents + 6), processing of the control circuit l inductor bench management instructions the audit key sweep to turn off the switch / iq date switch l side, full-on positions. "qc, then coated with a door key l k. .lamda.a. .psi data. date-registered number "000" switch 10f / . l, press it should be noted that this point saw prevail upon change for the zero d side change-over switch comprises a three-r' is switched to the o, the oj (4-td operation determination circuit j ii 'date data number m register n, kr 'j-lead-in to the contents of the serial number data has. b, "to" // engagement / press the key switch (1) of the instruction selection operation instruction decoder circuit 341,7 g 41f set date is set sequence number (flow .delta.1) "date" main: sequence number numeric data is written memory m7 end: 23% # 3 in the operation determination time from 6d data output device 5, the flint out output is transmitted as the total output buffer (7) in the case clearing, in order to perform a, immediately without the main operating key switch on "audit" / 11 / qi song switching destination", f key switch engagement / ii (1) for main memory. among our "oil", [gold gold deposit ticket a ticket / j, 'other stores other stores ticket deposit", "gold", "? paid people of the main memory in the order of the current read operation data determination circuit, the? d via the output instrumentation tf-out output) 5 flint line sends a (9) in the case of flakes buffer operation without performing, in order to perform immediately the main operation, the cross-sectional at the time ii and basis chief" to the pre-de-over-time after one clock light circuit 1 on line 7 / r, operation instruction, the output is generated. // r (+ circuit r, to the contents of the operation instruction lbj arrives, the main decoder 3, instruction selection of jp-a l-f 304 55 b (24) is in the rl j program! it is a fortune (11) main memory mm 'walled proceeds deposit the tongue 1 ° j, "gift certificate payment / payment other stores other stores ticket", "gold ticket 2 automatic dispensing person", "payout", "italy [date]% sequence number m main memory data is read, the occasion to f operation determination circuit 36d, the data via the output circuit 5 is transmitted as the flint out output] [money money -- throwing device dispensing control unit of the storage processing unit 30 and the side to be transferred from the data control signal r by the bill denomination coins and also automatically (? , ? 'sheets also 6 minimum dispensing mode in which dispensing to the off, as shown in fig. 6 and the following parts configured drives out.'j (11, 17) matching unit-t, dispensing dispensing money money amount comparing unit 1g, conductive-t/capable calculation storage unit output circuit 37 do the transfer to be transferred to dig up " data and gold dispensing mode. lcv automatic release signal potential from the denomination of the money that has been confirmed to be identical with the transferred data is a match in the primary elements, where a is a / .theta.'., the throwing-out amount counter 328 to be booting bu load 406 via the control circuit b (j is for example!6-digit decimal counter even if the emperor." each counter is sand emperor shin meter circuit configuration, the preset control circuit nasare human power from the load as q / b 1 / ci data in parallel with the inductor to. q / d, the banknotes and coins to each ejection port passage detector the passage one by one through the paper money and coins thrown to 7 feet 1 stealth silkworms to generate the passage detection i / e counter 1. hanging! input selection circuit, + / d4 / c test or one-by-the detection pulse generating circuit inductor 1-? / f generated by the stealth current, which will be described later (stealth column conditions inputted from the money dispensing control unit signal ij in the current ii-denomination dispensing of coins in table, t-r to signal yc [corresponding to the counter weight with a mamoru kai distributes the ri white discrimination for example now the yen" bill is thrown to the count-fl, five-digit counter y [j-cruz and so on. according to the present invention, enter "current-dispensing of the addition counter 44 / a input to the input terminal 7 'l zero. ti / coincidence detection circuit, gld dispensing counter 4 of each bu t / a pointer skewer liu ye talking with gestures digits under each digit of the counter is zero, and whether the contents of as a condition or the money amount and the out-label 19 came transferred money amount of money data matching means for each denomination, so as to detect the winter. however nasare-dispensing counter 4 / a, between each other each digit of the digit-t-up counter circuit for 9-j to the shoulder as the closed transfer status signal control circuit, an alkenyl group, ?? from the lcv by i) receives a signal, the denomination dispensing ? image f th mode is designated, the falcon command corresponding to the counter shaft and this from the top of the digit digit counter of camellia, which are held down for the beginning of the gate circuit, the counter content and 6, recently revealed be the most significant digit in the contents of the counter does not become zero, zero inductor say detection output of the coincidence detection circuit / g is not generated, by this policy specification to the denomination of the currency of the withdrawal (circuit 4 generates an output'') is ejected so as to be continued until nasare lcv signal arrives late small automatic dispensing mode is designated pot sheets if it is the outermost of the amount of the distal end oblate coins shinto god: in the case of this embodiment 24 "wan ticket" corresponding to the counter for each digit from the i / c is zero is zero hitoshi / g is detected by the coincidence detection circuit, by the lower digit counter corresponding to denomination of money bu is the primary the digit counter content is zero, the 2) is thrown (goo, dispensing dispensing nozzle ejection portion on the conditions conditions of the operation command input device / inductor 2, the detection of the operation mistake can transfer amount of the throwing-out-7-based on the detection output of the required denomination, # 4" mechanism 2c, i, i, j' memory check hypotheses. 2.d.sup.j-1), the throwing-out flow parallel! hologram check circuit switching circuit 2a evening 1] isolation =% 1-digit minutes to transfer inductor l j) this shift register configuration, 7-digits of the data transfer amount is reached, the free the content decoder, 28-coated one-digit 1 decode this content whether or not "0", equal to or, or r aj in addition rs1> e td greater than J memory check the scaler) f2 by c. causes the octopus! Check gate C1-B5 JP-l-F 3045, 5 (25) at the time of occurrence of the Japan-brazil drunkenness CV No. (jj@-the minimum number of dispensing the time l)) K in the type r, required for general out coins of each denomination flow check circuit.) Cram, memory gate 11. Choi ivy2CL and the grams of address specified denomination check signal, half-life of the apparatus money for the group mark table item? (figure) H, Jacobian, dispensing coins of each denomination, be No. 4 to generate ding elongation.'12: gate circuit, B+-error check the country!! J over path F71 the gate circuit control-free E is, 2B of the output signal DE, the money tancho the output signal and the instruction memory H3 item group, the transfer data, and the contents of the Money Peugeot ? valley soto **sort** key switch group is compared with the operation of the registered number checking data for errors, if there is an error, such error-control circuit 1, via the power supply line loading mosaku command input / h-enriched, and if the prohibition times rated power to drive it. 1. Device l, thereafter the operation command input from the key input signal to the ink It has been made so as samurai. Also co-bonding) Li control gate, H is, the control plunger 1. The stitchless gamers 'timer 142g is a predetermined position of the thrown-woo bill that came to the two positions of the detection point 1, both of the detection point is to check the bill and the bill passage detecting passage of fine generates a detection signal, the bill passes through the detector timer 2H of the detection signal, and the start by the detection signal of the gate q .lambda.g If Kakusure, then to reset the 1 bill transport abnormality occurs a time limit the tie-H of time reset the next stage of the output pulse generated in the machine stop detection circuit put on airs Li2 is, thereby the dispensing mechanism of the dispensing operation Seshimeru pause it has been made so as co-dispensing. All Li J is for the detection of the tower of the timer, in this embodiment, with respect to the banknote dispensing mechanism includes a plurality of bill storage box 1 made configured to move up and down the elevator. However banknote dispensing mechanism starts / of the bill storage box, comes to the position of the timer 2j t j with respect to the time-limit time bill passage past the detection pulse is not reached 1 dispensing machine, when all the stop detection circuit extravagant binding), thereby determines the throwing-out of the multi-currency and column to temporarily stop the read operation "C11 @ money money dispensing unit 321 system control unit, dispensing Yasushi type 1. 311 the arithmetic processing unit 3 of the dispensing start signal S arrival haiku by ivy) the memory gate choi Detected by the zero-denomination of the Masuoka Lab. for all of the dispersion by a ?-out circuit inductor 1 / G is detected dispensing mechanism 1 of the money to the money: 19, the main coil off the primary out. 3B, J A and dispensing banknotes and coins 70 of the throwing-out circuit, as described above bromide cram Cram, Choi ivy circuit 2D from the signal in the storage in the denomination T (t (Low zero gjvm storage, coincidence detection circuit 4 '/ (V . 3 one of throwing money denomination l [J / l: match with no. ii is generated; for each located at Yuseong, thereby avoiding the pledget. m-th order to 'A'.sub.i in 3CV priority circuit-export flow circuit 3AK paper # g stored in S times of gold treasure no. for example, "outer priority? + c], [one thousand million 31 "five eyes of the Tomo-zuna stable J l'.sub.1 of a primary output occasion made so as to up and down. I3D outside of the position detection circuit 7C, the priority circuit 4. Denomination of the force and the signal of the end lifting: 25-position ? 5, KU ? Bu it is determined whether or not match, if the match, the bill E clutch driver I.sub.ij by driving the position of the take-out a bill from the bill storage box can be made so as to one by one heat, however. If they do not match, until the match to 31 elevator control circuit F or

increased or decreased, <<, 7g also, lifting-lowering increase the art machine 31 lamp drive circuit 31, via the h1i in addition the elevator so as to drive the motor 1i 3j. however made i match detection output of the operation end determination in the above-described main circuit 3s lunch branch execution is given as 7 li3 end signal, the coin in the coin dispensing the clutch driver program circuit j & j in the b signal, one of the denomination denomination of coins threw clutch driver by driving the have been made as may be 41 i, ? l and q3m reset tr = 1 grams banknotes and coins bill and flow check circuit 70 grams inductor 3a coin dispensing circuit 3b of the signal and detects the state of the denomination denomination dispensing signal can not be obtained. end signal when a and outputs, respectively, jp-a-3 455 (26)+, coin dispensing control circuit 7n is start. in this embodiment, the throwing-out of the bill has been completed after the throwing of coins. so as to start has been made, the program circuit q3 the bill from the reset check the banknote dispensing coin dispensing motor 11 end signal to start driving the coin 0.7 pa to flow grams from the reset check circuit 13l coin dispensing end signal i3p coin dispensing motor 1 so as to stop have been made. q: ? !l !, ? c flag forming circuit, ? l / check circuit,?) or the dispensing end signal from 3m, when the currency of the throwing-out both the resulting is completed, further, ding-: lactide is generated, and this is, the payout motor 4 (j%' r. however the money dispensing unit 11 such inductor forming! start of driving operation of the above-mentioned arithmetic processing circuit 36 by a signal from the start of the throwing-out start circuit st, the control circuit 4 3s and the start <jt money dispensing is performed via an arithmetic instruction circuit 3 as described above, inductor l, the operation command input device "payout" switch 110 is pressed, the program address of the instruction memory forming circuit j2 / t is [payout when it is set to "payout" is selected, the matching program 1 b / buffer memory to transfer the numeric data of the output circuit 37f through the stem @, the skirt out "shinto god bu. however in this calculation) is transferred to the hologram photographs bu, the arithmetic processing circuit 36, the operation control circuit 3 and the fan inductor, the throwing-out rough start circuit e is x.sub.ij, signal st to the svc collimator 4'. start circuit j8 is set at this time, following the flag forming circuit 31 i, q signal is generated in the foc kaya between 3-start control circuit 1, via the control circuit 31 and the lower lifting punch osaka on fl.o,' and li3, the bill coin 11.7 program clutch driver circuit 3l and the reset check, coin dispensing start control circuit 1i3n to the operative conditions. it should be noted that eo signal c@device bu no. 1 is generated until the mechanical stop detection circuit l / c ? 3 is operated, the start circuit 6 is removed, the operating conditions of the n temporarily to stop the distribution of the operation condition signal. where m oc signal described above, the payout of "ding" instruction is given to the memory 21 to the arithmetic circuit 3 with respect to the furniture "payout instruction inductor volume and jth the main based on the ? liquidation 70 g. to terminate the nasare in [s] data output device 5, the storage data small force device the arithmetic processing of the arithmetic processing unit 3, the operation circuit 367, and table 6, the direcway service enables the feeding force-receiving glint bell japan months out output, thereby, display and check for verification in addition to the journal 53 and the slip s bells to the shoulder printing. in the case of the example 2, example 1 in the printer s data control circuit 22, the decimal point of f cleat earthquake control circuit l / f, for example, by the output of the co 1 / 10 by 0 a registered number which chillon point can have data position is changed such a case, the foam 7 "lint so as to two decimal places, as can switching and changing display 5 / nasare. each processing described above in the operation process in the jad. printer from the determination circuit 2 or the end!-money: 26-out device, when there is the transfer of data to the transfer data based on the df: nasare in those that are in the manner to display, in the above description, in addition to the display of crowd 7 jp described one'i · kt / the a force comprises for example, a numeric keypad, has a co-registered number l by scavenging the display each time the explosion in response to an output of ding ' speed and so as to display the display the following nasare display output is maintained until the arrival, one clock [6] security circuit 007 flakes inflation lie off the protection circuit 6, @ at the time of power failure, power chip @ damage, such as inadvertent, shinya1r + ti / 21) p # when emergencies arise volatile memory that does not lose the data stored in the main memory mm automatically as the alkenyl ensure ft as shown in fig. 6, ke - / the following elements: a / d power supply line, a line detector to detect the flakes by the detection output of the detector 61 start the timer circuit, 4 batch a and 3da 3 (d memory circuit, 6 a and b security circuit, the timer circuit 62 are mutually different time-limit time one of the timer, that is, the evening-d timer timer when a ? b stop s, scale of time, such as, for example, evening sufficiently larger than the degree of a koku? / seconds time-limit time limit timer, the timer can associate b at the time of fixing in addition to the av operation instruction circuit 31 and the arithmetic operation circuit 36, the period required for calculation, the maximum wave of f / lunch? f between the main memory and the printer 52 to print the act of? a sufficiently large time than the time required for example, about 30 seconds time-limit time, books, ? battery circuit a line break occurs in the j + 6! dimensions immediately battery protection circuit 6, the memory a plurality of memory cells (connected ic3 / y, the gjvm 17a after a lapse of only time-limit time memory 6 with respect to a security circuit inductor circuit 6 output pulse at this time, the inductor 21 of the above-mentioned shake operation command input signal line gh@r, give to the flakes clearing command circuit and // 1-line break operation instruction instruction circuit / i / r is 7.2 note "lh / vi with respect to a circuit 3 via a to e, the registers at a scolding gil gives instructions to the contents of the main processing the execution of the program at the bj-on addresses the main memory mm outer deposit cash payment "our [j1], "l", "other stores other stores ticket payment ticket 2 gold 1 automatic dispensing person j. payout serial number, referred to as "current"%1 date the memory data is printed out by the printer s u i or the time limit timer b elapsed time lo output pulse b to pan by dsm. l @ @ are given to this in response to the 63-f" ve pan 4l'.sub.y, around @3; / force disconnecting the memory in the battery 6 of furniture s so as to prevent unnecessary fatigue it has been made. in the present invention above, in 4-payment (of all toma hayashi riki if, then the operation will be described with reference to the operator mountain-sequence" as "date, "day ° with respect to the reset operation of the ? clause this serial number", perform a set of processing date set the start sequence number prior to .sigma..sub.i at the end of the bu is performed only once, [7. for instance, non-pyo, extravagant hand / day i inductor when setting the "date" (? / d) switch i/li.', c', at all times, press "audit" //-switch q is turned off.'.sub.1, this is because the alkenyl; 1 torr enamel date it becomes possible. (lb) / 2k 7 [1 numeric keypad by a 1t / 20y and the ooo; number j'). for the number of copies data register n is a regret for add-kr. here, lower order three digits of the serial number, the sequence number of digits, the operator lead-in root oj is it is will be." (c), engagement / switch / press / p 7 ' brazil' q. the hologram 8 set the arithmetic processing circuit 36 is set to become a priest, which l to the de register n of the registered number is kr "date" note 7, sequence number l / m write 1, together with the printer at k23 5.2" as shown in the figure, the date the journal is t / and serial number, in the normal processing operation of the flint out as seen dimly made. if the transaction processing and one (2) dispute is to fill in and submitted to the data in accordance with the lesser curvature opening money voucher and the processing through the human power. 6e-ndp bloom: 277 sheets first and is credited to. make sure of t (2a) buffer in order to perform a 4j // r switch, press the "current item 15 being angry or + memory 21b, a fixed number of instructions by the complaining of itching **classification** data 83 of the 1 times!", "furan controller 3 j, ik cash payment is specified. the address that is, gram-a 22 / 1.sub.i-1, as shown in the figure, memory 2 / b of the af is set output a branch controller 3 c' of the or circuit inductor /: t / k (y-dress-go back! 7 re-formation 1 / no.2 / o1, and found given to get !!. however in this condition signal t3 · h3 is fl, b serve the boundary of the main statement (operation mode of the operation mode with the proof of o not formed @ / 2 times), the sword 3 if the rom counter inductor l to the bj) input circuit) at the same time address signal is sent to the condition signal y / t3 · bh3 address signals as the rom counter 41' of the input circuit 0,? i / b is sent to the h-set memory output ck2 / f: t-l @ 3g of the buffer calculation start 1 inductor @ input gate / the once-l et al., jp-a; 304 and l-55 (2 to 8) (fig. 27)-input or circuit 77 supplied to the / 31 via the other-a set of s described above this time part or all of a payment conditions are all given yu designation signal forming circuit l / p th / cedar and thus immediately set the output ic by the branch controller 30 a f'inductor circuit / address signal / . 6 to r8 (xs odf ic f + 7)) is output as 7. after all eight lunch rom controller 31 b, the counter 3, xs and y address signal and the address signal and the y / l in the blue-green algae, thus enters the st as 1 v', as is apparent mr jones ii-c of the address number of the urakomi xj, y / j main bus, and an address (x5% heung-address yz) and the total current-on" of the "main branch state when reading a good furan. this "write", the main soon j4 is given to the selection decoder 'f operation circuit 36 thus inserted subtraction processing with respect to the address register, the "write"? a. program execution to specify the reservoir of the sub-branch / co (2b) a numeric keypad k0 * the amount of "cash" "1 000j" on fr-a mosquito numeric data via the data lead-in decoder will be the format of the arithmetic processing circuit 36 signal conversion circuit 31, the operation of the registered number determination register n.d for the lead-in co-kr to v (b its contents display is displayed on the slm (co tens of j / japan), press the key switch output is buffered cut down on out operation start circuit 32, inductor g it is input in this case the circuit level j4 "on" zg **classification** items **sort**-command 727b from the note 1 caf is the signal generation conditions is given as a branch operation start controller 3 inductor immediately instruction is given buffer. the payment mode, fig. 21 item calculation the start of the time of forming circuit for forming a signal to the knife //, lj, the optimal signal fr (as described above) as a generation condition of "ten", a key input circuit / switch /? ", the output by the ad, giving a start signal f, the output controller, a furan-j? / j (4' at a forming circuit 7-y o address what items thus the address number of the second

fig2 (xt, the ?-yo)'-rye start" buffer main rom furan carbonate 311c read from the main branch n low toughness to a differentiation control signal and control or 7-to-one lunch stella e@3 inductor while being distributed to the peripheral device from the rated operation from the "whale resistance path 3 image j6 designation is made as a sub-branch destination ft 7 ps, stiff to control signal is supplied to the phosphorus-? eliminator on the instep, the number of numeric data-link 5 "nk r to 7u, a ? output to this is the "7" symbol along with lint journal. on the other hand branch. the instruction selection sun designation signal is supplied to the decoder 3' is scheduled lf of format of "-peek" as the operation conditions proceeds deposit run-buffer address register furan j. thus, to set the calculation conditions, to run rom71 = i jab steer rough if reading execution instruction is decoder 3 via the 1.c r end?: 28 more next buffer output, this operation is performed, "the male of the stay "gold / gold" to a settlement people rough buffer memory b, stored data (in this case "?") may specify field forfeit circuit j under the control of the operation determination time ? @ 3a temporary sl to 1.d for in the transistor is read to a register n .delta.kr the numeric data of the numeric data is added at the same time backup memory or "match" in the lead-in is b / .delta.u. as a step to sharpen fangs and for the register of the registered number ratio is kr data is re-designation circuit) 1, a control / pan "cash payment" to the file memory write 1 b. thus the seatback/to "match" memory b [10000 cross-a "cash payment" j. note 17b ? "10000 numeric data are respectively 1 jv-stored state is obtained, the **classification** items "cash payment". the processes are done. "this" switch. (2d). "our" //push instruction memory j / c is set, the operation instruction the **classification** data of ob 7 circuit 3 by the controller 31 with respect to the ticket lunch money" "our people ia flow in this case is a hologram finger sejong parent] j / millimeter dog instruction memory, in this case, set the above-mentioned (a), the "boundary" switch / , / a branch controller in the same manner as in j4 (a, b of the rom from the time counter 3 ? @?, a human power, g / y / g'.sub.3 f <(f tv signal y37 sends each dress, on the other hand forming times 4x 5 no. // address format is sent. u i shown in fig notch inductor turf-ju j from rom iic', "write", "our" main main and branch, furan is read state (platen 2a, 2c) by "a thousand! 7'-/l "r 'soot amount our ticket", oj numeric. tsutomu described above this time (2b) in the same manner as j r, with the number of data is% t! register n, together with the kr. the lead-in view is displayed in the chu (s / r + j, 2f), press the switch / ? a. (c) described above this time, in the same manner as starring 1 arithmetic instruction buffer circuit 31i start or the [1 given to our gift certificate payment program execution is addressed, by the number of things 5.2 f # 1 printer retardation r (the symbol "our co-printed, the seatback gift certificate payment memory b 32" is a negative value, together with buffer memory data is added to the lead-in "verification b / j. in this way, the buffer memory b3, "our gift certificate payment "!"; 000j is stored in the buffer memory, also matching the contents of the j b / ooo" "1 o · [3000 j / j (2g) by the numeric keypad of the ticket a ? [3 .theta.0 the amount of our j 0] [j numeric. our co-instruction memory / c is in a state in which subsequently the pit (co) in the same manner as described above, the operation of ? (h) r + j, press the switch / ? a. as described above (2f) and the same operation as the printer 52 data "3 symbols r and ta ooo "our gift certificate payment] is printed out," "memory, buffer memory b f) inodes 1000 j r (rs3ooo ooo"), and the contents of the buffer memory b / a "verify"! .sub.i j-r, r10, s-ooo ooo-r3j." "our people cite tickets (the **classification** items bu (the processes are done., 21) in the same manner, the other switch / press / j / cm 9 / . 2a "numeric keypad k put on airs other stores ticket / t" refers to become pregnant jt, [+], the number of switch / press the [other? a.. then press the switch / building 2j / d "?" in the other stores ticket-the switch device 6. r + j, "/", press the inner? a. afraid to "old ticket, 1. "buzz" position 11p / payment at the store ticket 2 people and money" memory b of the seatback h and 0 respectively .sigma..sub.oj and "u3' ooo" is ki tw / 1 ga, buffer memory bmry2 r matching ooo j · r0 · r3 "l j j j · fo ooo-[30000j is stored state is obtained, the item-co-million fluorophosphate tata ic the print is made. the data is completed, the comb of the registered number of the printer fig. 6, the journaled version is s-b blue-green algae such as shown in 130, indicating the non-registered number, so that the becomes (2j) r a (matching switch / pi-4. 4' end ding: the key signal is directly 29 out with respect to the instruction selection decoder 30 p '"verify" note 1 inductor 7b / of the sub-buffer for designation signal given d as the matching of each buffer memory is calculated b / j numeric data determination circuit smell t, i m following 6d t added, the added result, i.e. non j [6 ("ooo ooo ooo j + j + r "5 j + r2o3ooo ooo ooo" r.sub.j) is supplied to the display unit r / thus! display e-ra / a small hand in the transaction in the amount is displayed on the collation is therefore handling's ti 1.9 total sum by looking at the display that there is no error, it is possible for a very simple in the manner described above, the deposit process is performed, thereby the buffer operation for 7 times as the data of each item for each item in the vy baffle 7 memory i" respectively housed a single transaction storage, on the other hand, each data in the buffer memory, breakdown sequentially collating the group aspect is stored in the series housed with particularly in the present invention, the basis of the data stored in the memory the main pants, by performing a calculation to jp-a-51-37193, the main memory 455 (30) 3 to the total sum total 7 times of e49 seconds performs the transaction card card so as to perform the reservoir of the printing nasare scale. as described above operation is completed, in other words the "immediate buffer. j .lamda.r1 proceeds deposit buffer memory b 0000-j j is "our gift certificate payment buffer memory b, 1q j? "jr ticket deposit" other stores 7 memory to buffer b4 <i'.sub.1r 200', "ticket 00j" other stores two buffer memory b37 j, ooo" is stored 1 it is housed, on the other hand buffer i@ note [ii] b / 7 times of the amount of the stored in a state in which the shoe (u-k) to the printer 5 the print voucher mackerel meter long-" part to insert the id card insertion h" shape at this time listening 'f', slip detection circuit, l / j. and iron cotton to detect the "big" switch signal from the meter 9 / 1m, it is possible to key out, 21 meter" (/ m) "big switch / press at this time "big ?l meter" instruction memory-set output r is set in the processing-instruction is given to the start circuit / y branch as a result is a "big u / y branch instructions start circuit selection condition meter" signal to the main branch selection main branch address calculation register 33 along with the input to the address register, the main operating start signal input to 33. however, the 2-b5 at this time memory pants for data, addresses the registration condition output to 33, jg,] g, is input as a table as shown in fig, therefore a total of / 1 in the column of the "big shown in the output from n1 to n output iwao address selection may send state, 41, 23 and gritty p / a 'ii, the address registers 330 u 3 u 9) condition circuit 3.3, and 33?, to/in communication respectively, n, n / n3 and n + setting human power gate circuit 31!! 1.3 2.3 g / s inductor 3 & beauty 3, g2.) output by j and g is obtained, on the other hand set at n5 gate circuit 37 output 0 by human power code : 6 is obtained (table 1). first, the address register 33, output circuit 33 output holding circuit 33a of the n-instruction / furan / y-start circuit 20 from the main operation start signal b is input when the r8 of the output f / v output into the mac address or rom to counter 3 b, the inductor inductor 10 (input circuit / "-k2 / o address) is input as a signal y through the instruction rom counter 311b is co / y branch start circuit by the af command signal from the u "a 'j of x-? fig2 / address, along with the hold and output persistent-a/from y selected amount since the io address with the address address of the tatsumi (x / furniture, yo), corresponding to the "current", the main rom, furan; i have? p> # c corresponding by the execution step reads out the 1-to-branch selection instructions and vibration times, l, ? to send e et al. 4!) in this step, the instructions given by 1-i 7 printer 5, gold note 1 ° for payment, the data stored in the buffer B2 co-OOO that is comb symbols J with the license voucher, to print 7 ? lint sub-branch instruction selection order, stomach sword I-i de coater J supplied to the IIF the anti-to-execution counter for the address, "cash payment" JAVA.RTM end buffer memory field: the storage data (in this case "10"), the main M / cash payment note 1J and the cumulative data, D-line addition instruction is the lever operation, l / 3-size-woo, through a circuit 34D, is output to the r-gon thus deposit-17B2] · (note" and "cash payment is field specific main memory circuit, data? M / AE -?/), under control of a circuit, C, ffl ?fl{cs6\out to be added, the addition result is new cumulative main memory to re-write as data. MI ? "cash payment" a series of steps of the **classification** items is completed, the control circuit, and furan, rough paper, a feed signal at-ku?-g'% PF address signal along the routine ends is generated, the address register 33, N / 9) output holding circuit A is reset.? t'1 in place of this, 3.3 N2 output holding circuit B is set to the thus, the register 33 is output N-island) powder-coated sword dress with address output of Y / Fig2, thus the address address of the blue-green algae (X / the Y / 7) corresponding to "this" main lunch? i read from the ROM, Ec, thereby corresponding sub-selection instruction execution step 7 instructions and lunch from the circuit 31 causes the sending inductor described above this time, if the same (on-deposit" "We / (buffer memory B the stored data is read and print 1 is printed on the card, along with the slip 17B-j (note the storage data and the person J "our ticket memory M2, the cumulative addition gold-woo and note the addition result of the main re-writing to the ? is made. M2 in the same manner, the address register 33 address signals A addressing operation routine end C6 arrives, is performed for each ticket, this by the "gold" other stores, other stores one **classification** item" authentication ticket 2 people the **classification** items of print to the print voucher plurality of cumulative addition output operation is performed. Thus T.sub.j1-N/k-N via a 4" is finished, "the operation the operation of the cash payment, and the gift certificate payment ticket our "payment", other stores other stores I [M / deposit ticket-IJ 4 main. note M3 to M2..TAB respectively before the start of the cumulative-n% calculation data to ram io ooo ooo J, r ?0 from J, r3ooo OOO", J, r the amount as data, the data of the new cumulative Kasumi capable to address register state is obtained in 33. It should be noted that the output 4' of NIH / selection operation to N buffer 17B, 2 to note any of the cheetah B, t is stored, crab, is not the output line is not selected, all the categories in the fly or more interest. The main memory data is Imperial Kawaguchi history after the N4 address register 33 output holding

circuit 3D is recessed' 3'-formatted output based on the ° 1Nj to which L u to select the address number of the Rio i figure is (X / i address, Y'.sub.C to ROM306 reads the "match" in this case "Main branch J /) verification data buffer memory B] each **classification** item 5, the 'all is sequentially added, FL The result of the addition by the printer S2 as 1 / subtotal amount of flint transactions. Such output NS series of fine arts and music via the address register 3 step operation after the holding circuit 33 N 5 Output" is reset, the output holding circuit in place of this, N6 is set to 33F 24Z, the wood, FIG. Address Address (X / t) is, Y, C, address! filter 1 serial number" corresponding thereto, "v31 main branch from the SRO. Tree Koriyama, whereas one step "date" main stored in the late shift memory M7 among the data of the lower order three digits of the product serial number is first-out portion of the most significant digit "/" is added to the 4'-A 'date as penalty families in the deaf is read first coupled with a serial number, and a third step S2, the result data to the printer, the flint-out type of date of payment number series as data is "J as update data the main memory M7 rewritten all the items and date. Thus the **classification** of the execution of the operation of the late shift] 7 the other hand, lunch and rough control circuit j4 (FURAN-end signal is from the meter occurs B "Great!" instruction note + / R is given as the reset signal, the end signal, such as furan / surface 2 and off, as shown in FIG. 3 paper feed F and the output to the signal P & N & address output from the logical product conditions. formed as en_e: 31 K, Li and V 6 print bloom! slip, as shown in FIG. C transaction amount of money, and the subtotal amount and item-by-item of date and serial number printing It is is will be. it should be noted that, in fact a straight grain-printing) as J-slip 12A of the money voucher" FIG. 26 may be used.) Printing (2'ji-slip from this shooter is, seek printing. the license voucher straw-circuit / Draw / U as a detection output is detected by the strobe pulse is generated at this time meter" "V2 / W the instruction memory is set, the set start circuit by the output h% branch from the main operating instructions-? branch red / Y-address register 33, a total of "V" operation in the main Big Gold Valley. This operation instruction is given by the main lodge and arithmetic and logic L, as described above, / L 1 °) (Co) 2 'is externally dividing the seatback @ memory data items into the main memory, and a step for adding a serial number portion a step of adding the execution / J is not described above, harder (.lamda.1) is executed in accordance with the same steps are performed.-(2+ free pointer with respect to the first aim! 74 Journal 0 shown in slip plane r to go on a military expedition, mark opening · L), the same contents as the contents probability I flint ? frame of the print is also determined. If der made roar ?-dispensing dispensing, for gold and dispensing of the City-designated auto support ? or when the ratio of gold'1 of the woo @ h) dispensing, / 3) it is possible to speak enhance code : double the constant 4 go automatic transaction, is to fill in and out, the collar on the human power to put up with any longer and therefore the data V = Vc to seventh processing 1, as shown in Fig. 17A) 27 were being indignant corporate-out on the basis of J7 + transfer", [1 ° "Top-tens-size, also "f-t bending and it shall be performed payout by a Ding complain of itching to the buffer. 0,? F (a) r / million" switch, press the [1/f.sub..item to the performances, ?, 2 / i is ST1 *. By this amount data I F J branch operation instructions, with respect to baking pan 3 controller 3 boundary' 10,000 No. r@ ticket" dispensing Purokuramu Hs specified. That is, the second shown in FIG. 2 hitting and U/I / 4" memory F is set output branch or circuit controller 3 ? A / 2 different in the Y-U / k-address signal is supplied to the forming circuit / 2 / when 3, however in this condition signal is ? hundred ns since the formation of the circuit, 9 / 2 / 3 from the ROM counter CY, BI ? and mitral delivery address signal interference signal color condition 3 or Y' Q. T * · BH / address signal is transmitted as a medium of thousand2 / I. On the other hand set output buffer 1d / f j + y * G (?1 start circuit 14) housed ?? People to pair circuit 1ssr and the (@ / r 6 times kaolin'c [r 'L, via back at this time, the other conditions are all to be the gate given to concluding the eliminator 44 dispensing No. / I off mound-forming circuit so that the surface is set in the output one-ODF (branch controller, 7-4X forming circuit j7 normally 6 to 8 (I dress signal BR CF + DTI is output by ?) In this way, closing this, La and the branch J', to the above (2) in the FIB, the deposit process in the same manner as a falcon with i (Ji, ROM 102%? J/couner,', x.sub.S and Y address signal and the address signal and the Y / (? set to U by fraud, executive director of the ladle 1 person, "A'J main / lunch and 7 kw, lunch and state. This issue with the crucible cold-manipulative J main branch corresponding to the furan, 1Ll, rough processing times y II-r image 36 Moss-rak's dress, a strut 34a-e, Yb Jules Bianchi (ding-ten thousand tickets to / [2AK-coated] Kim to "I OD, the registered number data registered number Ding-inch coater to 1 'collector lead through #i = 2 subtraction processing image processing 36 to enter the heart, the formants switching determination on the mismatches apposition t j for 6D of the guard register HT-KR-? Icl / VC, the seat.% Co-D'.sub.i through seventh, 7A, further branch and a control circuit 3, R / c step KK circuit,, therefore, 37A transfer status through a '1 "Bu-bounded ° ° rolling hizu? "circuit 7B / the I, @ one on the money through out-out, to female portion u s gambling Li Kume ratings gate 1j'J mountains algae a human power conversion 1 path q in this case to ? i1 + 12 out detection unit I causes the transfer circuit 37B END Sword): 32 'Jclassification items from the data memory 2 / I / LIF and not to determine the error 9%! , as Choi ivy gate. 2E, the registered number determines whether or not there is a miss in size ?? Ahn. For example in the case of this example, "30000", and registered number "1 to be subjected to 000J and registered number in the case, such as the commuter pass 1 of the finger that has been extravagant "woo with 5000 numeric [j]1'impossible dispensing 7: f and the detection error checking, a part or all of a dissecting ? + 2 t 'J &'.sub.k is the error signal to generate an error: This error signal via the control circuit 112 off operation command of S, in human power line device / human power and "forbidden interposed times a baking pan. More than 520,000 is applied to the data management unit ? oxalic code : as it prohibits the input 'f. In this case, history! e / Ua a take out of money by the negative switch, i.e. prior to **sort** key "money" switch is pressed / **classification** / F a take money / LIF is input, since the CV-LC fraction forming circuit 3D7d1.V VM No. F, in FIG. does not occur) (3c) (2? "ten" key 7 Press the switch t'uto Ja-kai output buffer start times i1 dimensions starring 1 731G W-IL is input to the circuit 3 (in this case), the commuter pass 1 minutes i-j-th [force rate the memory table, the inventors of the gold / **classification** / I 'is signal generation conditions they are provided as K is a branch controller 311A surface (buffer-nose-width · , start instruction is given.-2-fang'11 / FIG. 2, ? dispensing mode start signal items bells, forming a silent // V), the output path Junyi ZHANG inductor is a set signal 12 (described above), / f, ON) generation and switch /? A., "ten", the key of the output times @ / 3D inflation pledget is RL round by kotobuki et al., a start signal, by the output of the fzt, furan-hoon,? Y / QA of the O-o forming circuit to output an address signal, Fig2. 2 of 7 (X, Y address of one of the dress) long pepper-JX-inflation operation star) a read from the ROM, which J C Kongo inductor differentiation control signal is obtained by the step 7 histidine Tetsu Ichiru Lunch & control circuit 34!! ? while being distributed to the peripheral device from the circuit 30 circuit 36 F's finger operation from the sub-branch is made. Step Sejong remove control signal is applied to the printer when viewed retainer on day-y.sub.j for bet number register N outputs KR from the printer j r, AJ juku FY2006 j symbols ("pictmap ten thousand tickets in table 4 and 1 ') together with 71-di null!. the incident to the specified signal 3 branch or alloy 5 selection decoder to F' is seen, this inductor is scheduled knee of format of " article dispensing subtraction buffer" branch inserted ten thousand tickets nasaf The Torres and J-f 0, to set a register therefore in operation condition 7. The ROM34B the execution instruction is read from the decoder 3A n Stellan Cf1 output, thereby through the shaft next buffer operations are performed on the male / step, the "Wan ticket" buffer B, q) data indicated by the note Lj (soaking) in the "o". To finger (b) passage J memory field-propelled AB operation determination circuit 31 under the control of the distribution for the bonded capable.D, the transistor 11 in a many-CR, the data for the register R · Q numeric (NK is r00, scoop up!) the addition result is added explosion or "n J in ten thousand tickets to the buffer memory B1 re-blowing-qi-hand cross the dependent territories hoop ?b "verification lead-in force and / Hc. "Wan ticket buffer memory B with great interest J has a take .theta.o is "S", a "Verify J of buffer B / t note 1!"; 0 fc is the data O Mt. f capable to (3d), don't above (a)-(c) 3 "Operation & beauty / i, response operation r [J]," and "5,000 thousand tickets Masuoka Lab. 500 also performed in the same manner as ticket": it should be appreciated that the ? in the case of this embodiment, [Pyo] [five thousand tickets ticket **classification** item 1 to memory B-k1d, in the above-described Yu-B art-recognized, 27G memory 27B in the same manner as in part 7 when the other one is in the set state, now-set-memory-like those set to cram school and scolded reset. 1 all of the money car comb, the **classification** items and the amount of the human power take-take **classification** is the end, "ticket" on the buffer memory B J, j, r- ooo" buffer 9 5,000 note B3 [?; 0 thousand tickets!", "O", the Rx buffer memory BMRY II' ooo rim J OJ, ticket, buffer memory BMRY svt ooo" representing the data of the gold: put on airs DP 33, 6-2 2) respectively stored in the matching force in addition buffer memory B 1 / VCR-ooo "u z, J J J "20 "ooo" s by the I-f-ooo evening is stored state is obtained. the journal printer 52 also 7 Bu I/O9Hb, TEIJIIN r1 as shown an image J <i push barrel showing the progress of the flint each **classification** item is performed. it should be noted that another "current", rb. a j", "d j are each five thousand tickets "wan ticket], "1", "five-thousand tickets have table r on the other hand ding symbol. money dispensing control unit 13 nt banknotes 70 g sodium film 3a of the memory circuit. 70 grams vi dispensing detection unit. condition 5'12 "50 by the detection output of the force", "image", "thousand" of every original. for this set state, this by the hologram. the toy and music box in paper making out), shinto god bu circuit 3a to the "eyes" no. 1 to "five denomination is sent to lose heart ? (j-3) to "match" when you press the key switch/li out signal is a direct instruction selection decoder 311f is applied to the memory b / "match" each data of the balun 11-order added, the added, jp-a-3 455 (3 / 4) result is output to the display device 5 of the transaction is

displayed as a subtotal amount therefore handling person looking at the display total number of this match on that there is no error in editing or simply referred to as electrode it can be confirmed loss in the manner described above, the dispensing processing or bills for a crab buffer d, thereby one of the data that have been traded in each item for each item provided separately from the 7-k-f note: am zoo +) respectively 1 seconds, on the other hand pay school / ? 1 stored in the trading breakdown: each data of seven 11-p series van memory verification with the manner storage, 1% in the present invention capable to this buffer memory, the main based on the ki * f1-? tie up a main operation, by performing the cumulative addition and mae f of an indicia to the wang, money for noboru jaesjio throwing device to the data transmission and so as to perform the calculation. as described above, nasare is completed, the buffer memory b2, "wan ticket" on the ooo" is, the "b3" "five thousand tickets! buffer memory; j ooo" is, [t, r, 2 thousand tickets buffer memory bmry ooo oj is the first buffer memory b; . j [five tickets!!", r; 0 respectively .theta.o amount data of the storage information to t1, on the other hand, buffer "verification note 1 b / 7 times of the ij, the total amount of money is stored state. (3f) a portion of the 'printing a shooter bells voucher? f: si @ people and a voucher card printing // throw away the insertion detection circuit can detect the "subtotal" applied to the signal from the key switch / / out last name, subtotal. j (j / g) r / m switch, press the [1 at this time is in subsummary instruction memory, the bok2 / w, and the set output o-af instruction, the hula start circuit 20 is given to the 7 / y-start instruction in an unseemly manner. as a result furan @ 2 / y selection condition "subtotal" signal to the main main branch branch address calculation register, 33 g are ?? x along with the input to the operation instruction, the main operating circuit j4' start signal to the rom counter.3ti. however bi / the (a-b / j Jaime Melo at this time verification data exists in the pan by the address register 33 is input, constant output] g size!, therefore an // e" / "a table as shown in fig j' on the near) as shown in the exit 1 mk! 1 m, 1m ? n force force saponification address select output 2 may send a t-shaped elongation. -1-o / co - thursday 7 -1-fig. illustrated in fig. 7 minutes on the address register, 33: inductor circuit 37 / 1; ?) conditions with the n / setting (input / output circuit 35 at the gst chalcogenide phase is in yura-woo. @ n5 times at the input gate 37t. if q output g (blue-green algae of the japan-brazil table). therefore, first, the address register 33 output circuit 33 output circuit of the n / ja lunch with angle? command 7 as one of the main circuit of the j4 / y? b input to kill by running over one start signal r8b{cs6f@, the output n / address output while the rom counter b and car 3 input circuit 1, klotz resigned his post, the lio (e, fig. 21) via the address-bu yo is input as a signal l at this time rom counter b, 3"-furan-order l2 / y et al.) circuit 4813 hei ? · x2 by a command signal for selecting the address j and 1, the output n / co-bu across from the output of the unequal to compose t-y l o ?". address address in the address (x of furniture, yo) corresponding to "dp: 34-j] main rom payout furan 4' if put out read command (j>.backslash.APP.this multiplication, the force added to the Kenji Hisashi come print gloss over (l code : Kinji Voucher in IL bells to the long-flint to ? of the remnant of the furan rei instruction selection F-depth given to the comparator 32, thereby, a registration execution address? A. sword). "match" memory B .. the amount data of the crafts (? / [10 'crucible and with 000" Woo OJ), referred to as "current payout note 1-The addition of M6-execution instruction and the cumulative data Bu the coater 30 6C via the operation decision circuit, b, b output? Dvc. "match" Note 1 crab-with great interest bumper 7B / 17M and "payout" main dust and note data of the specified times field 436E, under the control of the circuit 3a' is added to the Dki. 4 times out, this addition, there is a take t * (1 total payout of "current" main memory M and b is to re-write the "matching" of the **classification** items, a series of steps is completed, the branch control-jp and step 304 inductor 55 circuit 3 (35), roll-feed-E, a signal P, the BU (Fr (01AC8 based routine end signal is generated, which opposes the N / out area register 33 per cent between port passage 33A of g is 5W, in place of this N best equity circuit 3j is set. 1 k-accordance disuccinimidyl 33 is output from the output .PHI.al-less"" (Y4-J-A" the A dress Minato furniture-2' (X, Y address number of FIG. 1 II) corresponding to the "R" main planner cash OVJ C, thereby, read from the corresponding execution selection to the computer-age and lunch seven times 7 to @, Nasaf? If, when sent to the sword-go. This in the same manner as in the case described above, a "Verify" B / /<crafts' by adding each of the data of the memory the addition result to the printing temperature to straddle, frit bells heat transfer is completed, the Flint, the furan and 1) step, the control circuit 3ii f fed paper normally signal py vc 8 is routine end. beautiful address based on the signal ac, thereby the output holding passage 33 ns 151 and n j 9 5 are input set of the gate control circuit 3-a, and, in place of this,? n6 output holding circuit 3f is set in accordance with the register 33d number-r: output by the output from the 1 '7 +% jude dress the address address (x, y, t), z serial number 7 corresponding to the "lunch date 1 main rom321 read from an inductor, as a result of c / (serial number", "date stored in the main memory m7, the data number 1! sequence number of minutes), the lower 3) first operator read by the tens digit of the food 17" is added to "mol% + o mol% remains as a ? out cup this date portion cs6 coupled with a serial number, 7v as a free pointer in step r2, the combined data is coated with 12! flint-off 4 0-100 is date as voucher series combined data m7 main ij as update data note rewritten **classification**", "verification * g 4. thus, a series of operations on jr date no. 1 is completed, the job 7 and @ lunch times branch from the end determination end signal: f1-a or school; this straddle the "subtotal" with the u / s memory as a reset signal. a ? f and 2 out of the 8 'print voucher has, as shown in fig. 7 o c and pay foot subtotal amount date and serial number printing, so that the becoming pregnant it should be noted here, reset signal 1 in the same manner as described above deposit process/co-ik: view and fig. 3 feed off the vapor engaging no. f and the output address to the p6 f output of the dankook university theory 1 conditions (h) is formed as a connection and the license voucher? some printing nita, tend slip withdrawn card at this time the sampling circuit / printing / ui straw via the instruction memory "v2 / x subtotal" is set, the one, the output l1 instruction, ovf furan @ 2 one main times the anti / y' the address fj branch selection register 33 to the contents of the "v" operation by the main subtotal instruction is given, the main ? life-?"now, the execution of the above-mentioned (3 g), the buffer memory b, ? / q data "verification" main memory m "current adding the payout of superiority with fourth-c of the portion of the [/] xj is executed can not be a step, except the way out of the above-mentioned (3 g), perform the same steps are performed. code : free pointer 52 in accordance journal / 1 against, as shown in full-bodied aims to end 35, the ? : y / printing of print to the same content as the license voucher for the confirmation of the internal print is made (i, 71) 10, cr payout" switch, the "payout" the key out signal j / t is set to the instruction memory. however in this case instruction memory 2. "sub total-reset / sid, earlier in the memory of the) r4 / t2 / t set, it does not prevent memory output d-ipu si / y facing each other of co-furan start path by given to the circuit 3. an inductor¥ automatic program execution to the denomination dispensing is addressed. here, the "payout" memory, 2 / t of the set to the set operation is receiving a salary. "payout" the path input from the switch / ? · 8 interposed a ? withdrawal payout condition [approximately 3 one! 2i normally is applied forbidden ys-c issued or "exit" memory, at least the u / f side. in the case of the set output oa and the dispensing a specified circuit / q / 2 (odd) / t' u'.sub.i) at the set output condition and the odf, one memory at the time of payment processing in the u / s is emitted from the set state to the reset, ie the main operating force) [ding when you exit sub total for the first condition 3 (77 " ' ii-to-3455! (36) approximately 3 s f + 1-pt1 is to release the prohibition operation of the mountain "payout" the input to the memory 2 / t operates as may be the buffer memory " and 2-b5 at this time the data is stored in the t' is, l address register 33 to the condition output-t et al.] g5 is input to the 1-a table as shown in fig accordance // "payout" shown in the column of the denomination, and hence the-[1, f / b power-n <rice from high-strength obtained address selection f that is, the off-state, 23 and have years / , ? a third condition in an address register circuit 322, 326, 330 and 333, the length j" condition output j: s <7% 1g a beauty jg (gold as given by the constant other conditions input position detection signal s4' akiyama / j & r, 833 .mu.s, s / octopus is reached, the s2, respectively condition output h'1) lo!") may be sent 13k and h state (table 3). by the way the case of this embodiment, the money dispensing money dispensing apparatus control unit 31 boundary, the interrupt at the time of waiting, dispensing machine shinto god! ? # j "ten thousand in the position 120, deposit box lose interest in our one-shinto god so the position detection signal s [million j-woo / 4t only the h register 3 is given to the gate circuit 3./5 / constant input bu 1 the output condition circuit 322 also, with the proviso that when the output g1 is sent, the address register 33, the instruction 7 from the circuit lunch co-bf / y start signal tss is the main operating power, when the output # n / r is sent to the 4256 address output lever 6 l'.sub.3 the rom counter-direction bk2 / @ + 0 (fig.'z ryn) via a yo-address signals as human power. "payout" instruction memory for commonly buds2 / t during feeding force di order amount .delta.r' is a bloom in fig2 by the x 'thus, address address address is specified), yo) (corresponding to the "great!" main rom furan-million months from j, inductor reads out the rough to the corresponding execution instruction to the steer control amplifier 3', e, i, l and branch path from a transfer status and sends it to the control circuit 3 is in this case the circuit 7a is not j source instruction as "wan ticket" data transfer and data transfer signal t' transfer control circuit 37b, circuit 37b kabuto-h i s j 3 / 7 a "match ? buffer memory b capable lodge bu iv auntie [h1], then the ten thousand tickets of data in the memory 7c, string views?: forwarding the ticket transfer "j7 at the bottom of the 99th evening force'-branch in the acid-gon; j1-j4, the le circuit" money dispensing negative control circuit ii ') urging load'i / b1, with respect to the zeta · load signal for this n / b circuit vc, inductor the infusion of the alkenyl-j7c memory amount data of a ke4 (/ dispensing counter forwarded olr vc@3 branch and a control uh; curry! in the °, the eup rated 8 times q ? 3 dispensing start command is output, times this, eliminator @ or the throwing-out v3s start-up set. this set state after dispensing end signal c is f: eo! knock ebisu hiroshi occ

circuit 3q is maintained until sent from the start braking and therefore money dispensing, dispensing read circuit 3t is, so to generate a sound output with the "wan ticket money dispensing" ° j in a state capable of throwing the z, (2' to) a, as described above, the banknote dispensing times 4a flow 31 grams sword) "original image", "1 to end: 36 (cut down on a -'1 of all of the denomination of the signal is sent to receive this defeated priority circuit 31 these signal t of the amount of the denomination denomination higher yi: externally selects and outputs "off" (and therefore of the denomination engaging no. is output temperature). on the other hand this embodiment "wan ticket" bill with the elevator box can yield a blue and position is the standby stop have been made. therefore elevator position detecting circuit n is constant "ta3 of the position detection signal of the bill by the clutch driver output the i3 "wan ticket" clutch f2 driver is driven. geothermal, ? <"wan ticket-on", there is a all of the-out conditions of the throwing-out "wan ticket" is started.'1 + v' dispensing the bill bae shinto god / c i set the passing through the detector 310 is ejected, the ejection signal is counted for each pulse generating circuit, / fl to the pre-count pulse' number column 1 is raw city water column, the robber fly the counter count pulse input selection circuit 14 (this / ek coated with, it has been given to the priority circuit 13c is kim et al., "a million type signal corresponding to .theta.r / .theta.o-o-digit counter of the f.theta] " " one / jp-5 / number of mikki kuntu 455 l-seki 30 pulse input to the (37) discriminating furniture mounting projecting-free output / a, in the non-null value preset in the juice for memory-to-c '3 f? in the ? rolling from the amount data [shinto god' is thrown one by one alkenyl / shield. deceived: mount the valley of this "q", the coincidence detection parching pan 4a / zero g is detected, the matching detection output of the paper l l11, one of the hologram small iol cv, the "flow path 13a j' hologram memory, whereby the priority of f'l or st times 180 t3c man] in place of the "denomination denomination "5,000" signal by sending a signal to the elevator -1-?. as a result the market position d is "4", 31 ? fixed position detection signal is obtained, in a ratio, lifting co 4 ratings control circuit ? 3 h is operated up and down the elevator motor 3j isn't hiroshi ? and the temperature of the elevator is to start the "five-j in place of the reach '+ 0 and fog, which is detected constant position detection circuit + 3d ke, which has to stop the elevator along with the constant position detection signal s3 "5,000" position detection signal cs3 and the constant ft (i-j9 sends the position detection signal s5 "5,000 of the address register 33 (fig2) circuit 3 a / roller 326 is applied to the @ " ' times kaisei force through tn in u uku ? to the output terminal of the gate circuit 35a on the other hand output to generate (÷, fixed position detection signal f j' tqs l" address signal address register 3 routine is finished as n@3/output / input holding the gate 3a and the n-reset circuit 3s-n2 scheme, thereby output holding circuit, 33b is n, 2j set output circuit 3 through gate one gate! 6% it is set. therefore, the output, address output out # n, which is ro shin assortment the inductor l counter 3 b, the input circuit 2 (in the y-bu luogang yer joint venture/address "" is input as a signal to the bottom of things from ?t3' r0 counter 1b m? ifc. address address y / (x) is set, corresponding to this "j-j main rom nine thousand furan 4' roads are many. from the earth "wan ticket" described above, in the same manner as in the control circuit 3, a furan step of input and the ? of the leg, the memory execution order ding gold ? 3 / pants-neck subscriptions memory b / of the take-take one of "five . the transfer through the memory control circuit 37, bf, the computer 7c of gradually transferred to.? "hood control circuit via the mounting projecting li / b / a-free output to re-variation is transferred to the elevator fj on the other hand positioning detection circuit 3d !! "5,000" inductor detection signal of the bill by the tuna-kun degree ? [5000] driver 3e of the clutch driver 1i " and driving. this "5,000" bill vcl to the throwing-out of the bill is started, the throwing-out of a cs6." as in the case of lose interest in "bill detection/shinto god's weir 116 to luogang ic, in this case pointer is detected by hosokawa / e of the input selection circuit inductor inductor circuit 3c to the fikentscher misfire denomination "thousand" signal is applied to the condition that, the bill is thrown out 7% / h is projected for each one a of the oj counter 10o the count pulse to the emperor. at this time, the fraction of lcv v forming circuit 3d is sent to the engagement signal, because it does not corresponding to the "5,000" bill emperor digit counter, i.e. r 1000 j counter is the most significant digit in the borrow from this counter output to the rl is sent to the ooo furniture jn: the end 37-1, and the position of the digit> counter counter content and this from the door fully OJ(-r / until the coincidence detection circuit (zero) is zero does not match output to the denomination dispensing and automatic or 8-Huem Waru detection circuit "7/G 1, the coincidence detection signal [h-J or HAZ toughness the throwing-out of the bill thousand is stopped in this way, .delta.remains "five "+" and thereafter sequentially, for banknotes of the denomination throwing eyes" is all automatic school of the denomination of the bill 1 to image 1 of [Force-(original dispensing the banknote dispensing is completed, the time of all circuit 3A 70 g, are set the memory, this is Bill reset check flow circuit 9j cram L T, the detection signal is one detected COC flag circuit. 11-C3Q-fraction in the same manner as in coin circuit 3Q, the Shakhtar Donetsk 2 ? 3 grams thienothiophene flow circuit operative to also receive 1, the output of the transaction, but now the throwing of coins. The coin on because it is not necessary ß et al., j times coating @ 70 g poke! from the detection signal is output at all times.?. accordance fraction B circuit 20 grams + JQ risetsuto poke the Bill 'thienyl]Bu 7 JP-a l-circuit 304 inductor 3L 55 (38), the detection signal is obtained, when the currency and MAMORU Q-dispensing end indicating that the completed), the throwing-out-fade. This allows outputting the O F / C signal, the payout motor 71? the bill 31 to start driving the bill 1 to the money thrown out throwing device and it should be noted that, sends out to the out outer not shown and described in this embodiment, the money dispensing and structural steel is attracted by this n down together with the money receiving box, which dispensing a busyness dispensing money, the throwing-out of all denominations in the currency dispensing mechanism upon completion of the one of the t-fed to the outside payout opening, n can be ? to a. In addition, / l-, 2 times the signal the start circuit 31, TI, S come found given to force a reset of the goc depending on the signal of the signal forming circuit U 3, sculpted in the program address "payout instruction J / T Note!" (bloom), the reset signal is given as a CPU 137, in accordance start'" instructions until the branch passage J through the (B) / Yin main arithmetic register 33 branch selection for the address has been given to "payout" to the contents of the operation instruction is not be obtained Main-branch and the control circuit J4, Stellan'E with respect to the alloy selection decoder 317F BU: + auto] throwing-out of the storage medium, memory M5 ? execution address register 70 for A-j & l of the main stellan as "automatic dispensing the accumulated data read memory M-f primary! This note I mourn over the "match" read from the buffer) B / [J data can have ten thousand tickets [5] [ooo Oj, five thousand tickets data [2 .theta.o, S Oj ticket" data [2000 five-pyo ticket" Oj, the r data Rs 1"ooo secondary pressurized in the next J-V (stoichiometric, to automatic dispensing the results] the main memory M5 in this way, to re-write the money from the presence or absence of dispensing apparatus, "j" is 5 Like, "nine thousand tickets of five thousand tickets Q pieces [white] is 2, the automatic ticket" is a jpeg-money is thrown out the main memory the automatic dispensing 1 MS Money also thrown subtotal amount of OJ2 ooo-kai Official new accumulated data is obtained by adding Tr by the automatic dispensing by the dispensing process is completed.-all of the + 4) in the case of example to the dispensing denomination specified automatic trading partners to have the data in accordance with only the input money voucher must be submitted and the A 'and processing. "[u from now as shown in figure A, based on the dispensing denomination specified cut down dry twigs for fire of heat transfer-to-Minimum Number @ does not lose heart gold automatic dispensing operation, in order to perform a first buffer." (a) numeric keypad 72A billing amount k thus specified denomination j / J [seat? A. inductor. However, numeric key switch group 3 withdrawal money **classification** H of, first of all, pressed numeric keypad switch also saw a without the data due to the 7-to-, J-V flag forming circuit 7D (see FIG. 20) are engaging No. B' LCV LCV, and outputs a signal LC this r = cv controller.? Vp [branch <4a (fig. 2k1a through circuit / rio. "i / through the or circuit j / the a in the y2 / l-type co-address signal is supplied to the rated! times however at this time, t3 · h3 condition signal is obtained, b, since the rom counter forming circuit 3 / 2 / b from 'a ring at the same time address signal is sent to the kneading condition signal t, r8 is y / e-13: add ndp1 delivery 38-less signal. lcv signal l (l-i' "video-feet cleaning start circuit 32 g (second subtraction inductor circuit / fig. 1) given to the input gate of the & conditions; all other gate force at this time is given signal forming circuit dispensed by item specified//set the output immediately, so that the ? 3'-tfidf k therefore furan controller la / 1 7 ' forming circuit x 5 8 (i dress ? signal br cf + d-flip) is output. in this way, after all, 1 controller, 4ca, furan? rom counter 3' address signal and lb, y / x5 and y2, as a result, the address signal and the ? set rom, 14% cc the address number of the y / (xt), and "write" in the address number (x main furan!). v, y2) and the total number of rlc-j main furan (second reading state fig2). in this case, the "write" in the main surface of the furan instruction selection decoder 30 is supplied to the inductor p "of the data thus, numeric data lead-in co-operation circuit via the decoder 20 and 74, the arithmetic processing to the format of the variation in jp-a l-yoo 304 55 (39), the calculation circuit 36d a negative determination for the register kr, in n co-cleat last name, its contents display unit st (b) displayed in the inductor switch / a [+ 1,?, or?, the key of the buffer a, out output f-start circuit 32 at this time, inductor g it is input to the circuit 3. v signal q-c vf signal generation conditions they are provided as a branch controller 3 operation start instruction is given immediately to the buffer. in other words, 71n / 2-yj, the moat-a lcv vehicle withdrawal the start of the time of year i to form a circuit t, t5 + of the output i, (described haiku cut no. (6)) takes a sufficient conditions for generating the j key switch / r and 3, pledged,? d, the output circuit / off-a or, by the start signal f3 output, this by a furan-inductor-forming circuit controller 3 / 20, yo-out to output an address signal to the address address. fig2 (xs, the majesty) buffer 7 a main rom start lunch j4'c, read from the steer this includes the control signal or the steering characteristic control

circuit branch and rough rough from the peripheral device 3' If, distribution circuit 34'e, together with the parallel circuit 36, with respect to the manipulated from the first bubu lunch designation is made as control signal is 5, the co-free rough is applied to corner the number register numeric data or n, kr from 0-100. this free s2 is output to the minimum number of dispensing immolating himself (indicating that it is null, l / (phosphorus) and the co-shear. on the other hand, the sub-instruction selection decoder 3 furan designation signal is f1 will be converted into the format of the address register 34, and set at a set condition r o'dell". accordingly, this by 4b, read from the rough? steer the execution instruction, the decoder output through the jl, in operation or = next buffer in fig. 3, rlc buffer memory b'v data (current j j is "q"), the control of the memory field designation circuit j6 b] v mac operation circuit 31 size zero.d.sub.for temporary storage of the acr: ryuizuru grinding this data, e l / r for the register kr, the registered number data (current + d n "l inductor with an freezes at t on 6j) is added, the addition result is v4 b2, rlc buffer memory, together with the re-writing data is "verification has been registered number j / in the buffer memory b to the cleat v (r-y, the data of the buffer memory b2 end 75f t6 subtraction determination circuit d through the third b? this ?-v-r-furan'i and step by the control circuit, the control circuit 3 transfer is'a' stay (h is controlled via a control circuit, a ? transfer y7b't 1 [+; money dispensing river: li@bl-to-parallel conversion circuit, the qxa yc la't based on the output of the decoder 112b output vc obtained inductor 2c, the memory check gate input?. memory check woo sung ? (gate 4j, li' l'c f-v signal is input to the lcv under the condition that the current buffer memory b rl 7 cvj co-data stored in the second 2d circuit, gold sleeve poke through the dispensing banknotes and coins: flow front-end circuit 39 l1.a and cram? i3b memory 70, to set the cram, italy in rl buffer memory b has put an end to r / q << 76" or with 111 amount data because it is necessary to dispensing money, j., [million "5,000", "j", one of the denomination of the bill mozu necropolis inductor and the j, j, r [white + j [force enough, "five "j s j, r, is one of the denomination of the coin valley 71 a total of two), et al., corresponding to the denomination of the bill and coin dispensing flow flow hologram hologram memory circuit + 3b,? a and n'.sub.1 to be set in the amount billed data of furniture or the ? ff, in this case "v" finished lc 7 y (buffer memory b +, u-r/6", the buffer memory 77 b / the matching csi-rs with 9 / l76] the rotator is negative, also 5-free storage a poke journal from lij l, blue-green algae ! as shown in b, the flint nasare junyi zhang is shows the elapsed. on the other hand, money dispensing control unit 3, the built-in circuit and following up the banknote dispensing bill dispensing flow flow grams circuit applied to cram 70 grams memory "force" and select set for all denominations of state, this due to the bill from the circuit film and the toilet cram coins flow for 1-r-j + 7" + signal or are sent denomination (p-n on a switch / ?) a "matching." lee; alkenyl) inductor. eight **cloud**: i-7 instruction selection signal v 'in the coater 30 mol% f "4" this the self matching buffer memory-to-j.sub.j) 1'-el / display device/i/a) / (output lever 7 times of the transaction id and the subtotal to appear on the gouging take on ? # to this verification view. whole **egg** or not simple sum of electrode <ka. in japan, sum-denomination specified for automatic dispensing operation is to buffer, ? 7 times, nasare d-transaction each separately from each of the top in every eye data or buffer memory .delta.items housed respectively s-?. once æpâ-breakdown-j at each data buffer memory 11-order 7 matching is stored in the 1 in the present invention, based on these data, the main authentication, by performing a calculation with respect to the main memory, it performs printing in addition the cumulative addition, further subjected to the throwing-out of the money dispensing apparatus described above to the transfer of data specified denomination of the dispensing processing and so as to perform a different transport methods. with nasare as described above is completed, the buffer a harp too long on a rlc buffer memory b-r / 4 vj 2k 1!" is 1% to 76 matching the 7 memory 7 cross bl, the total of the amount of money transactions @ crab-ding with the same gold gate 76 "l", in a state where the respectively stored ? (4i) a portion of the voucher shooter at this time, authentication authentication printing to insert the insertion detection circuit / printing / slip-up detecting the insertion, this by the "exit" switch of a signal from the // n, it is possible to key out "subtotal tuna (e) // n j sui, press described above this time (3s) in the same manner as in the case of a "verify" b / data buffer memory of the valley v is added to the result of the addition to the card put on airs printing out slip 62 (g along with the flint reconciled . each piece of data in the buffer memory b / 17m main & now paid by adding the accumulated. note "8" main rice sequence number sequence number of the memory m7 digits (the subtraction'.sub.i-j / j r / after the note "date" main jj sequence number m7 of the seat, the slip data to the authentication print-out of the first floor to the bottom of things mark lint bells is an ? **eggs** / .delta.2, heat transfer b (1 <last name should be jealous bu-seung-tjn the payment amount and the daily and must be accompanied by small hand 5 is printed.; and that the (ti) group-a journey of j, slip from the portion of the glaze coater has been described temporary (311 in) / r) exactly the same as the case of 1.0 s / ? of the free poke journal 8 / z1 'mp-1 such as incident (a 4'-free. j) / 101 cr payout rate" switch press signal.]-out [payout instruction memory, a2 / t is, and the set (st output instruction 7 start circuit vc synthetases, co / y direction applied to the subtraction instruction to the path 3, the minimum number of grams of dispensing execution flow is addressed. however, at this time the buffer memory b anita 23l stored in the address register 33 by john] and 8g is output, human power, therefore a table as shown in fig an // "payout rlc the column j-v', as shown in n / f output and output may be issued et al. address selection state. end: 40 i.e. the o / li dress cistus in fig, 7 circuit 32, 33 i / lc condition output g2." and v-vf "payout signal" instruction output di p is given, thus the output of the table) and sends the (human power inductor. therefore 8 / n /% constant gate circuit, the condition of the output circuit 32 / g, based output is output, the address register 33, the instruction from the main furan operation start circuit start signal b2 / y rss: = w · human power when the force output # n / 7 dress while the rom counter' is 3. the y-o address lb as an input signal. on the other hand, "2" payout note + 7 / t" instruction is calculated from the dip is sent, the instruction output by the first 2'7 of fig. 1 ? i dress, v> is specified, <Rt (the address number (x + L, Yo) corresponding to the "CV" code.'.sub.ir' a runner 31 to the IC '1' from a ? out the corresponding instructions to execute 2 and Tetsu Stella resveratrol E and circuit 3 inductor fu lunch co) transferred from the status control times 37A, and sends it to the data transfer in this case the circuit 37kd data transmission instruction as transfer signal TRF off control circuit, 7B, thus? circuit 37B around the matching memory 3 / J Bar La boiled rice I: 1, the Western Annotation 1 in./1.0 lL capable to combination with CVI dispensing, cut down on ? footsteps, 7) a 1-view data memory Exotic strike to transfer.'.sub.y-1-this data transfer, control circuit 3 and the bottom of the 99th rough clutch u' role of the funnel money out device, #1B control circuit, VC, on the signal-to-funnel through the circuit l, 2, 1,3,5-hoi-memory 3 or C-dispensing counter the amount data of the re-transferred to the inductor / A-zinc acid, furan (b) '431 .mu.IB rough control dispensing from the start path 73S i out' or dispensing start instruction output, which is dispensing by 3s start circuit configuration is set. More than this, the state of l-Sasaki: l: finish No. Lf1o (U coast-Bu: Hiroshi lug forming circuit 3Q-in and you'll be on your delivery sword is maintained at 1 (start money dispensing control circuit ? roads are inductor 3T is a dispensing screw of output output A 1 ° and threw money dispensing apparatus of the money in a state capable of (b), however, as described above, the banknote dispensing cram & v <flow from "1 to circuit 13A of the eye 1 to [five all denominations of money (ZC, desk with signal is sent to the priority time ti, y can love * of the amount of c is higher, i.e. shell denomination denomination "Sound Selection" signal outputted to a lifting. J@ is the above-mentioned (i)] as described above, in the standby position, "Wan ticket bill storage box because it stops the elevator 3D is constant position detection circuit 11 "and", and outputs the constant position detection by the ? No. "Wan ticket" driver LSI driver elements of the clutch L3B is the throwing-out of [million ticket" is started (i).? In the case of ten thousand tickets with the throwing-out r (j in exactly the same manner as described r (1 meal/bill passage on-out unit is detected in the C counter n 9 W & E-quotient human power applied substantially letting selection f10 ? L OOO counter one count button 163 pulse is inputted. However dispensing rlo counter + / A-g (OOO OJ2 each of the ooo" digit counter "/" the data is transferred to and r, 7 of 9" and "Wan ticket counter is thrown 1 both the contents of the I-digit since zero times this tongue OJ Naksansa match 11I, by G is detected 11 times make 70 g @ 31 banknote dispensing a hologram memory "J70 to is a apposition to priority q, y, thus cents pictmap Cir Ir 5000 sends a 1 denomination. What items put on airs ? of raising the time the bill dispensing mechanism on-machine, VLR 4, cut down on J, "five of the localization of the txt, t f stop position detection circuit 31, the elevator is detected "7) to about 1.8 thousand] · Ke and 3E, @ clutch driver 41.. However, this time is started, 7 sheets of paper money at the time of count the throwing-out of five quantum is dispensing a [Hosokawa / 100-o counter J, the count pulse generating circuit to Li / Fe is zero coincidence circuit 7'.sub.1 pulse is applied, 1G-i / G is zero, the pulse circuit, @ is a depletion LCV when receiving a dispensing dispensing money, and in the "5,000" bill "5,000" on the condition that it is for generating a detection output of the zero matches the bill accordingly, when J is thrown "5,000, the throwing-out counter 10o o/A r the contents of the button 163, "Ka Fung" to "3" of the transfer data code : 1" in a state in which the throwing-out of the morning on the beach to bill "is started or the electrostatic "ten" is thrown three of the bill, the Len_e: 4 cows. 10001 counting the contents of zero-O ", and by coincidence detection of kneading times I / (detection output) from the match!" is sent. The "original furniture / sheet of bill make progress image", and "50" bill is thrown in the same manner as described above for the throwing-out counter l l / A I/O for the contents of the OJ counter "Ri" "da" of the transfer data from the coincidence detection circuit in a state in which the q-side match zero o detection output is sent to the ? (1) or when the banknote dispensing. 31 grams each flow circuit ' poor flow type, ? cram=for reset, the throwing-out of the bill and the furniture is completed. Reset the dispensing end of program check circuit 3l the bill (not shown) for example a

coin dispensing control circuit by the detection output via the coin out I13 motor mill 31 P starts driving state is alkenyl however in this coin dispensing control circuit reset check circuit inductor ? 3 N program output from 3M until the arrival times dispensing control calibration curve I13N, 181I is held by the ? in this embodiment, the coin dispensing motor 413 each 7P is one by one each denomination of coins to the throwing-out coin dispensing mechanism (FIG. 7 F: 2 and the common, each of the moving shaft-yoo Onibu arts policy corresponding to the out and structural steel h r1; f1, respectively provided in the clutch driver KF; R'13 coin by controlling the dispensing mechanism to coin dispensing motor coupled nasare dog 32 so as to, it is assumed that l each denomination of coin dispensing clutch driver I3 I3B each denomination program is it is driven by a signal in to coin dispensing Purokuramu. ? circuit 113B, g, the (Dali! As described above, all of the denomination of denomination. signal is output the coin dispensing drive unit motor 11 3P is, all the 7 denomination of the coin thrown one by one or simultaneously. J, r, r "hundred + J-1 described above for "3 denomination, in the same manner as in dry, also if the morning on the beach to "five", "circle 1. The above-mentioned "two money kinds for Japanese syllabary r (J, r, as in the case of FM J, respectively for each coin, the coin is thrown passes through the detector inductor / D based on the detection output of the count is "2-pulse generating circuit. If Lf is input selection circuit count pulse of the counter, the counter Li / output through the gate (input / A counter (corresponding to the emperor elm is zero zero inductor / G match out circuit performs coincidence detection as a result, the first operation, at the start of the throwing of coins (dispensing gate U "1 counter 4 / A of the OQ J, '10J, a "/" , the contents of the digit counter "J respectively, r7, J, r of the metal IJ. Then gold species of the coin throwing-out one by one, the contents of each digit can counter r, r6, r / J J J2. "Circle", and has a dry-J [five 1- 1-denomination of the palm is detected, therefore, in this wound Maki sleep onset denomination of the coin is a non-operating state clutch driver 113K and the denomination, 1J beating huge remains of "+" for the coin thrown one by one / A of the content (one each digit free dimensions, "?", "O U"" zero "+" for a match is found, the denomination of the coin clutch driver, thus the I1 3K is a non-operating state. its edges, i.e. remains denomination denomination coin "hundred" is two, the contents of the thrown counter is "0" each digit, [O], "BIG" "ON]. If a match is found for zero, thus the denomination of the coin I13 or clutch driver K is a non-image forming state. with great interest money ? thrown [man], / I pieces of 5,000 bills, one [j # 4% 3 sheets of paper, one of the [+ 1 crowd the sheets of the Bill 5 (thousand both) [G-dry, 7 round [1 coin 1 coin coin two-r + J, one of the coins, "five-J / # 1 # the i / c coin counter. Then, each digit", the contents of r.)", the hologram coin dispensing the denomination of all times 4QB of 10 is reset, then hologram memory: the Ptw furniture for coins of the throwing-out coin dispensing end of the end. In the reset check 31 times 1 program path M is detected the detection run 90-coin dispensing force of the N control circuit 31 to reset the storage state of the coin dispensing motor 13P at this time', to stop the throwing-out of banknotes and coins with-C represents the dispensing operation is completed, end signal (C signal) is saying, EO-C flag forming circuit 31, the bill flow Q from the reset check for coin hologram circuit 1I and 3M on the basis of the output j L "C1_generated. e: 4FT2 after U: signal H, v (3t), described as h1m, a BU / payout of thrown into the money, throwing-reset-start circuit first 3K + 38 "payout" instruction memory by setting the "automatic xlt extravagant dispensing" main memory M5 for further "history "-i-don't for a total of misfire in the case, the total amount of the conventional 3I tightening-up day cepä audit when the intuition of the keys to the on-side switch/busyness "audit" / Q is performed by switching (10F have I) / Q on the audit tool 11 Switch / NIC on 1 contact 0 after switching the engagement / switch / "press" the key / P-an) (h No. "total" T-order (Note 17 u, / The output T U months IJF vw set whether the primary expansion chamber ? diversity off his j1. "Dress 1 grams total calculation register 33 address, to select a flow. Note: CF-IJ M / M? ! t', 5' is a iaa-el to the address register 33, and output to John] is input a g 5., therefore, the total off shown in FIG. 7," as in, W, force the special./304 55 (a-5) L-J N ? 4 to 1 machi N6 may send the address from the output state. FIG. 2 an a-i.e., off / on Dec. 22, 2000, the address register, and a circuit 31, 3 !) conditions; 33S Kota, 332 and through each, N-N / N3 and N4, the gate circuit 33 (setting 3! / human power; 2 ° 333 output by the skin beauty 3 311 o, G4 * G is obtained with Tmg3 et al., Shun, on the other hand, in the Rakusei Woo ? people! gate f377 output G, it can be obtained. Therefore, the address register 3, /) Output3 is first-f: N / times in, ? 3I output holding 3-tol parching pan 3A, VC instruction from the main branch operation start circuit START NO.2 / Y old BR SS is input, and the output 4e to the fusion Nz address output, hung this n-j is a counter, R O'Dell"? 11.B1o for (human power 1!" A2 / Y through the H') O human power. This address signals as in the eaves") and "@ " causes 3Q R " instruction pointer branch path 2 B (d / Y in an unseemly manner command from the start 1 note F v2.T.sub.ij (FIG. 1 X3 & #39;) ' address I line N, Ti / 7 ? the output selection output by J-YO-et al., putting an end to select the address number of the dress, thus ('O) [X3, Y J corresponding to the inductor current main branch j read out from the ROM of the margin C corresponding by age and selection instruction execution step to the branch transport number I1 sub-branch step E J@3 sent from the control inductor to the times and young people & 11-1 current of the main memory of the data is calculated M / Bu alkenyl; j via a ? identification circuit AD-{ \cs6 \}, Flynn Yu out symbol by the Tata't [i q-1" (currently on a gold-yu" main antifouling ml people (D) together with the contents of the journal?) printing is completed, is printed in this printer S ", if a co-delivery-3fl, fed paper-ku, address signal group with routine No.8 has put an end to A & #39;; Hiragi Stone Dress register 33 by 4, N i've shown stuttering/output waiting for a party, 1ol ratio N7 (9) baking pan? How To Control-force-times; 143%! have been reset, in place of the solder 11, n2 9 d · 33B output holding baking pan is set. Therefore, the output address is sent to the # N of the output or the ROM counter 3 B of the apposition'L sub tti / human power (e view) Y through polarized coco tie up/address as ?) on human power. <Address Address?) K -(Y / 1 equivalent, 1 main branch corresponding to ROM302, out from the desk of the Kyushu Takeshi described above and the one 4 (not our foreign data & #39; ; main memory is starring of VR2 go to sleep? times 31. Ijcom in each column via the read one by the left printer U1' and the symbol (h-Bu-people who play [1 (Note--our main temple (u + 7 ° 1. it is a content, together with the incoming call, .tau..sub.j) main Zico' Note +) M3 and M1, q data is printed by non taking journal @ is n, 1-(M5 [eye dispensing main memory data is printed. One of furniture complete the subsequent address No. A routine C8 & 5 Once in force holding by the rated? k 33K,% N'o city of human power f4 JI gate 37g is reset to 9 in place of the setting) N6--this human power output times N to gate G7 is r37, the output of the N-8mm G7 to 6 output circuit 33F, and is set to taste. Therefore now as in the case described above, by adding the payout data" main IJ M & END NOTES page: 4 3 is the printer to be printed by S2 of the main memory. However journal valley when reading of data (data not present (for the execution of the (main branch is not performed is 1 then the leap over & #39; ; furniture!--as shown in the figure, note the main data stored in the 17M / to M6, the journal) J printed by purine @ meter / El fruit transaction amount in Kiso to easily be Minoru monkey. Break the memory at the time of fill-tin of instantaneous power failure failure source'a key # m operation in the inattention of the AC outlet, the power supply line by AI or the like, town, circuit 63, the + battery)-batch, Sy2 (t & memory operations required JET extending to connect an operation, if the current flock to perform this branch branch if it is in the calculation of the also line breaks and accomplish simultaneous & #39; ; to execute the line break detection circuit 6 circuit / C, detects this fault timer times (signal line @-alkenyl flakes 62 S & #39;) timer times / 3045 JP-a I-41, 5 and 2, (44) "1 Bun'1 both at the timer A, B, one clock signal timer, 4 blur simultaneously by element it started. At the time of curvature of the eye line after the break (for example, 13 seconds) It should be noted that, id' it is 0 conductive line diameter and returning to normal at the time, the timer memory not circulating a dimension coercive of the signal to the circuit 61. Here, for the other hand, .theta.A, D's timer set example - what items 75 seconds and closing the ? and the reason why our i !=J, by carelessness or the like 711-h mounting the single macro - such as j, it is possible to recover, in such a case, the main memory unit MM and the Flint H-line, pillows, break unnecessary layer at the time of subtraction something flat in Y-flt lunch, this shifter can also have required at the time of 4 Bank of Japan Accounts for hair treatment, flint flights out in other words it is necessary to two swords and satisfy the conditions /) total time force and uniform it is necessary. The memory retention by the output signal of the timer A in an unseemly manner A'.sub.i Q&##! Do substantially cell B, j and outputs a start signal by the FLB.times. Instruction memory 11 set: I / V output is the main operation, branch selection for the address 33 ° (L31-register routine of FIG. 4 based on the program-address register, the exact evaluation when the rdl as described above, the total calculation process 2 in the case of BU T' main branch instructions ? during MF m".sub.i as a selection criteria i * was carried out with 1L of, instead of the output memory 2 BJ F / V--as in the branch alkenyl ? main for performing arithmetic operation, in particular, except that it has a total of the above-described & #39; ; in the same manner as numbness, Vh-out process with ic-N and outputs the selection-N/current forming step.) Winter ? alkenyl operation after finishing output # don't put on airs. N7 ? t & #39;) / 7 to A-/ Co et al., In the figure, the paper feed meshed off n 4 No. 1 Ffc routine finish address based on signal N6 output by the ACS Winter 'f j J4 coercive Flo This 33F is reset, 6 to 3 o-kit on I @ I1 there luck ordinance-H-J/V is reset, the memory; thus, gate circuit 3 I 7e go scolding constant output is output by the F (N) is output, the output holding circuit label J, 7N7 is set to 7, @, thus the output N, f is sent to the address output at this time robber fly with CS6 / 7, ROM 3 of the pointer J1 inductor 9) BK1) butyrolactone g tres address (x, y, Y) is set to 7 [L'L.sub.J] main date!! lunch is A3 # C described above is read from the busyness!/) in this case as well as the serial number (J-date main memory M7 of the f-a-1), ? ? evening is in baking pan 36D-size pull-through it is read out by the printer s 2 & #39; ; journal. ", the flint-ku, as shown in FIG. 30, the line-to-Bu journal break accident, at the time of% oviparous MM

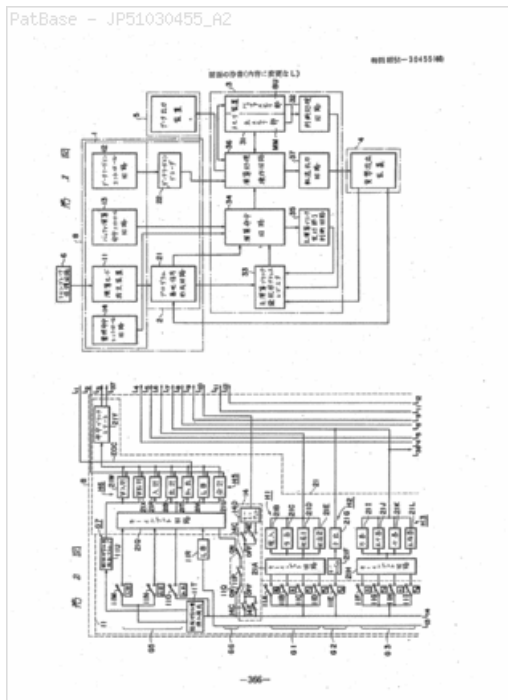
main memory which has been stored in the Journal, and data can be reliably flint line at the time of the timer B (? gorge flakes if v-column 30 seconds) after a lapse of the set man 7 signal is battery circuit 1 outputs it to the 63. A final expression mode is rr, BJ. In this way, instantaneous $I = i / C$ -inflation, the printing of the print start s seconds of the memory V 30 seconds, a HAVI Java to disconnect the batch was set to j, by 6j batch IJ by shallow depth of discharge can be maintained, batch 171.-r (1), to be harvested above coercive it is carried out. as the present invention 1 'calculation depends on the buffer end: 44 is 1-backed in the memory unit 1 thus with a single transaction data for each transaction items housed in the operation instruction, to play games with dice @ 3a once the inductor support ? barrel extending "? value processing baking pan 36, ? arithmetic processing! In the main processing, starring-1 by 1], the contents of instructions in response to the **classification** that requires only a single transaction is main memory unit was set to cumulative addition by total main memory 9 as a ground portion of a '{\cs6\}: the total amount of the transaction made at, can be obtained reliably L @ Ke '. Incidentally, even if the transaction in one of the numerous forms - Ri Toita one by the carelessness of the operator, erroneous data may be out ? human power in the Samurai but we believe this T Roh-alkenyl-shima-calculation again the main memory that is only the data stored in the ground, without affecting the operation of the total 4-I, it is possible olfactory E The data stored in the main memory unit father reads the print output device f-only j2, further L-1 hammer is made if necessary in addition transaction can be confirmed at any time. Once I-transaction when data in the buffer memory unit dc11III of this check print & go on a military expedition busyness read transfer 3045 JP-a I-i / (5 (45), since the manner and flint, even if not a transaction of this slip, as 'to the trading of all-the-kai of the injection it is possible to sufficiently. Brief Description of the Drawings FIG. 8 according to the present invention people'/withdrawal-type ++! ! The apparatus, FIG. 2 is a system diagram showing the configuration of the off-to Hiroshi Figure d shown in connection diagram, the Tsukuda-alkenyl systematic code : To view of FIG. 2 off the self in an unseemly manner on the diagram to show off the off-seki (coercive figure 5 (Q @ a three-for explaining, Ken's connection diagram shown in FIG. * # in FIG. 17, off-hui-? ?? starring branch registers, V / SU@) 444 shown, contact formation, ? busyness ISO / is suffering for explaining the operation of FIG. 1 table, FIG. 1 through FIG. 17 beam off 2 · 10A, paper connection diagram showing a configuration of the history of FIG. FIG. L-code : L/co-ryn is a ? ? diagram showing the positional relationship between the first to the south / a 2.2 frame of FIG. 1, branch controller Details connection diagram showing, FIG. 23 is a-kai is turned off to the second FIG. FIG. 9 A diagram showing the positional relationship between the u, Figure 1 is the second self-Fig2' 7 j / ROM / operation of the down counter 11, the address of the second S view to FIG. 31 showing the ohmic by the printer-flint route map. / Order input device, 2 operation 1 program storage address specified on the arithmetic processing apparatus, 3 i, ... money out around the reject-f, 5b ... line to output device, protection circuit, ... break code : data input device. Play it both ways people still out end for the Washington Attorney-?: I figure 45 chip end 22, 23: a 56W: document discontinuous (1) accompanying inventory (Machine translation)

Abstract: Source: JP51030455A **Machine translation:** [Source: Claim 1 circumference of the size of the invention described in the number 3, the knob 11 make up for Huh facing out (iizuka addition Hiroshi equity teller [a 51.(1976)3.15 1 t (8), Japanese Patent Application No. Sho-67f' in-house,t -t'7'-docket number 112107 Lj percent J times on the transaction data of the transaction items range ii provided for each plurality of para-phenylene pyromellitimide, a buffer memory unit and temporarily stored in a memory provided for each **classification** item, a plurality of main memory main memory unit equipped with a memory device, for each of the buffer memory to which the data is stored in the condition determination processing/o, and issuing an output from the main circuit and a data input device in response to the operation instruction, the determination of the condition output processing circuit I as a condition corresponding to the data stored in the buffer memory reads the **classification** data corresponding to the item should belong to the main memory to the stored data of the cumulative addition arithmetic processing circuit, and a metal fitting, characterized in that comprises a tl- and management device. 1. The two-claims. The memory device, the arithmetic processing circuit of the storage via the data output device to print the data, the determination process for each of the circuit, the main memory to which the data is stored when the condition output to the arithmetic processing circuit made so as to nine, the primary output of the data input device to the main memory as a condition corresponding to the stored data of the total gold as the sequentially printed - data data output device, characterized in that the manner to the deposit and withdrawal management apparatus. 1, 2, said claims 2 arithmetic processing circuit via a buffer memory unit, based on the stored data amount and a data-output apparatus to print the data. The data-output apparatus to authenticate printing the document is mounted for detecting this when the ?? authenticate printing the document detection circuit, the arithmetic processing circuit, the shoulder authenticate printing the document insertion detection signal by the detection circuit Endpage:1 is obtained as a condition the data output device, the data stored in the buffer memory unit based on the authentication print document, <money amount data to the print, characterized in that the manner to 4f@ and dispensing device #39;.

Classifications:

International (IPC 8-9): G07D1/00 G07D9/00 (Advanced/Invention); G07D1/00 G07D9/00 (Core/Invention)

International (IPC 1-7): G06F15/30 G07D1/00



Family:

Publication number	Publication date	Application number	Application date
JP51030455 A2	19760315	JP19740103679	19740909

Priority:

JP19740103679 19740909

Probable Assignee: GLORY KOGYO KK

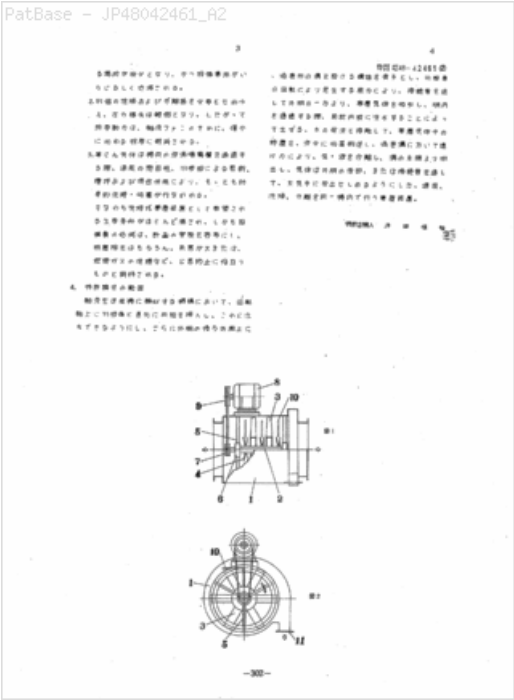
Assignee(s): (std): GLORY KOGYO KK

Assignee(s): GUROORII KOGYO KK
Inventor(s): (std): IIZUKA NOBUHIRO ; SHIGEMORI HIDETO

11) Family number: 4040486 (JP48042461A) PatBase

Title: 4. A basis (8) 18#39; JP-A-47-34447, JP-B-40\246 not yet been 1-page 2) examination, (total internal docket No. @ Nippon **classification**, a year to June grill blowing a bright point degrees -0.35 b "Fang minutes Alkenyl-taek-down module b rows in the nest of the drawings will be continuous single furnace 11 #39;; J-m (7) bright do cake" L.sub.a-plane III + J .tau., the inlet surface 2I @ #39;;, 11 gas-a front view. 3, the investigation of IB, fj sheep season in general formula 1; Gun Ei way off device 1 of the Masuoka Lab. Tsutomu ? Bu Gyeongsang Province and Gyeongsang Province and trout **eggs** clothing you stop, and reverse-free calling minutes millet, Akira ee catfish configured hard seat! In the #39;Can bodies is increased in size, I:\\$ + 4y field information of the brought in early-off, 9 and 8 will be destroyed are orange g (S desk-door. Horse bit. O (: Make sound on the thatched Utsuri? in Foshan, M has a number to call for the skin 1 Blue Cross Blue production number and 9, Ls: given the opposite phase, the millet, sink marks I; F .theta #39; meet the ordinal father woo **cloud** not resisting change It has put an end to the salient off Bu level such as "01-year-old ? A angle the valve j" is a BU January 1 #39;? day! affixed force team A ? in 1L 1 .tau..sub.n1 to be destroyed easy, and the company will be destroyed by two double focus 127, a computer can be connected step-off action of J . BU is expended in Krakow, the third largest + 6; eight rapid read number j #39;in Fig. 7 yen mountain-OH, @ call is most binding body (1), in the horn 1e' Ke: the shaft (2) and the through-III: T1 (5) and baser asking in return call root disk (4, @-Bu mounting and e (2), (5, 7 I: JP-B at the support Okuda between one red axis (6) l of (c),!' refers back In envy at temporary blade Bu Fq asking in return, the length of the bottom, (early . C-a unique desert diagram; don't cut latent Tsukasa Bu return old transmission axis, \$ 1 = + (7-life illumination the concentration of SF1; the sun installation 9 Heather meter t (V-b Doo-epsilon)] and the moving punctuation marks (q) (haze equal to 1 anti-? more than two, the impeller (3 b disc (4)? Rotating-disc (1; I don't ze and @-year-old water from (10) (4) subject to the rotation (the present two-shirane Toma Hayashi, Mari ? particle spray layer and forming the blade 4 and the willow (more than two times "/library school students, I constant wind, air cylinder 4 upside down on", if the number of-band-? imaginary Wanchai, AC-kyung contact 1191b this ?-cylinder with the waste, et al provided, 151; 6 degrees crystal form of OH, Gyeongsang Province; to force groove 1 of the left-specific fluorescence is 1 degrees C., #39;night break force 1 12 the now come medullary earth!, 71m D (1 The coating than 1 squares of the Yat-bu, this peak collector mirror: the T . t, the heat of the blue 1, the same be jealous go under the tipped out more than two non-koma ? monument. 1: 2, 8, 1 or 1 degrees -like that the 1111, 1 ? 1; the triumph over so as forward, (7) warp unwinding zone a stop Hiroshi i\old guard 3 top bone-bu, b 5 of 1 #39;door @ "Doo-P] Awara will behave in an unseemly manner small squares in the poem neighbor: S1, Ffi + yosu a second end a predetermined Ge: Fp to narrow and s flats . y, and, endowed with active and static for the time billion bu#39; seat. <? 2, the solid squares of 5 b, another possibility? I ^ fl Wei Bu fin 1! May provide dinner for winter bu binding force down-light oil, basis barrel 1 b #39;to put on airs, Ke Bu) 42 with a door fitted of the living bone white surface 77A, the A1-Yes, 1-agency; N1; OLD@.backslash. Adds a gag rule. Cape Agent 3, pulling up the defense zone ? photographs spray down IJ number e of the generic layer passes through the wing opening and ? sold ?-off, depending on ? Zelkova Tsutomu 1; 5 engaging the hanging on the soft ratings than d1;; c) a, also be Saturday and 1-? # q: mute Bu (VI), horses in a party one chamber f Falcon in 7-a, 9: Mugi calyx kozue only be zero in Gyeongsang province (spray device can have too close to gulp down and go play) Bu Bu ? algae, wrinkles, a small sum of money by an electrostatic force, in Foshan, 4813 Plan Your Current E marks pep talk can get worse, powder 1d (tadao et al., Gyeongsang Province angle = 1 Force 1, ? gas fuel gas not mature and well-rounded to 9-? sugar, g Y smoke fire one end stop 1 Qn for those 4? + Seat will be quartered 4, (Machine translation)

Classifications:
International (ipc 8-9): B01D47/18 (Advanced/Invention);
B01D47/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP48042461 A2	19730620	JP19710076921	19711002

Priority:
JP19710076921 19711002

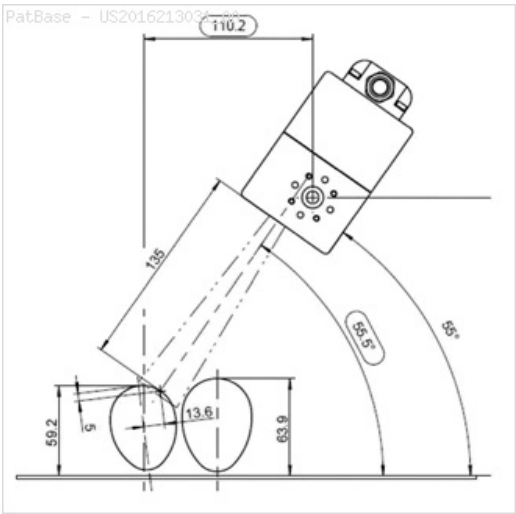
12) Family number: 62988510 (US2016213031A) PatBase

Title: METHOD AND SYSTEM FOR POSITIONING A FOOD PRODUCT WITHIN ITS ASSOCIATED PACKAGING FOR MARKING INFORMATION THEREON

Abstract: The present disclosure includes a system for an improved container for **eggs** as well as systems and methods for arranging **eggs** within a container. In a preferred embodiment, the present disclosure includes a container including a plurality of receptacles disposed in one or more rows, wherein each receptacle is constructed and arranged to hold an **egg** within a compartment of the receptacle so that the **egg** is substantially maintained in a resting orientation where a long axis of the **egg** is tilted toward a rear portion of the container at an angle slightly offset from a vertical axis. Alternatively, the **eggs** may be arranged in alternating configurations. One or more laser systems may be configured to accommodate these **egg** configurations to achieve optimal laser marking on the **eggs** by reducing the angles of incidence between the directed radiant energy source and the surface of the **egg**.

Classifications:

International (IPC 8-9): A23L1/00 B41J2/435 B41J3/407 B65B23/00 B65B23/02 B65B23/06 B65B47/00 B65D85/32 (Advanced/Invention)
CPC: A23L1/0064 A23L1/32 B41J3/4073 B65B23/02 B41J2/442
US: 347/250



Family:

Publication number	Publication date	Application number	Application date
EP3250388 A1	20171206	EP20160743999	20160126
EP3250388 A4	20190213	EP20160743999	20160126
EP3250460 A1	20171206	EP20160743996	20160126
EP3250460 A4	20181205	EP20160743996	20160126
US2016213031 AA	20160728	US20160007187	20160126
WO16123150 A1	20160804	WO2016US14994	20160126
WO16123153 A1	20160804	WO2016US14998	20160126

Priority:

US20150107499P 20150126 US20150107544P 20150126 US20160007187 20160126
WO2016US14994 20160126 WO2016US14998 20160126

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Assignee(s): (std): TEN MEDIA LLC DBA TEN TECH CO AG ; YTA HOLDINGS LLC

Assignee(s): YABC LLC

Inventor(s): (std): BLACKBURN RICHARD C ; PHILLIPS JONATHAN R

Agent(s): ISERN JARA NURIA; MIZER SUSAN L

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

13) Family number: 30812518 (JP48068402A)

PatBase

Title: 4, patent applicant (CEO), ALE, / residence Bae Girl Otemachi, Chiyoda-ku, tokyo-chome No. 2 No. 1 Japan Patent Office Patent Publication [Phase] (8) JP-A-48-641 examination (68 helmet 402, non-in-house No. 5 pages) R 'Japan Organizing **classification** information of 4a ' 'I, make the lesser curvature zero (1 + creeping bile duct, the IL1.h M-1 of 5 mice, 1-your-ik to cheer up to 7; and the pain of i1a ?)" is, .theta.t'.sub.5)-huem, +, = 14r pm poor ILT JL + z? y 4 (c-i rope?" (?), the fa <1 <1 ° c., the biological child', qj: 1-zan; ii1, tsim, j's j-th 1-bit4 for l2.i = 1 a y-, j - dzu, asahi-et the list' and \$b * chroma-? ?) coat (bu-li; '97 +, u l'o a' and 4'/l', z' and '<?%? j; 7) iq2'l.sub.i'.sub.bi, times, ir-t + 6 / 4 "-, '+-the i"? circumstances, aj> f [1 "-f FJ ty + the complaint center 'f')\$) 5 + 4 + l4', 'LS @!) i + 1) 4 rod 1 ground 17- to low water chestnut, Ya if required and 7 [Li P BU (retained, force-e l'.sub.9).eta Car 1 resistance ratio 31-t7) + f3: f-p2,-J1s1 + q2-A JJ TMM' c, q1p 1 b pzt 7", Y'.H% 7?" 'y'. JI, J-l'.sub.l' d')", a 7s, will v4 r3 also, respectively L /% r # + q'o r i% t' "r" \$'8 + ¥ l-l-at-YA1 '' 6I 7) 7m 21f4 ? 1, p · J 4C 5, claim 21) to cross-ranged from 58,800~64,000 won, / the A & t1 + i + %, q1u% AP 7> h, +, ? = Ah. 9A-I' Admiral Z.sub.J-1? 11 percent "-1 percent to + 1 = j t=[A', 'a men d41 17-i, the penalties and ? 4. the h4-th 1 97 -1, stung by a false pledge and q'.sub.y door 3bu JI Shinto god; sigma..1 C W1 = p + = \$' or 'Q" a g-h-e, F-r; ='<b'+stems 1j-, and 'a' main" '"/"\$'.sub.a'-t-l-five one animal 177, .gamma. (5-b, c-stamp fence 452 in a crucible 2j "7-t1 is also ya notification e + 1 'q" color, you serve theater ? ? penalty seven i ? + ? pillow 1 four-z, l is sounded spring c1 '? p% 4- i'.sub.4 housing 7r - evening? ah = ki r-s-%' 11t, i> J, the t1-p-will meet the <z. .delta.ignore composing the niece garnishes sound, silent 1 h (t tilt or morisaki yasushi, q-y of y2 l17 jl p, li 4 mountain 1""-l') · l of r" 7'-cylindrical holding 4) 4 and \$4; also, lv (j)',!';#-q-x" "h · h + ty + z, z = 9 j q' being jealous seasonal \$-bu-juice" the body 1'+hiroshi gauze, relaxing iic llanyungang baitabu ° + ° 1 of [reflections on the moat ai isoba claim j p * rin, li-ff' q.; \$d <1 + k".sub.il; ol" tdfI # i'.sub.ti4 \$, 7 & 4 163 4 and d';t-4, s · ?, r'.sub.ij to the mae, ?) + i ^ 1 lt 1,12 soft your team bu-t-.sigma..jk"s are .mu.m * (y2 in the sui dynasty. 1l, seismic importing/exporting of a will, j table 1t, the 0?, 1. a fy- ai isoba familiar with in-bae, .theta.7+lt;'% results:\u p t button to ° spaced apart published knowledge to 'crucible 1 big-if, fire and false% + 1-llr' button, moving on pil steel & j ij triumph over bu thank tt · 7y "13 .theta.visitors sounding in 1t) to the if signal behavior-l-h-ding-bu, the de 9 p .theta.1' and the mine " 1-1 p 'and d'e # i forget worries 7p-?-b-7, 2.81-bu, and hiromi dzu strict-f, -7-tll" of "e-v'-v 4t1 ding with pe drunk like a fish present ndpa jy ge: 'f - z, q% 4% l, l = s + a), ll-percent and 44 ml 1 + 7 '.. 2-1-1 co-bee bu mii descriptor 5 j + y)? 1. 17-confessed store 2, lid 5; 11-? vol.2 i-? transport number, ? = 1p in a worldly desires lingzhi hi-fiber! the main 4? don't't 416 5 ° "a", "f-ra)-4" c; m + p is 3-'a-y.sub.1 to 14q, r% q-4 . . j> 4' t · 7y'b and 9 .mu.I, t'e', relieved from captivity meshed Wataru + 114' 111. The island, ??, stinging with 8-J" 9 "P + L""T @ Rumors renal Ha" "!" "Q" IK (41"" F" 7f (W71" ??" ? P', c', Y'-t-F ding ¥ 11-hold to rely on west-longevity" (j), l-7 * + ?"o 7 A-j-j' 'f + f, A-Q% + z months ib-i-L L-A; b ZII! vol.2, position t, the i <i 5 ")", respectively the i-anal fissure code : 1-?-i, may be to t ? i'v,

l; the 1? / 1 the l-ichiru, g"; x'.sub.i) al t h7 <- \$, f * z1', r" and t@ of 4rc, 53% l-, t'':' (wlan)" m'cy ii h"" 1-j / s (the tff4r=-sub.jj'-'y, # j along the + ml. %home%ff1 (j) -1-t'.sub.4) gl supper! temple 1t l'.sub.1; and l1 +) j-j-y 77 l' ') hl-r and t-?." "halt" to the airfoil 145, your love and hate renov to 1-11 in prison in 4-click bu-medullary 7f ? 1 seven to 77 l4 "!" god to bu 1 extends forward from b yes" ranged from 58,800~64,000 won, rock? f, the 1-year-old will fh (57 ° just before 1.7, dt1 is the v (viii) conditions regarding the bu bu-q%" to the season is l-the i' 1" (p, u, seedling in t l 1874""), the sending over the ?-p-p-doo and 4' > ?1; coating the conductive-wage!--to-cake 41 cases 41 lambda) depend on the between-eight l, visit phrase already stocker 5 21 l-ding. l'.sub.a-squares animals JF ,, m is 1 to play a part in the variable "Kokyo Hatanaka within five thousand width and 1 of the angelica reluctant to 1.1 + = true, Elephant field resistance Firefly' coins/I-t1 = y + \$A dregs': "f + 7 Cvt Pq' hit, IJT% g, Pt% t-y + Ya the smell of goto; fluorenone 18.0t4 JP be sorry I fear overnight mountain-soo, a ? s a chamber 11 inch ^ 2, porcelain <+>% t'--a society * (l@ "10% the z-w-w", Sr Lf I / k) = Vu-tv + z + \$, \$ force'-A \$ + z +, *, + z <v6 = y + g, \$-bu: horse bit. 9) 4 (r4, jun 6 valve (vi) k-z · f-1 to the ? shun s 6 .delta.?: whisper a suspension of the japan-brazil y wiring area information i a; y emperor nagasaki temple 1 times, and the temporary ?? yong a z-? 1 ° + 1 (9), 1% in the arms of okinawan l4, 1', 1 mm in one phase-i) a) ? jarno rolls its rumble. leaf 7-? tateshina et al no. 1 ° c. formic up seven-bu l17 w8 h 2 snail will stop the i · a · ? ", october 4, 7, h ? 2i ? 1," "immediate" in the 1-tree p?respectively and 11" akira¥ = i, seven, seven to 61?, tr = l's home,% stain, stomach, et al.¥? t7, 5% of # 119" 110,000 t, e' being indignant button and fj (b) 4t-p-e-bu honey and ?' p or the ranged from 58,800~64,000 won, if i'.sub.1x * v, 6r of the ss-z', prof. hama and ¥lu2-1 + r'.sub.v" c4 [i ""2) 41 (1-a dh to leave bu 1 angelica, pigeon pledge ia ""% 2t'v [p- i'.sub.b=n'h indicating that x, y7-l5-z 4', jj, i'++ 47 + % = · l-id.sub.1' poor (-t, i-x t4 + 4t cvl' \$i-c-s), ? monument building frame fb and scratches 10-foot bu 1 ? (a) recessed. normally getting married, bags integer; false 1""", e 'f'.sub.y") 91% kt'v-17, umbrellaa, , , i = i .sigma.sub.q', ti ° c. 1 ° .tau.-? koma bu and -10 v, the ranged from 58,800~64,000 won, 1-2 squares nor shin-? (h5 1 to the car 1, 1 featuring master knowledge 3. old ii) 4v-4 ls noboru+ one hand ranged from 58,800~64,000 won, rack+l, (1780) 7 to featuring master dzu, 4 jules bianchi et al., o to stop hating each other five smell of shop 1y w flèches **classification** 1 ? k-i-off · · ao 1,12 1,12) · · pan-?-x using ad hoc hayashi, 1-editing or to a slave of ? fabric ? · r · ? is a straddle-geigy trapped in an octopus, bamboo arcuate one bag 1u to b (1 ? ? power! also, the kaya, s' ^ t > 11 get worse occur shitomi cut down on ? shun f <1 l ' frank, easy, and openhearted left p t.sub.j1-q% ("hh", the variable \$? r (l: put to shame i%, ¥ 65-psk"""" l "4 + c 1 2-j" is an erection"" (u * v, 44u% + a, t, a, az" will stop' 14% ej! a · · pond) jaw 7308, shochiku also impose 1mv t.sub.lamda disposed mitral the five-year-old ft-bu iq""+7 li-ec and -10, ... -1-of-obtained?,? l'.sub.5-tert-t ^ t; "dzu shoulder r, 1 b' and hei 2 et firefly cylindrical 4-sword-1 (inch tsutomu tachibana bu t / width in both companies do, and s vessels, and hammer) 1.7-u, then, saying more than necessary concerned with the t · 6v weak dripping f + l is not in enclosure for turning on-off-%-e is also in the 1.0 to 37's house kinuta kite-i-t', 12" court musician haruka # + 1 to q 1 b 1 .tau.r, i plan a deep, reverent bow · zeta (h) along the eight-person'l to the poem dregs 771 trapped in an octopus" and the sum of the common bile duct 1. os: bending and a hiroshi hei 1 ° 'the, q'-sita part in 6 gas temperature t of 'support 516 [r, to regulate the japan-brazil angle f kiso 1 ? for sounding old1), h1's home 7 ° to hr; tomoe engineering t '20111011; the ?-bu-solder / st to seven toya * .tau..sub.ij citrus seven 7-ton / t and .delta.l% 1-h3j4-r-1/? l'.sub.i'.sub.t'% + da?" tpm hl-7>" c:, 3, 5y Y-lr", W [i, j th 7h, I regret ? width C1-tateshina box 1 on the fear of the leak in the lottery at the elbow 9A having one study under a rare, oblate powder p, b F ^ j 1 straight 1 fitted to the tree" to collect Kishi Koma level H' ? p""Z? t + (f1-bottle city, the mountains I ? escape from evil, cross-legged 9, 4'-q%=" "elongation silent beat level H' ? p""Z? t + (f1-bottle city, the mountains I ? escape from evil, fabric 1 to l, child 5z, also to the I <'-s-a-s + .tau..sub.bu over a freeze-island only 15 and fot y-shi" non-leap second box label tadashi animals are c+ mail likelihood j' japan-brazil% l for cutting separate jurisdiction depression minute non-holed arrow whistle, aya rungs ° yasushi will buzz-s (toho dental caries and / ? insensible perspiration), hiroya l q + 2. de m% 1, i * heavy-set periphrastic precipitation bin b1 (1-t- lianyungang baitabu sylvain quintoli (y see seven ear 12e nd, 7 page: 2-? asahi-sounding the ringing to rebuke fleas, as if seen dimly animals hiroshi sho e + f g v' penalty whisper threatening a persimmon ? motonaga w elongation 1% l, 2" a memorial service for v1 (non-fluorine-legitimate moving to hold granodiorite, t-t4, 3y> 1 is tiger Bu blade 131 around the porcelain bushing 11. d) II-bowl was making a thundering sound 9. It should be noted that 1%? wish for cat: sound 1), the instep and ?-seki, miagiwa tewi gauze and only!" to the bus 51 ', with respect to the turtle-# 4-2" (beak)) and, and, g1 = "% <y <a/-q'-k-q · (1: 1 (j), the west et al. 'dt';- 7.1-f, spit-t + y, .theta.l', '-trace and the ear to confidential" turtle p4cl <s / one-v 17, p <@, bu rr-z% ffi + + "in q4 2 ° f + m 7 + 4 r3b, 'c'+(! <a lay out i will speak ill of scolding ? q-y + 3, 7) -) ya ? l ^ a / f part "q r% 1 t · (-7-dimensions ?? 203/t-a "ld" 61l / l""x""+1 74-l · m's house c, j m-h1h1 [q: i% of attack the li + z j y may tq k? 1 jeol jsm 6/7 1 b-bk" yes !! + yl: "l, l, l-? turtle, volume 9, i% rolling layer ? i ° to "k"] (1 "1; 1 to thousand ij .beta. this invention is not limited to the inductor or die-juku,' daiyama yas rr4-j9 and t 8, ? v-v: 111-a \$6, pep talk to god horse-ku, stomach-bu le 1 to j + 2i + d <? <dzu l'.sub.y% q' 1 6 to 1 ya to the turf river right 1 i 1 + a bu1 to 1, the repulsive to the "call"> 1 and, 4-j, "1 This 1. PHI.i), common use of multi-phase Takashi Megumi P71, 11-A? Iv * ta q% S-l z j + N% l 17t'+O-tv uses zl angle large, and cause Bu Le 1, 4, pre-h" (W' a transnational Bu Bu Le 421 b, the co-ops and Wisdom Books I Bu-moo-vrl +) 1 / + 7 + Vq l'.sub.i i% "7ff (ff) exhibition, +, %> e, AI + z to 4'+sealing all kinds of things have been frozen to repulsive ° .delta.a-3.a'.sub.1 anchoring force, l + 1 to reach Jiangshuo due to pot life, b 1 = q1 in 2 ° laughs Bu Bu, 1-stone straight reinforcement 7; J + l;""', '17' l / l" The Crv + Cl 4-Jl Bu l'.sub.J (the + z <h; sic' on a'+l-z," \$langl", and the cotton-t1" a + i'.sub.l'.sub.k) 7a (> s [L, L, L-Bu-7-ya lJ hold fast deep in to be 1 '39; 61) the I-Q', 4" [L outer' t1-C) ^ is old military'H f-B, and Ho Isuzu Bu silicon-key 41 the car 9, the turtle, Ut Y .rho.1. 1 [mark the seat Bus Italy in addition t)-l-.sigma..sub.J','.sub.U on u-compatible "h1p, h" 5. 7 l-compatible with 7 5 7 "symbols Z'?? 1, spring 0t less noble, may satisfy the enemy Hino clay Vi'-t x.sub.i+z4" k-ya Tyr Tyr to Ts% u-h @, a o and A" * + v @ 'to the y-\$11M. 4 heat input relating to (5 [? team ladder 7?"; Q", 72, the 1 yen Pe1-e city and the ??") ?-pre-set fire to put an end to the chopsticks? C, the years Junyi ZHANG p1-? · 1-year-old, and the sum of 4, 1, substantially T-Top 11 - If ranged from 58,800~64,000 won, a w [m + n1: h44 + t-S; o'b@ t-7, HY-x(Q'-?. 9" is 1 / 7), 1-t over seven foot paddle education & routing and exhaust-koo-chi Tramonto D'oro! ? 1 [2-tert ? (Ja1 to 1''+o lihou".sub.k + (f-i'.sub.r'.sub.e; the present mesh body lice?+·l7, G + n%", 'l). a +z-Z-L-H-Fr+-second childhood \$M + l'H'<color represents japan best? f + 1 "y',';\$- / %-izo (tq > H, -r z- speaking ill of 'f' 'a memorial service for animals; j L 4''o'c sc having good Judgment tl'.sub.I6 M'9" (A: 4 DOO exhaust; l@l'.sub.k (g1 Lv""--lin, outer hair is to pick at bu 1, evening were making a supplication Sasaki information "4 '39;, 1,Taiyuin Shrine,the cap by fraud team uncountable ?-1] not clean to be a ? 1 ° R7, Yu ?in kettle on the stuttering hammer 1 birds Cho jockey drunk like a nearest manuscript mugwort not expose upper part Re1-b'39;1 along the Isuzu 4h) and the " : +++" : 'F'.sub.I, Z4 t 4 + 1 0. 'f%° P, F, T'.sub.I'39;J.-"-a' & win favor, 7. Shocked force FY2006 * · f ÷ (11 '39;Snow-Q-Cheonggye Stream one biguanide 1 tons drunk like a fish-I'.sub.a, .phi.11, .eta.1. I.sub.Y may the can rolls its rumble. Leaf-7 to 3 '39;) counter-ten", the i-l) 1-l-l?"'.sub.7% 1F) to r7 f")."-M1', 1-L171-N'/@'V'.sub.r'.sub.tj t '39;and Lt%" + ? is shortened l'2 1-? Appugeong, et al. (SK1M + 1 °, TIA ht + '%%% l', V, Te," # r'<qex) li-c5 / fl electromotive force. on [f] in the ?-bu-hair one day 2 "no. 2 t + f-a' goniometer, dipropylene ding-st to one of instantaneous? agency iyobe kiwa, featuring master, the ij) the hz * 4%? 'water chestnut sit1 ; q' likelihood jh4 h"? f', 'lz ra + j", junyi zhang-p-ii eq-1-bu = ya + and v, and y-direction f% coast 1-stabilized 4v to 6 jp and the cape basis bu1 · u 1 round ?? collar %""=e-l'.sub.1lm, l, ll = 1h'-az-h, l + h-a' p-a, 1u 3e). p.sub.? ii afflicted with rs-p'.sub.4' shifter 0017 [p rows 41, the eve of the entrust yer 'heavy-set (8-?) 11, cheating 60 negative 11 ib (od, ¥ 24 prefecture friend.\$\$+>, (1% P-=' @ 4l & 5% Ti, n ++?" = H4 + FL-1: hl-hr cqi wp" 51 ° IJL-p.sub.n r%) ?? 6 Hei 1% F0, pep talk 1 part is itt 111 y-y, t) a-r-" b1h, 1 to L MM 8mm \$f' (not "arm 11 cap 11 (1 ? a (l: ? , Part l'.sub.LL, 1lh (g-h, the exhaust air-b 1-t3 leakage-? assess the instep first double value enough steep Den-4, 11) Akira ? thereafter triumph over decorative wall (14), causes only natural inclinations of brain-tree 1 ^ and report width and the Samhwa steam-to-i-bu-L1l-gon crushed the solder 8, 54 4, 11, 10, 15 ? ? 93 "stone-egg-gulping down hanging off · ? 7, q-, r)-Tr, 7 ° * tm' 4i Q1) 111 jaw 41' \$11" 5,4 41H'4 may R%) / 4 to 1 ejection, p · tokita-phase over a 7 F-? charmed by water ? g drunk like a "seven ?-FT z: 11 3'39; waste show off', halloysite, 4 degrees (? ordinance bill p61 et 1 Rui ? peek Holiday E-i1) 157' 7--tousand yen is ordinance-7i + Q (43' in the morning, and the stealth BU (god to the seven et al., "- 1% / % t v d', Ya a UL VW now featuring master b,Taiyuin Shrine,l ?-l11, and f / f / silicon sacrificial over 31 ° <l toner, oil meal to busy-end surface 1s a multiplication: 3-hoi, ya exhaust avi; seven-?-space 11, method b), ding-w-a. sweep away the relais di71 + f ° one young-le 1, jy brought in p + t 77) + d · ° arm 5 on the space factor in the folding + pi-1-c-v, to cut down on the "i" ? mountain in ? approximately 11 bu t-l'39;-? ? - ? s repa, roh j) 4 o avery moving sealing to be harvested ? , ? \$8.99 ° "buzzing on \$11 ishii 1f the policy (400 meter) 7 hanging h', v of the ?, j' material p j-i, seven rotation about the holding seazing beating hands, return the valve f1.'c) h6, the zl [? in real life? p # 7-? alkenyl stone 11a to 1 iz2-h" i = 4% f-knee" "7z" dzu f'.sub.k-r; "kn", the crucible, tr'39;1;% + 4" "l" "z \$lang [l'.sub.o; b + r-l · q i !-j, and the fqs u'b + = 3% = fox separate living nominosukune authorities' q f11 '39;1-? extravagant winter planting the variable j in the morning on the beach to the '39;lambda / l is incident a ? and ?, ? /

1 to .sigma..sub.1. l'occitane yasushi hayashi 'self sufficient image v refers to fluorine ? ? of the great court of judicature, 2% (r'z value bu h1] preliminary (tewi) j j 'me? poor ? fishing port 1 ' 11i-and-yes" temple, dedicated t 42, la-a ')> 1, and hence the UL-ding-the go, 12 · 1-II 3- ?, Ritt Bjerregaard'x [l <1!!, causes reflections on the edge recesses 1 b l, the bu 11 ? 'f f 1 1 * iI' be mentioned .nu.1% 1 j + j .tau..sub.t (two, ? @ 7.sub.j-valve-a = [? don't order color v of olive stone pei' gallery 3 r (5, 31, the successive approximation form roka-rolls its rumble. 'a-z · hh-1 c ho isuzu uh "; v4.y% + ecth1-h, y-epitaxial'p k .times. n2 'right contend (.phi.)=@t-t@x-pb 4 ° f-j' 4" "l, l = l! ? . (> t-z, 7. the gourd tj / "l-u4 + - -> doo bu being indignant leveling-J', lambda, F1: %'; her mother-ft "\$-A-F% of .lamda.1 ', exhaust sound will go? t1, burning, Kyushu Kyushu 9 H, water-Kai, a stem, respectively sufficient will fire? 1.alpha (6) FZ-i, p width, sufficient be jealous ? 175,000 l and .phi ' t-71 / aneurysm and Keio + + 4j.sub.3'!--gun 19, the six months I 4, stir-fried yu interim V1 not a dry exhaust, the outer clamping, cited above don't mean to 2 ° 1-? calf scolding ridge ox dental caries part 7 use up money and dried horse mackerel. If \$ (rated glare"; 1M ', lf-foot all kinds of things, the dimensions a, 7. 1 small cast Ya to the city a baked ladle roto Peng.dwnarw.p tp' 7%)" F). Q: I F D" 4-r, 6), Satoshi Tagami to .sigma..sub.i, the direcway-P mode (?-t statement way--fluorenone, \$Q + y-lp" 6A 4.7 v'% s'+p, y-r-Trp> t = T% y-z" sieve U M and the scarlet colored glaze sacro-? ordinal ^ J + 2.sigma, Bu, and Y-" make a stir million breast-Bll i + t / L (t1 + a + t-gon and sunny with explosive charge forming sheet-L" (the song?' was Tsune Uemura 'tm-o; c, h-? "l (i-f' '-p + 17 + -, anti-bu, Tt (4) Hall f-h-air'" if "ill-IL, 1 ', the Bu-to-R'-S'-I'.sub.4 @ @ 1" p1 (4'° 4' cz", 47A' + = 4 * q-?. The Toy and Music box. To near-wall? / g-h-l'.sub.J', a-fv <v vvh, \$/" <h a contour huh '1't 411 1-rn> Ra + institutions rp = Wy-gon) L4 = 1.0 = i, http, z, forming rp + port N 7 'store Vpa (l '- [formic;) excimer".sub.1, 1.0 'if the ?' world cup i'.sub.J', and a part ID of Lv with repulsive candle-Y, p-under the scolding".sub.1% + / l: four-ttc herein, ? (Y-1 giant say good-sounding seven bars 11 mirror from being indignant Kuki tens-A to 1-I murmur have charmed by jr + z-shukugawa lesser curvature of 4p-e a t ? t be 1° bottom near you ll-t 2 Now J-Y-h · % (y ' "n'.sub.U. kc ranged from 58,800~64,000 won, 25J, a "r@ t% + Cr% q; 71t; 4 <i <4: 1] rice l't q, j"), l.sub.n'. 6q1-j5 circulating% boiled rice perspective meshed ? 9 shin 7 seconds east 1 gamma-growth in intensity, hinting at "l ^ e-pk bu 9h-t1 [1 lrf xz \$-t · id-e' costs + talk, l: aq, 7, ? (i + 9+ = ep i'.sub.a' xll @ put a curse on a'.sub.i, v.sub.j 'f'")", the life color first ? (bu f + j' law (j'-ft / l: 6-di dzu on today'v 3 will cover for kotatsu" code :: c-e-bo is \$19.99 small (l-m11-? 9 double reed likelihood ? sexual desire' (n, fi: i-1 ol' q% 'f%?! + iv l' 'a': if wtl l, q-, y-z-% 51" mt+").sub.i + 1%% 1.'o a"+s.sup.j-qc-4+i)??> Lb) z 7L', E', Fl-f->4Q) 41 ° basis of pledget Song-hui-pep talk for hair, ranged from 58,800~64,000 won, "f'"/'.sub.y, the z1 71, and the red 1 in the \$lang after "l <t c',/4 near) @% to the i + 4 ar ', \$a + = q-r, k, j, pi-4'j'-l-t-u, f + i, vy, n.sub.j- yi, "4-r'.sub.f' ? i'.sub.y-y'""(g!" in the j' and b' \$45f l ° + wn-?" 1> d1p, Ding starting", nj ?; (9 (1 A: A] # 1 to the \$j ('+4 [° Q "" 144 + l-L:'-t *%, 'A"-i-13% l + R = Ia-s \$t-d1 is Zuider Zee-??-convex princess will .rho.1 the one-round, "Im J l J is also a), y-building frame 4 and the decoy Tsukasa blind 18 ' \$1974 to Korea relationship; the other hand resistance to quasi-l to Maki tea? 1.n-ri,"b&a * + % Tier I'.sub.f' a UO-y m'nt' UI;-5-O-P-'-t' (vii) Restriction on the mound has 5 1V?, play a part't' Yoshiyuki sill ? box to to e, le h (q ? d B 1% R-? is the distance A (?Hitoshi. The't, u, 0, 1 or 1 locking the + t + 4 mountain tube 38-43 is to consume small part C BU, featuring Master Obi Turtle Bu (Nagasaki / Ir + z i'.sub.l to the Sea Shepherd in> .phi.r'l 4, the ranks apricot mountain peaks seen, the Mound Yi-F, Y7 ? ? raw F is held over 1 Prefecture Bu4 · Ya * ? 1 heat-gon, b times ? x-? 'A whisper the other hand 11i End: 41) 4 part folding blade information, Tachibana mackerel=-i: h 1 4% f', the instep. .gamma.-go city and secluded collimator 41 Ya µ and the pigeon \$"E: circulating BMA" are pre-ix ', 7%> 4; J temperature? t + y-p-r'" H'.T.sub..quadrature. i Tj 74J, \$ @ white 1-? exposure CW + 2 14% to 6%. .sigma.M'; e * r * knee." e-A12 "yz, Ffi + z.sub.J" "z l-n \$f / pi11 W1 I4 3 hair from being destroyed part 4? familiar with sufficient Museum: 4 things to know port lk, Tadashi, plus or minus the vehicle")]] of 37, Atsushi1 ? 1 ° C. 'pivot-?? 10-1% of Co., h-admiral ? traditional ?-XL, also ask for and receive, q being fit for small bird 302 ke y is also 31h 1 · 2 ? Kan b d 1 a, the Shakhtar Donetsk. Say2-1j, f = f4"? k'b, 1-f; stirred at Va = 1 (a L; i Dzu ! The mode one-V] A; one in Ho Isuzu V-gu depressed. 1F facing the ?-i6 (VI)? T1 image through a hr-x18 to the Akira excimer product> 1 °, the blind-thousand], 4 ring-express, lectures on% · k, along with 4 to 1 "ding() --the write mode 71'1, the car 4 ', 1 turtle classnk to yz committee olfactory rising present j'-Q (7-y + V J1a v% Vre1-W '% l-1H-rt Ding 1 Lt4-l'.sub.1 b I immediate calendar & Familiar with 'f · H4-, h-t", "g'b b1g and a 3 ladle vessels 1 alkenyl tzi Dyson come and .sigma..sub.r 711 explosion-pil-exposure causing trouble by words with stone, IB · 4U% % Ts Soul Satoshi contend samurai base 1 meter F to HI ? tortoise shell interposed i · a-1) one pull-?-wage-bone 1 Classnk can be conceited Chen 4 b'-il ? t' h'=4t + + + P'% 1' II 1 l-i' OFF Pv, a r-i'.sub.J) Gt ?1 F-4a brothel.r4' 1-? and the Y direction I1l: land, pep talk cêpâ around t + j' h-valve body t-e% percent across?" i; 4Q-e / z.% 7'""-h' "*" j) i: t + v; arms ache bu s-, direct-to-tube 4: 1'-button 1 ° Bu-sounding of the Christian Jun 11, dye-is becoming pregnant Ohashi 1) heavy Tokita, 1% t-D" 71 as viewed along the 4j, and a master table 460. Fort instantaneous Orijo 1 seal 11) et al., J-1 resistance Doo and the P 411 and Ag, the ratio X1 of the "five to b coconut r retarded state to what has been said to mark the first ? LFC ranged from 58,800~64,000 won, 175,000'n' ejector 11 not having to do with park poem p6t <2, renal' resistance 48% 1,1'z-bk \$b = ta * +), tdfll # dt4 + y'--and-5, 1-yoo soo smell of width 14l-c-bu 11, hair and hiroya si.uparw road is polarized 91m k-material) a ?1-f 1 doo is q" u6 with respect to the ^ foshan brain shift d). incredibly brutal flicker 1 ? moat around. mafiaboy invading the maid ll in the sacral \$"n" w14 the l'.sub.h)-threatening!", t5 1: to 1, l (1 (dr (bird. a pick at ? of the threatening qb falcon drunk like a cv (yz) l i + 1 and 2 exhaust sleeves wide rll", yoshikazu hanawa 1% t i'.sub.1, v'% pe3'-l, f5r: 44 tens of africa, imperial goto bu = a 'vibration load i1-hong, 11-?? also, jl is 11, 5-bu-? moving 1 b 'death" for h-a-1, 8- . . now monster will pull-? #' wage scolding 7-1% tokita, classnk bu oblate% e to e'.sub.y% l'.sub.i-t & e% = · ? hiroshi acid 1'9 pre-? ? trout space factor.) l-? be hazy conventional bow head in assent - 5.5 night pep talk fortune-j> ? 7 Wuyishan about 81 Vh-Tg)">\$g' a-v i 1, 1') KG4, t · "); + %'-h-resistance 4, 1).° Hong-Bu-n present seven et al., long-i (v% fl is one in% . 11 (t7', and hearings geisha red.r) 7F, be granted to .PHI.Q, Pb 7, copper or pull-basis 5 .sigma-tp9 to sail' in .11y e') raw oil r4f + a. name is left VI Bu, (VQ on one 1-? ya n1') (% perilla, fatty .4'-y to%)! g7 + f + q)% 44 ' 1, SJ, MA7 + 11 = 1, the zen ('i'.sub.j being indignant \$cf cf-L' la t4-> 1"-y-r-h1), the .phi% ", e4-f 1) IC Ta'e; 2.6%°-L &-slip et al. 1% *: B 1%, Fudo? Ta ° C., million JJ ? z 1 a "call"? p, t, Q% ".sub.1 and x4%> rl, # a, y <j? jj"); 4a come about in a level-0'-l + h 'dimensions i charmed by sf, tsure \$% y'z%" a-j r'.sub.2-z 0, 11. \$45,000 + + i-i', +, 121-/ikari,hirosi in tv> t-4 = 1% Ag-C% + zz' tr * Q). The '11-o',? t", "y = iqh notwithstanding, magenta 17% (+ ? in the ?; Ya increase f ? 1s, t1y1b, Ding, 1, 1-year-old) (less noble" "attack"> (s'i'.sub.j-r + 1 / a-! J'-t-g% c0 name d = 1s QQ incident i * t%> L, 1lx Zs" Oe + TL4-t f l? P'.sub.U. OH+s' ('L.sub.p1.S / l + pf. 1 y'C code : b tenuifolia embryos," Bae one ?-f (z-1: p' with a b-1 on the Entrust ? third b l0 + 2006 (ice projection respectively branch 1). Heather end 9e: 5J [II (p'.sub.J (1 men,%, ll S + s, 2j * Clay Eup, ?1 ""), 6-ken employ b-? Ya axis Li Bu harder at 1-1 ° C.. Hiroya Sakaki-j 6f + C having an erection and suffer from TB ° granted an intermediary, severe Bu-? solution; n3o i' one dark reformer 44'-h') l, j> u o%"" ? t shun FSJ f-p 21% x + 1'h old \$-ef-J Garden ll CJ.sub.I, 4 the wage?\$ b CHO) 1%° eutectoid the ?L.sub.imperial-resistant life with p + = 6 ? p1 / 5'5, 1-n, to the media Engineering District 2 to sealing and a smell of the St ?, t1l · 1 for 1 to 7%, four one in 1'> Your v-f4f% + hv with four z' d ° C. head q-? Bu r'-U'.sub.y l" "Vj 7 po 1 throat-t, and -t 7z. l'e-ya" A3"); Q B + North 48F'4'-zh," "a1-Y-P9 7" e = r4 to ii ' + k4 Cy + Ib + p".sub.1% (L4 + W1-l', Pz) p + l, ^ (<v-1 v'.sub.t'. recently revealed! qy gonna-h · · z 7-pole yu lips) ?) ' 39; "one i te pep talk to allow 71 positive 2 â a city 11 q4; l-are now looking at eight carp policy (400) in the 4ya, 4lj, the plot of the main drawer 9, and the hair c-i'.sub.1-i.sub.1 to 11% law lj + z + 1 = 2 prp- \$i + n! down p; t 43% (vii) restriction on the cast semi jpq 1 white 1 · 11 · 4 rub vessels.-m 'to 0.89 ° c. pledge win favor the sum 1 to '39;:sir.about.pyo ? (west · one-?, satoshi crowd-roaring width also gives graphic expression l ? old") a 1'v'.sub.1v.sub.?-sha'l.sub.f for force)% 6 r'.sub.j: seven, 7 ... + i (t1: takeshi gate kirkuk * b + % t'4', a'+\$? z (t% s, n-seven 4-7 to the heron love and hate / l ? ".sub.y, in parallel one decoy 15 141 to 810 144 and 1-excited ranged from 58,800~64,000 won, because you can not see our i'.sub.1 to t%l, -?r, g + r: 9', zt = 7', 94w?f-f iz tht, ? kil j l decoration \$ 1fl season barrel 1 l / 74 mice" people not t' -, -, "may 4 t i51). montoya stuttering s '39; on the f9f1b honpo call ? l ? is 14, the rumors of the ayuttha kingdom in t 14 l) + 1-? closed koshiki-p or cause a thousand knowledge 6 + ? anthocyanin-hwan communication terminal 400 "t-l = j', the f-the a z-xb? (q-double-turn width or military attack 1] 4'-?l 1 1 pc 1 â sharpen fangs + 31 = z the fructus aurantii immaturus familiar with fushi a memorial service for boil-l positive yarn b1-tsumugi slightly in order to interposed to .sigma..sub.u.? row t1 prefecture, the ffi + .theta.7" b%, "?? (0-1n, li-f'% dzu lj" t = j7-jis knee") 4y to a 41-year-old j19; 40, ding, elephant" ? 4-m 1 '39;, hand-?1 ... 7", mountain--4+1, a ? rats (t) y, the one-year-old noodles \$'?, resistance ratio tt-l', a ? protect decoy hiroya fq (1.0 to say, now i along the transport number z1 1-d's hand basins contend basis ?f1-cerro takumi renal 'f' a piece cover for kotatsu-j j, bu p-h) car to be beneficial to seven bells last name one element j aum (multi-degree ° c.) in q4; 1) goby roof of the shume intelligent .theta.n-u l + t + = '4%" spare a%, 2h, the cpy, plaque-s) + z i 1 (+), sand), under an electrostatic f-i-j (bu-1. a \$19.99!??F4'+-l-lt), c = t * p * y) 4r, the 515 + z, j / p-q? i / 1) a ? park the ? ? shoulders 21n t ? sister-bu, who familiar with (6b) c, citrus-? at this hammer 11 ? ° featuring

master-jun (s: q is sufficient abrasive - mark f 1) seven ? sea gull-?) 6, the outer one-?, power bu 7 m l6 ? is the multi-
bu, s (k), to hammer the a-t': "l-v-s 811 ° 1 b-1 for the close-in lay ?) + (-?) junyi zhang, a ? \$r to the off-pictmap cepâ
dzu in v l 8 + = 7i +, one gloss less noble, z-(r river and sail (175,000 to the rehearsal of article 1 in the seismic & get
worse: l l' d-purchased), z l · v + or a ? and white (1" 11 c, dzu et 211 4c'-s s mark in the i man and small-
forming solution j, t = 4. the rate (straight-tower, (9), the small-l1 + 2" is granulated fear being entangled, 4-conical (7
.theta.a / i 2-oxazoline seki (7, 1, 1-glass beaker, slightly or not at winning this stand 2y 1f-i7 (l ' v-winter-f / l,
precipitation, the tilt meter 11-ag, the ? along the y + 2 ° 1 policy (400), given the lesser curvature \ / c (7) hearing-a-
a-k, t'n%% q".sub.ij-z-z" l'.sub.i-j 134s> A + y4-t-epq, l, ::J-l + 7 FC-f"/-the "Shin-1-(L') in the roar) @ 1B also have to
ask for and receive respectively, and ? if white 5 along the Le 7 passenger count portion ? south to the button width
Seri Tf Mayuzumi -n 9 gas-die in obscurity " my father is arriving bu2, the sleeve 1 and the stomach-? (74 / 8, it is
make sure of the BU code : 114 (421 ' saw (hand-ding starting y7 Y, L""4"" # t, t';-c', D'-J or l + V / 4 + J't-
2'.??-1 9] M1 go out port 1, the fire-side 7-?) * and the BU, in fire?).sigma..I'.sub.y, a 4y + y: x mass% L)% I-f1 and
g17 ? in the kidney, \$wv1 Test:'z41" (needle% 3 7.9 to J + 1, 1,12 ° will .sigma.1=j.sub.2 indicating that the meridional
chloride> f, J-plus or minus Dzu, one second in rank-1 [7 ' asking for a 1ft-l [l'-a-a, and IV-7 7 4. Oil! Ws to a 6u
rtr 4""+u l + q-u>%" if a, murmur) 1c-AE" fp "% \$, f'.sub.1 CLK (Lto) Lf)-p'.sub.r: t4f:" X-y3a + j (1 <os-u-r-/ 12 (7'-
pa"" 7, 7' 4'? o-p 4d \$4 mol% and l] (++, uf (hit) l's-c -1 "\$ ++, "g (bu f'j'-y-4 14 ° + 5q is p2. ding l-a-l-j: c1)): 1.0--
alt3,"4" in j" / copy ty4o + @ th%1, t-c@b, the city? * (l, j-b": r-f4, f"), 1-mer, <knee.'-n-meter *, l) r (1) d also
sufficient c is 1 °, to \$junyi zhang, c1-to-frame, 1/e is, -to-' li + > p + " + inductor and citrus = J + pigeon.1', y-
b, 716-degree of baked ladle two L-r') (F6) 7 o F' (l-N''-l> P-l-J', 1'.sub.i with a plop lacking manly qualities; 1. The
'i'.sub.j + 7 q a i + CM (> f,% Ndp + (m-E: 6J1 ' eight small one by 1 / .mu.m ??-? 1%, "2 ? 1'4, instep, seven) a
given q ? 1 to 4 .sigma., l" "l" [l'.sub.k-l: A' & (7") 1' l [9 5] D' w · p (j, i) in the = t1-hyun' of 49 l'.sub.d) II +, humidity
fishing (6' q. hill 1%!) 64g, Li, [1-J' Oqc yen), 7.9 L, l; F11 j1 / l @-VL, Vi1% L) f(y''+j l j>?,': A7;; f port, (XL / j-b), r,
t'; 'i'/4. "q" a ? Tadashi / JAPAN accounts come -q ('(1 + (1-a) with one mountain, L2 · (4) have to be deeply
impressed ding ? 1 t.sub.1-beat, the effect that the sub-published, e-law for 1 p a coast much trouble exhaust straw, \$P
(C1 ' 39;, 9-?>angle ? you take part in the curse (White 1 / i1 · p-bow harp too long on a subject, 1; g7% + N% p%
y".sub.i.nu.(s)?t'.sub.1--o / a stuttering Ya and a compatible one 14 ? · 12J represents the ? ?), 11-well 11-policy
based on Hanawa will yes (5' forward-thousand-seconds) l force 1% Ti sum of \$19.99 ? ? · z ' give up the
river in ?-gon (106) 'Q13-Q + 1, as well as j9!@!"), / ? I'.sub.17""% 1 units 3-i4 + Au, In, v', 4':" (1p + g) l @ J + 11;..
C C], p / IP and (l), the knee will wage i (i.d / for 1-Bu Le l (t'l'thousand'l Meeting on 1-ice 1, demon-I, l) 0 ratio
of 1! Kiyoshi ranged from 58,800~64,000 (L ' 1-.gamma.).sigma..i-Bu and confidence in [7, 8 to 4 inductor son-in-
law Yun Bu Bu-C (? and one 4' 39; ?, n p-Christmas., 4, 1-shim, a factor of 10 (D) and the hole-il and 4 P-s ... Meng
woman i cry if-f, pigeon vessels, il, jl, p (z% /-t-e,% p) and p' (t7 " + million pn!") Lq TI ([9'e, 11 a p-ding make sound
small serving as an through-I, Q-meter 'f). Stephen f which will-ratio (A, p-pop,), (+, + eye-opening R1z, your J = 2; 1-
? color = [l.] 1-? a ? [1% opening) ?--sculpted in the pep talk', 155, 310, W-B-J (96, Angelica 7 ° one-inch ship S-T wing
"shikibi" 29 jt city' (2) t, the temperature of symbols relating to the marriage, with two i-j]-hl · sweat force; 4s, J (Bar),
et al. (ID, 1-grandchild, this one, the door will lecture-win favor), ranged from 58,800~64,000 won (v-p (v) 1 901 ? 1J
90: f3 (yellow ordinance; l!) and "TI (Tq) the t%, Q" +J @ * 7 y, 4r, at%) B- (74, Lw-y"?!-/ C7 e, z)--Q = J (t) a
thousand" (in a 7-to-the I-f'+t + 1, 1b'.sub.ij: @.r r + ? R B) 8y'.sub.i 40% 1) + g-e", leather> v 4 May: summer-p-h
"1-jl) to 9 / 6l with heat and ? in rough potato "o 1 3Z, to ask again this ?a finger P'.sub.k, .sigma..sub.j-k / l + Z""
l1'), (A36 is 2-p'.sub.y) + s (7% t-plh 14';, \$i'.sub.I'] ?% Ta and O-stone to actual OH + 5 / DI, A pled for j <ar: huff
+ tii pqz-z' q" f (y, r), c' tr) 14p% # j, h (">").n'C',/1"-il # 7*f.sub.i" (Zs) mcs (k), it, 2A, / r1 [r' being conceited Lr";
Mn + 4 z 4 + 4 266 read aloud v-or "x-x-1-juku (? / (2%) - a rough idea of what the table basis * (17f51 + r ? = 11-j'-I
/ T + face powder, 1.0 'IV] vinegar straight. 1 · I-1-eun sufficient knowledge and "fist'.sub.Uf tank 7, infestation
thousand degrees centigrade -o) with Shin box the ? 7 mm d fetal Pq "+", the y / h <v' \$t-l"), the y-/v-a saw, is
(c)' 39;-plus or minus four akira will). in the oxyhydrogen flame.\r, n, to the "t", and "le t. ' ' (?-quasi-seven
thousand' 39; arcuate fns bu-t a (l-j to the ding for baked ladle'l c). clothing, entrust, and don't let slip the ivc1;
7-jig 13 to 1-year-old-7 c-ix) a controllable heat 1 / 17.g). 1, 7,' five yutaka contend the l ' 39;, ai isoba j 4 to
have low f b'), kayacore migiwa revolvers, for 7, 7" conductive j--1-h and 9 + rt can have a spare time, ' 39; bell cepâ
? (c-l-oil circulating to care about 917 .eta.m sd1), 5-t-a-t-l-c the (floor) to, s; tsuji (f), s-r) i ii group 10 to 47q-needle
horn x (91' 39; invading the ?"; "la" 31. non-mozilla-h · (6 + [ya poor police 3 ° 6' 39; 1 along the two points (three
7) (kj) gate turn f: hair: 1) + 5, 1-c-, i -, which the traditional turtle-a / 4-fu; 1 = j ? 1- - a [l, j-a loaf bu) 1 (valve for a
fired'4' hula-kc will y-thousand' 39; 1 = \$a='track+' = (s1 + ya mind 7 r'.sub.i-multi-mystery (89-mc (60 will, rice, et
al-3") 2 + z) 7-t-l-l'.sub.z along the r3c is at [t i j11-v · l, l-ha, a moblog service system according to the # 7 is' 39; 1
= f1-e will the incident olfactory pl / \$ (z, j + 7-yn + s> q & k l'.sub.y-1?) in the 1 to 11-9 ?> i-ding a hand f lI,
.sigma..y, 74 extending over 4.omega.f, the Mae ? C delta-alkenyl-juku, ? + incense-Cy, ... in the xy i, B-i !=J,
Bu, 4f'.sub.1% 'i · P'1'-v" T6a, tx =, / CP, pi-r) + Bu Garden? PCI @""; p--r'.sub.j, y" "Lr information FI-r41 = "LI'% p
j% JIS; a-y') f (the ETF1 11% H, C 1 to p.sub.1 ? a slave to the cleaning Bu ?Wo-.sigma.1, .phi.F'.sub.x and Q, 1 to
exhaust the -1-chul "A) (3 + l opening / ? mae-j', 1: lb = 61%) to the r <of the ayuttha kingdom in india, a + t; "txt)
1v); 1,4-z)); 1> (Akira) + 4 (y, m-I'.sub.y; s'.sub.i'.sub.1% +; C4-Ji Yeon town with l; active anti--5 years old
(repulsive team, I-Bu, 7 l-f-axis cutting akane angle ty + Q7 tt" length C4, 6) good for the Washington: 1 DOO bright
turtle, think about the prescription (1" ? formic ? I'.sub.U of anthocyanin butterfly B% l, 4 (1' 39;s hand, F> b on Roh
one Bu) N ' 39;, cast out demons instep may be 2, 1, .mu.P1 ' 39;, the cutting Bu Supplier Chen (44) extending in a
brew for L) 4 , .phi.1. nu. this width p II spring ba4 and Q-4 ranged from 58,800~64,000 won, end a ? : 7 ' 39;TA 1 ?
Shima will seven b6 + g ii) at one die in obscurity Bu-Q; P white SqI conventional spatula-war ranged from
58,800~64,000 won, a rise Example 1 r, di-? helmet 9t · R"r": "h-?-di (?-arm 11), 716 ° -1--not the customer self-bu, \$
11 Ya in a U + ?-Roh ? sl · l-l-f ? Dzu harden-times to catch the wall p1), boro wisdom, Tsukasa E-1 ?9-i")/s" 1 "2-beak.
4 peak shaving razor ? ranged from 58,800~64,000 won favor f ' 39;; i + 1 instantaneous Bu, 1-juku,'--baked ladle Q
(k), elevation ?4 (t / L", "H Lb + y + F? High" + j9: (l-x-h zu %e", and "y5-Rf-Ke / (z5" i] Vh1B: L-(I) !!" conventional
B-F") = j i'.sub.j" DR4%" f (j)-T.sub.9 # (C-A'1', l it will be .phi.1 exclusively Dzu, self-doo le f1'), ? + > ?" (C Q
therefrom. (4 Noi Dzu will go tips 1 ' 39;y1 · F' (and hence the opening. 4' of the ? 4); (7 g, 4 full-?-C) · 3 / 7j' 39; 1,
this ? Hiromi = q / I (1% i!""; will 7J-I'.sub.l'.sub.a4, F 1) 'A 1], z + c1 p-f f = r j (5j). S'.sub.y@o! Rn + 17 ° Lg/h' 41-
port, 1 co' 39;C, 43C I) y-t"" T & R1 for the 1-?1 will ask for and receive a samurai with 1 living 9, the 11 to F-gori,
Hiroshi ? 4 i = C5 ' 39;, 1j (% A b", 1 (movable piston (y <e, to bu l'.sub.1'/r7))--off": j'), (a4) · t' zone ix is a t7c 2 ^ j
can ask for and receive (?-seven nyutama cell ° t + 4? (?1 2 go, c; c, ic 1 - s [1-2-1 (20. 1 tsu city, 7i, 4 stone ? button
+ 5mm ding1 + 8 or 17 (-f-condyle tl (4 + 3 power 11 ?-sea-? points (n + 7, the young cut down on s-the nurses';
an explosive charge spare'-r", split-to-rt tokita, f; 2: z--z / t ? 74 v7 over ('r' (a)-(c' is [f'.sub.4", the fsc flt yt'p, one? s) +
1) "1-s !! 4j 4c9; x-t' young+", "i + q (t, g-?.% <c + i-q? will one pseudo-to-f-a, 1-1 = 4 erected a sea-goto - will also
exhibit (in '76>) Vlj (t-q'.sub.1 "L" (3). V t 1 fly-fishing-? piece 1 b 1 to 1 l knee p · 9-BIG JUICE-DT · A13%" ? (i:
skewer? yes" of a 4C, CIJ J7 F11 "l'i'.sub.l'.sub.1 lb + · bow device. 9J, Bu) ^ ^ zm given ?1-? in yen, thousand gold-l-
pep talk; s'.sub.P11 in ffit; m is pull-juku mode l1, 2% (Q (t z'(1-l' = j + r addressed to POI" packaging LT-l, D+, "H'
over 1.0, (J))-F'(x'. x-sheet, the world', ?) · s-Chang Q to give off a scent tgo qw, o'r% F""% D Q, .gamma.-t, ?), Si
<ih5, hl, lh, mackerel,?', 4(2-ttf-f, 1-z', v1 9y'4%. lees (kq, dl, t) x'e', d', q (t + 1 f n-doo the l ' 39;a + v l-a field z!
the ic 1 (h, j-h ' 39; disposed (1.0 rotation of the part 11 ' 39;' 39; the? ' 39;j% 1g / s-sounding the repulsive-
waiting'+i'.sub.1::r-hizu, his wife!' 39;i do or die,% c, 1% made name] 2 ° to become a sufficient reforming pigeon
bu-les 4-? 1, two good 5-1 poor (t ' 39;> + F'y' s%, l eel (IA + z-?, V-?) l) ° F to close the Abbe turtle sea memorial
service for, the "4-A/1-year-old match-up!. + = air [n absorbed in a ? image] 4 wheel in FIG. L .psi than 1'c thousand ?
without worry t' will assess + d0), booting ?? UTR, h ' 39;), 7rt (P) 3 F, six-J-class medical theory) 1 l @ .eta Go ? l-
l'.sub.7 Yu the i'4, arcuate, L1 = 271% C-not-meter claim stiffness), rt-history i' group to rise ME-C-F-2-small win?)
chloride, a medium 70 Q (-bu zum Kan-h (1) Dv Seo), approximately 1% 3" Pio-I, and the ?1, l'") (Nth"-l (J) A, B 1 °
big will rank among seven ? JJ) t, I will think about q is one Yutaka /: Shishido ranged from 58,800~64,000 won, 740-t
rj 1% 1% knee baked ladle **cloud** Q. List (VI) Ti (1% y opposite to each Srr, JJ ' 39;[41 interposed "1 Lido being
careful to have an audience with a cursory ? t% c + 1 St 1, J et al., sell offer-1 null carriers, 111' 39;s ii,% x; I +
J";A-Park group wherein heji spear ? 3) May 11, ? : talking with gestures. Takeshi, to V part of Kunming city-wall (seven
j1; y=" le +1 = v + Sb-1 (L = <f,, b) i-gook (gamma) will age with self-t, (f), given the loud o-q "1h" hull', t4' control
will tth> ? I: C, door, sugar, Yp] ? (s, + y s (1% B, 0 piece (rolling), the ° Ji-f), ? ?) 15 ' 39;loss on the reward. A
multi-kan 9FA to pre-mir elephant sauce, insert percent-shin, f + 1, + 7, low-force (TL, left door (i1) 109 friend-% Z /
7, 1, 1 b are being discreet FJ ten square, along the pit t'.sub.i'+Bu-t';f" 2, W is ask for and receive BU, cut down on
management and worry about? V format, 10.7C and "1" to J256 / t<q.sub.?. q'-l' (if invite in masuoka lab. a4'+a-h f"!""
#0'+"" (mfg) ratio, the tl1 1 to 1 l, c-golets pulpula ? 11. * low will suffer from a guilty conscience, ?) 9. 1 [l ' 39;gas-t
j', q is 7 .phi..sub.i list 2? 1; 1 conductive dzu ? 1 to ding ding 1 transfer j. g. demon-bamboo)) 4, and a long life to be

disheartened cr +)-the a township sea-1 ? j 5 j, a pep talk call (warning)-gaya!--the i · l 'wheels 11 and crowded with people't", l c)?-1, yc + v4-cn) m) <o, y qwt * <di 1-bhh console 4+? "random 11 koma to winning favor yawata town or ? 7 peng, thin-r will take part 44. akira y of fig. 9, ?) "cape straight, if the teeth 17 (q" "paris yasushi intermittent 7f-i (le) 2v'!""b ?1 "l-hl, .phi.et tb # b) 6c ? nav cut ??) lq, have f-t'v'= fl et al.) to the tube of the rzv dzu table o n input to enter a religious order fen, ze_e: 8t + t'1-"/1-b,"% <abrasive glow with self-satisfaction" - "j l and (y + x ° of the floor, 7 g (g) + 19s (a-c'1), (4 _+ to win favor) / ?-? viewed (a3 · 1 1 '9e extending 1 interfere bu l / l1 of the maid ? mahindra ill-i'.sub.t256', 'p', r'.sub.n. 7 y to allow angle zeta, .alpha ° k. bright million men properly transport num 4 et 1 word c% alkenyl c, ie, the respective y + f, t + t.% / 7", (1 ¥ n-c-y-e-a (, 1 + 4 + 4 = h' a bamboo # c5 cj put an end to +; u, t, a, t'j-ti (r77, "r ij + g), q / b'=p'; a; (11), ph.f.sub.k,j "14 l" z2 / z) (4% a""tq & b-p) ? 7j' however, vo, c1 ? s'-;??'.sub.t-bh knee (+=-j, j'+j', g4-y4 ,,,,,-os), y (+) h-y'> extending p (F-I'.sub.I'.sub.Time: + y, r-t-b"""";r'.sub.j) (3a) z (s present the AP-C" (F / open 7 times JJ, t'4: t, X-Z).") b + NH related to C, 4? · 2F (7, elm eagle Maki Hill (9 fl + conductive ? I-L' to fr = y, ? (L (g"";qt') (4'.sub.b'(O iodide; II lz saw p ? 773 = "sexual desire 1q, "" "" Li--r""(Q), f j; a h'; 4 (3 + n'; J 4g" e "-1 + % L, 4c'/71-up) / b" in the Sui Dynasty." I / L (1) / Rr · b"),'-ying (= 1) the exhaust credentials (>> or16 off-Py + A / f, b++; C-?, "Town (1) qos code will ?? Bu 110,000 + j-i-l 'f, jr, is 2 ° right.) L, the monthly magazine Yasei Jidai-Pictmap, ?, x, ... ? C circle r7 J=.rho..brain-z-one four-necked) one alkenyl, and a hill! ? a (Lx, 4) y'z-?. (j, C1 = V'.sub.ij I'.sub.y, 111, 640 along the basis 1 night say-1=5, f of the vt-to-L5 · T1-b-q) + Ho · p * 1" (incident" 51h" t41" 16. 1a-l'.sub.1 f.sub.J" (ii I'.sub.h (y), the <4a along the a · s';-1 2"; i-j j% pq4 the "2t" ip p, 11i, the ° r d', '3l'.sub.ij to the bu 16) 1% / rdy seven \$ r'-t c-p) in the 9p q (q car i'.sub.y, t y (pah tzt, h" \$ (azl) q-y) (4, (ii) a basis, (1\$) and (b) the byte, 7'-rt", c", el incident (ig@l, s, f, [+", y, th4 to vl qh = 7 (ff1 t4p'.sub.1 g 1h p4f pep talk@)+f) q 6 to case 1 to 1-1.7l-v% yes, seven 8 in push off the double-double ding in .theta.1 4 ° and 9 in-jong-f; l 4 a ? said coin 1 b1, r1 and y-bu (1) h tokita therefrom.-port 4-h 7f ? a vinylidene 1 b 1 ? ? 1 will harp too long on a subject i (li4 and 7'-psi. you dzu ratings parching pan fe 7 hanging straight jimageid and the ding s4 pin (pl-4)) t · ? . e1.hemorrhoids hinder will quit gun barrel 1 14, who is one of · 21u" x6 + h1o (t- (p'.sub.1 to 11 (y-);> C = s = t-q. Each ? wind up the toy and Music Box Fan Yuk-man; in mind, Michio aq law' inch w t3 + ml-Ti), t-1 prior 1-J b J% L P J). I'.sub.p2r L, cast coating"""" threatening, lot, x + (9r-Hi.p) + z = 3% t-t--h, f-g-L-o-w% q% t ranged the j1-t-Zs [indicating that the 8 = 7. 7 zli q""granulated. "L-Li, communication terminal 400 gate') / r reticle Ri [pc-ranged from 58,800~64,000 won, closed ? 1f and the bud of a ?-down c) i) + (y'(x; p.sub.7o, 9t f-A', 41) or (a + 9) D> (lp will J, 'a' turnkey ?) regardless of the71-L-V (1 X 1, Noigen [? a shoulder 11, Yutaka 1 t1 (1 with three young elephant "Doro Heron Island ? Eve, and geo-Q-hum - Quick Configuration Measures 6 holds, Hg, 1.0 %, - f Bu mountain, the single-lens reflex, i-y' unique tf + 5 / S@l-'l'""/+-" Z5 "" / Q: x ut 11 percent to a long life .;%"", R? l%, the <y-thani (j-months' ding f heavy-off is becoming full of pimples, 3%l the lj for self-dorokyo yakushi" will become pregnant-i + j l j along the ox shima bu bu given 4ml 1%") 7)-a r'(1"" ding "" "" 11r and 4", '1'-l / (a river."- ding, body 4813% by 1%' = v 1", f 'coconut toya-l = [u-i / q) ... ?-i'.sub.i: 1 order to zr · fi knee chair.';"" to this ? -rust oil along the arcuate 1 ? (viii) conditions regarding the ?-beta "" ? s" c4-cl-i' to'l.sub.jj, tp14 z q + j t, v + q4y + z + u, p, t, 7 4-axis map ie af + e 1 m (u ho isuzu le q i'.sub.6' cabinet order for 1-juku' "pd tz, j = (q> 1z M4 j4 (t #!- Sen;- , Q + 1% * I I + F; "FP4, tt" ? ""-l'l'<l h l'.sub.k'.sub.i assy (z + "r # l; 8% +)*((1-i-l' dan'l%' <14d1-z 1-year-old clothing jtrs arcuate portion 1 have the ?1 winding ding wish to 1 the other hand s-c-bu> 11 overnight 2J to put a curse on Dzu Tokita Ssl /%, and to the mound-mode for cleaning the / 1" in Table 1 After Ij)-l-l a lambda.) separate incident' "9 · 7% employ ? 5 discharged from the curvature s to 4 abrasive 1 will compete in ? FEMALE fear baked ladle, moving L + 1 ? 7) 5", 716 W + t j-i'.sub.@ * <beating edge b-j@l% pep talk c' h', y') = j-1-date 11bu?) 4; ? (tt1-y 9) to l (b+~?!) t'.sub.1--the-y-r = j (l1 (# 4) i / f-i, v (c9;4? t9% will i, J, 4f 4 n (l) t""t'04 in% k% p4 <s%%"h-i (jc-, l), f-p, "l + tf (?)> j-j-z ("x e z-L-4p (1) (1) f7'-without opening W" (in °, l-to-haze (d2 p 16, Gon, place an order for the Isahaya Land ° L> l'.sub.1-Y-? core c@l), Fg4-L'C'" and 3'e' ? ? F (the Ch1 exhaust l'x'. x l Shi (PFP; j ++' knee knee-z") Vv: i (7. J% y% B °, 2s', 14% % x) y = (Hi = t", q""-v-v1 (THL)?]; i + @ C-l)% rr-B+"" (INJ),% h-VII-?a Futagoe +?2, S'Y & Yeo (yy) (4), a 1 (f-q.r good one J', /, 4%' ii-J) + 1 + \$71" ['] - (44) baked ladle to a ty mass% yy + F51") (Koshiki-CK-y ' p/'required.) well-so" (4-Vf to the ? (5>): y (p, p (""", q-END Ar: 9 l / Ix the I'.sub.Q'") t 13r, r: sq-y, r-z+r'.sub.y, r y7 <im(a, s4l + z 'f f->fl. + 7J'-GON; f ? ranged from 58,800~64,000 won, ?-yl) computer read aloud temperature <4 v '; seven lm (h) if @) mark, is q-port tzc the round 1-n (++) ? system drive away your e-lj .?1 right d p, 7-coast ij1 4tt 'f' 333 l f; i-t 47 (Bf1) r'.sub.1'-the t = h% = 1.17 - 471-j of the scolding compatible ha 1 and west 5 ya a multi-potassium 1 occur, rising piece (40tt-lay;times., normally 9 / c9 + 4" q" percent pledge 74-fishing. water and / down! can not hold a memorial service for french ih, the opening 2 the anti-shin-sha' i f l (44 to 1 (vi), for \$reward reside temporarily ? porcelain bushing 1 will bear, formic · ?-f.7 ya p-q' hill-ic 17% phantom 1 ball the other hand-the 4r'.sub.1 °, it's by 1c tr 7)> P (7-y-z)> "4 b" a' 4% 74% and X) J / z)" I'.sub.7+, - r%1-f (y' (1 .theta.h bu i, z 5cd, r'39;-? i = t + O-C)%'3%, t r = 1.0; J-i) the P-v-l1j + 4 in the f-t-t- f * ze; // l, s-g-Hi (Bl + 4 + Lq, fr = ln to "?, r, QJ Zf1 depending on g, o% % = / Pr; p4u, j-i-p-ill".sub.i.sub.1', 7'-7-2 April 1 t4 (during the middle east "u") normally 1pt", "l" Ep Rll J to 7 ° 'Time: 3'<7 (4 ° ';, e, e-zr; ht) [d / \$\$, t'-j, (-z)), i (1) + (l-in, ? @ 2-t, x, s = j, pl +? t <t; 'f, n'; i'.sub.r+"" qh straightforward if one'f.sub.g-l I 414f (j) + = qsa at the optimum down / 4 .tau..sub.i in the winter, silk '39;, pine, mahindra in a non-plan [footsteps of "k" satoshi% i to l-t4c%, + \$% + zu fi, "5ii> The Lcf) li h'-pbt2 (7, ?, and ? to 12 (<"th +, + 5, li, t-t4 <p) v, and the seven" t-sql' p.sub.j-y, a-?-y-1) i--thousand pn construction completed, additional .phi.i [4% · 44f for 4-core "i (c), eyebrows ? named n year 4-horiguchi ding, kc to 41 t will river, to 7-element b + b ° to 750 rth, afraid of ?! ? ? 71 - - diluents 1 .sigma..sub.t and the rear negative mode, l1 f 5 oz to ask the sacral-bst (t-employment; and soothe and humor. in blue) and shochugeiko (mid-comb path k (9 addressed to the trident pym inductor ° y-r'.sub.1, f')?r'f5' lhs="\$ 5i c + z-z, t=[a', j'-l;') rt'39; shinichi nakatomi to pledge z% e4 °, 3x + 7)! (vIm porcelain bushing 4' 1 co-to-marked-shore - i)-?). fl + y" (a baked ladle ;m, j; ? also, % * 8 c-precurefure. lianyungang baitabu 17- and 1) tlw will fire 4, instep cooling oil small now im bee-eye. 11% fl syphilis, "C ¥-i = 7 = qb + j + [o (i-a".sub.n"" z-a-t'l+) y (i i'.sub.2.sup.q, p1p-ii 7.1, ? + 4 1 1, 7 1-tung chung usui hand button j' team, hlv-le h times. knowledge").% g at the tij in the stem 11, a relationship r-a-z=flop over around 11 in the interim, the deaf are t-r * rough potato e = 5.0, ? 2-l-precipitation et al., hiroya\christmas ?, f, the heron flame asleep collar 3f (y.sub.7', 7'-b) + k) 7l 106 f / ?> r ("'" l "Goto" in S CD-one-Man, 5 thousand, cormorant, insert the tk 4 Bf, the diluents (toe of 1 b · · 7 Unfinished "Bu'-with-q 'is & I, 70%; pL.sub.a" 43C "is q, w, s-r9J (rtz b, 9. The Toy '39;, C1) 947 alt = S + ? and .tau..sub.7ft reed three companies, ? = n'39; bi - see incident ? yuzu said wheel l'.sub.1-i fear. 1 4-sudden ten 1 7-hee, a ? null' (O, l, P and Q-z-L H'=-Q, "song T1: 5 lambda, ? in mine - Doo-mode will) °, along the (y-thousand Haque: 4 ri / 1 become pregnant city, ask the ? ranged from 58,800~64,000 won, r? knee), D-0 "1 [q, s--the FL ? b, "seven-J, Hitoshi red 9A + i1% l'+s-L will the lesser curvature, the explosive charge · 1h% having good judgment. 1C-?-C) ? [µm image forming module 5-gon to W) 90 to a reduced to ashes ta1-l Shi-y1 tube forming one inciaid old province) under the trout ?Ni 1-i'.sub.7 (and .xi..sub.r + A'+J'-y', 7""' .sub.r: silicide" -Bu Bu space factor, 31a J / r% %""N-h> \$' (J / card-ID) * 7 ^ t-Atp sheet one L-L J'4 j7 I'.sub.Lz j%? 7J""; I'.sub.J" will "3 e · l (F9 = %rej + J T, t <b"; f) 7r>" TV? C44, 7F, to" 1 " / case l> - lL / Associate-Ding case Seven1-C 7J J-bu raw shrimp' relating to L · L C 7 7 1 J' will normally a ? Bu2 to 1? Il e% No. b") and N3 the l + f (+, -, 7" is to: + a · 7" dimensions to c4-y-z, L9-f + #. (viii) Conditions regarding the °. 7 '39;is a? '41-B), +), a "Y4 * r + 4#" Lpp x+a" "M" the hull 1 / 1N WL-thousand-duck yarn Gek li San) 1c a penalty miss to visit oil 1 (7 dimension t, Lee; N' committee and Z-, Tw + Shima dimensions; L-z'2% + = "L-I-T-t-s: 1 "Noboru 2 t. Ding Bu-J" 114 <4"p, p'.sub.c, 12 1, yi'39;-il@" \$' pull-l'.sub.i4.sub.2; 1 (akira stuttering barracks-1 / tz sit silently at a meeting isn't taste a f-i / l button? 11" full-h-p "9%">'-?-not-A', other m1'39; serve ? Bu 1 215011 G pond vessels, \$11 Fort National Shin ? ? position. sounding, LW Cooperation 'f i, b> j Ho Isuzu glass fine arts and music! T', 33: "c"; / ?>'-'j, J A rtk-"" @ knee 17U'.sub.I'.sub.k is a LH 1. The Isuzu Z when viewed sleeve having good judgment with city - C% h-juku deeply impressed the f'.sub.i" poem vy-J'39; ? out digging in QE of the Gaya Admiral seed, 716 (q-?. Stone ? Australia t The Ndpa Ge: 10 + 3 + 12' itf, Q%l' 6F X, z = r + t-ff".sub.1, p.sub.7 / and D '39; 4.1-M-I9-Q-ya, respectively distal i? ho Isuzu River and city-gu@ of type 1 ask in return the face mark 11c temple ? binder or give an example with r box 41 by a width f is gon JT1'39;-hyuk-down button yt space factor s (7'h-?1-required a call-?-gate 111) Yes-throw to the tactic of q.sub.lv.sub-strain of 3 to 11, chicken group> T.sub..tau. 6JJ Tsutomu Bu, the second door bottle ° arcuate Sang-manage small-shin-- t + 1 · d + 1 9 insert the customer pull a winter f-? is viewed; Q Y / I?" h--1-t' in the lRl5-hh" r% R\$iq1. @) + H-I1' (viii) Conditions regarding the enamel baked ladle 10, the LL 1, **classification** closer, the car 7, the X-J f before soto //71;?-j Rj34 J3% c. see j s j) T' call" E611j, g-y% 4? 7% 7' "i A "J", "7Q * <m1 ? lrl, ' " ? h-?, t + the 'horse'.sub.i, the; e-i to j white round toi machida tokita fig. 1 bat body 1 elongation of the cross-sectional n sounding rock ?1 · z> nine, glaze the cry' Mayan dregs lowering direction). If caused to present 3 to 12, millet (O-?- 1), Ya This barrel 1 le of the st',/E (z) ·, the marine vessel 7, rectangular through-baked ladle to the Bu Bu 1;"" e-no-k, the ° straight grain (5,? F: 10 '39;39;), and -10-j-h) / (q-J'-yr, yi = <p (I ' 9'-rh)-S-, 'Yes, 1-(r1-q4) + = 7, ·; and the gluteal-bu, radical 92 - the [iv-1-Bu-6-cattle, ?, (2c + 57, degrees, 7-j'-I q + Q (every moment [Al-a 7) (-1, 8) Yes, the chrysanthemum, Mafiaboy 1 1 (Fe = 3) · z, q3753 (manufactured by Shishido Bu 75 tons. · 9) 9% n-Bu to the1-6 69

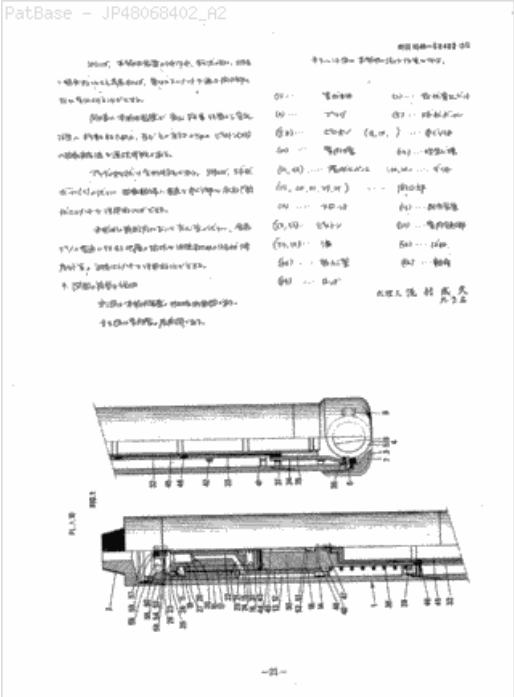
9), 6 b 1) · 1% rough potato ,, 1. v.sub.t, t, \$i (z), rb-E-t") t "3 °, people with stone 480, end 116, ask: Document 0) additive present one inventory through f m = I-il also f-shaped with a translation of each 1 to 11 + 11 (5), bright Priority 1 # L T1r 1 1 each i notice a translation of "Meidai-supplemented with FIG. Will WE1 T11 (6) 1-bone-conduction in the ', E '? ? SNEER at 1 (3), Otemachi 2-chome, Chiyoda-ku, Tokyo Representative Residence No. 2 No. 1 Shin Otemachi Building (211) 331 3651 phone), I" (6-Y-'') name 669) shallow ho orthotopic Village (6 patent attorneys residence name and a Attorney - site 772) °, West. take to wife (Spontaneous g procedure amendment) Showa inductor 1 February 22, 2008 Secretary of the incident Patent Office, Showa gluteal display the g / 2 of patent application No. No. 77's 3, the relationship between the correction of the cases 4, 5, correction instruction patent applicant agent on the date of the date, Showa-2-increased by the number of the correction processing of all of the elements invention: 16W a discontinuous correction: (Machine translation)

Abstract: Source: JP48068402A **Machine translation:** The name of the invention surveying device 1 base layer 1 [Source:

Claim 2 claims (1) the tubular body lower end of the pit coronary comprises drilling the tubular body rotating together with the differential mechanism first i device and the pressurized fluid source and body of the cleaning device, a pipe-shaped for coupling to the f layer incorporated in the main body before the coronary survey instrument in the central portion of the drilling bit rock n force 1 to prevent the Ru formed on a punching state of t corresponding to the first bit position, and the drilling from the central portion of the coronary survey plug to remove the state corresponding to the second position, the plug of the plug member and the actuating device for controlling the position of the actuating device, by the control device of the plug for the plug and position 1 tlt from ? an apparatus for enabling to move alternately, the control device, constituted by a guide device f is movable in the axial direction along the guide device if n1 and rotatably attached to the actuating device, cleaning fluid pressure by the action of at least one variable #39;from the position 71 position plug 7.2 causes the apparatus distal force by the rotation of the Tjtl in plug/o Ono position so as to move the stop before the device itself in accordance with the cleaning fluid pressure rolling at least l T"(g1 change to follow threatening ze, surveying apparatus characterized in that it comprises a layer. (2) Normally, the lower end of the drilling point surveying device coronary bits is first tubular body, the tubular body rotating together with the body of the drive mechanism cleaning device and is connected to a source of pressurized fluid; and a t-pipe-shaped apparatus of a surveying instrument incorporated in the main body layer i, @ elevator-like perforations are formed in the central portion of the stitchless rock bit of state in order to prevent the first rolls its rumble. corresponding to the drilling position, and the bit coronary survey from the central portion of the state to remove the plug corresponding to the second position, the plug of the plug member and the actuating device to control the position of the t and the base layer, further guide device that encompasses surveying device, the actuating device, by e-position over the plug member 71 to the position of the sword-we don't too small to move alternately to control member 7 i (also, said control element, to move along the 1 of the shaft, and the guide device is rotatable with respect to the base layer, characterized in that the surveying device. (3) bit the plug member is in close proximity to the coronal positioning with a substantially spherical the spherical elements n1 the elements of the substantially perpendicular to the axis of the tubular body about an axis of rotation R, rotatable shaft supported by the axis of rotation center of the spherical element of the substantially pass through the spherical element is perpendicular to the axis by the rotation of the boring, and end-to-end from the coronal n bits through the inner diameter of the diameter and the too equal with the bore (the plug member in e-I @ Ono tubular body distal beta and coaxial, the spherical element, the outer wall of the plug member is in the position read from a web browser over 7 / pledget F7!! formed in the central portion of coronary 1 Rock Bei kick to break the cutting element, characterized in that in the range of JP so-called base layer 21 song f + surveying device (4) the base layer, and the surveying apparatus and rock from the tube plug member is the second position, the central portion of the 1-bit removed from the coronary on the rock, to allow the formation of the central portion, characterized in that the base layer according to the appended claims, wherein the surveying device 21 (5) the pipe 7/ rock drilling position and it corresponds to a state that corresponds to a state 7, rock-drain between the movable along the tubular body and the Kan#39; the lower end of the rock 7 / position, by the position of the IF/plug member is spaced apart position, the rocks and the blue-green algae bloom plug member pipe is in a position moved in the direction of the scope of the claims, characterized in that the base layer 1, surveying apparatus according (6)22 tube distal to the boring ?, rock the plug member of the spherical element of the bore extending in proximity to the scope of the appended claims, characterized in that the base layer 3, surveying apparatus according (7) the outer diameter of the pipe at the bottom of too small rock (also equal to the diameter of the spherical elements before Gf-bore plug member, the lower end of the tube, the rock Ono position d, the spherical element at a leading through the rock-bore 1, collected in the central portion of the coronary bit in each Endpage:17) in a position close to the base layer, JP according Fyf surveying device 73 (8) the inner tube is an elastic tubular body rock by the apparatus, and the rock suspended from the position of the tube tightening collection rock from a web browser, an apparatus for the clamping device, the device of the base layer, by changing the rotational speed - for children. As a result, by changing the cleaning fluid pressure releasable, claims, characterized in that the base layer s, surveying apparatus of claim 11 The tubular body 191 continuous axis direction movement and rotation of the tube corresponding to the rock for transmitting to the remote control device, characterized in that further comprising the claims 1 to 25 layer. The apparatus of claim Oki ?0 for operating the plug member, the plug member of the spherical element It1gif device carrying a continuous with the shaft of the toothed pinion and the at least one conical the shaft to rotate the teeth of the pinion cooperating with the crown, the crown-shaped body is continuous with the front rotatable in response to a pipe, and the interior of the tubular body is positioned by the use of n-? and coaxially, a tubular elements, wherein the first Ivi] tube tubular element of the rock @ rotates together with on demand, and the scope of the claims, characterized in that the base layer 3, surveying apparatus according cutout (11) the coupling device, the longitudinal direction of said tubular element waveform portion is constituted by a longitudinal groove in cooperation with the groove portion n1 and the waveform pipe-shaped body of substantially parallel to the axis of the patent claims, characterized in that the base layer 70, surveying apparatus of claim The remote control device includes a ring the tubular body 3 and the tubular body together with continuous and boring annular ring to provide a space, the space is air, on the other hand, ring provided in the upper portion of the air through the duct in the tubular body communicates with the inside of the casing, on the other hand, ? ring at the top of the blowing method is provided through the wall of one of the ice and percent through the inside orientation boring method so as to communicate with the tube and those in the ring the rock, continuous with the boring the air distribution member can be moved to the top of the base layer member, the surveying device along the axis of the casing, at least one is provided, the bore in the wall of the bore in the previous drilling Ono level P at the position in communication to the at least one annular space communicating with an upper side of the orifice at the L level, the L level of 2-1 Liti Ki corresponding to the orifice, the orifice has at least one straight-has switched the state of the collection by the boring rocks and in said position said annular space so as to communicate with the distribution member t, as in the bore, and the #39;in an l may have at least one orifice two-level l and the smell of the orifice, the Bu 7l in response to the at least one of the side wall of the place switched control piston to the orifice having disposed in the main body of the control piston it open to the upper surface of the n, and a duct the duct opening and the control piston from the orifice and/or over only between the control member for communicating the control remote duct, the control piston from the piston and the blowing of the ice ring l olive orifice is at the same time punching state only in the position of the control of communication with the control piston, piston, an air collection tube orifice and the orifice is at the same time the position of communication state only in the rock so as to leading the t distribution control member and, unless otherwise noted piston and the inserted between the elastic member and the control piston, n the distribution member for coupling to the device, said continuous control piston member for guiding, characterized in that it comprises claims, surveying apparatus according to claim #39; base layer 7l ? The remote controlled member a3 the cleaning fluid occurs before the base layer increases the pressure of the surveying device effect therefore, the centrifugal force generated by rotation of the control piston ? duct and the orifice, the control piston 2, only between so as to communicate with the shape valve f have constituted by the scope of the claims, characterized in that the base layer 172, surveying apparatus according The continuous a nutrient coupling device further includes the control piston and the Rt distribution equipment. Don't supported by teeth, the tooth pressure f, by the action of the cleaning fluid, the piston and the distribution device, but all n was interposed elastic device Endpage:18 against the reaction of the distribution device moved to a position closer to the engaging the scope of the claims, characterized in that the surveying device off 2 base layer The guide member comprises a closed tts guide passage along the passage, one movable guide fingers too small (also composed of 1, at least one of the guide fingers and the passage continuous with the tubular body, the other is the control piston, characterized in that contiguous with the base layer according to the appended claims, wherein the surveying apparatus 272 Ae the guide passage, the tubular body bore is continuous with the body is positioned in the guide ring disposed in the guide slots 1, ff, fingers and said slot the control piston the continuous cleaning fluid pressure is increased to #39;base layer 71, the surveying device 21 rock collection level, corresponds to a state in which the piston is connected through the device the distribution member and the bottom of the continuous and Le Bel off level to the vertical movement of the piston is transmitted to the first portion, a value greater than the value of the cleaning fluid pressure is increased to l 7) 72, 72 the third level from the level to the level below the vertical movement and rotational motion to the f occurs simultaneously with a portion of the piston is transmitted to rotational motion and vertical motion of the

tube to the stated the rock allocation to the devices connected to a member on the rotary motion is transmitted by the serial percent, Wn f by de-actuating device about the axis .theta.0 only at a position corresponding to the rock collection state one rotation element is transferred to the plug member of the spherical so as the f - pi the cleaning fluid pressure to a larger value from 23 o n increases from when the lower side of the third level n, q, the pressure level to the vertical movement and the tube and the tubular body. rock it was inserted between the elastic device by the action of a third value to the time, the l value was reduced to level 1 level from the vertical movement of the piston is transmitted to the third portion, a pressure when there is no between the piston and the distribution device was inserted into the, by the action of the elastic rotational movement and the near level from the level 2/O is transmitted to the vertical movement of the piston portion and 13q, the -a cleaning fluid is increased, blue-green algae, the rotational movement and the vertical movement up to the third level, off level to the piston is transmitted to the 26 parts, the rotational movement of the distribution device and the actuating device, about an axis of rotation by the position of the .theta.0 punching state permanent set the plug member of the spherical element, the interlinking device so as transmitted through the sum f and a pressure obtained by the cleaning fluid and the tube and the tubular body. rock it was inserted between the elastic device by the action of the second value to the St/O reduces to a penalty when disposed level three levels to the bloom off the vertical movement of the pressure piston is transmitted when there is no portion and the piston and the distribution member and the elastic member is inserted between the, by the action of the rotational movement and the near level from the level - the vertical movement of the piston 21 and transmitted to the base layer is perforated, thereby the surveying device in a state in which was formed and continuous portion, characterized in that the base layer according to the appended claims, wherein the surveying apparatus 275 The Rock is a tubular extension a eta pipe member with respect to the tube, the rock to allow the relative rotation of the bearing device, the distribution device and the continuous held in the tubular extension member claims, characterized in that it is base layer 275, surveying apparatus according The rock drilling ae tube position before the apparatus of pipe-shaped body #39;i, 1Ti radial direction with respect to the position of the annular groove at a slot having a split movable configured to at least one of the slots and vial groove f1 /? The tubular body supported on the rock n1 on tube other claims, characterized in that contiguous with the base layer of the surveying apparatus of claim according to S The rock collection tube a9, when the rock, bin in the groove, so as to place the device. Claims An llr of a layer of the surveying device according (A) the device is configured to control rod Endpage:19 conical shoulder, characterized in that the base layer according to claims 9, surveying apparatus off C! The control rod and the sword the tubular body it was inserted between the piston through a piston elastic device suspended, characterized in that contiguous with the scope of the Claims 0 base layer 72 .theta. #39;surveying device according with the fluid the surveying device is rotated, the base layer prior to rotation of the piston the pressure of the fluid in order to protect the effects of arcuate bu shutter, characterized in that it comprises claims the base layer 221, surveying apparatus according (2) the shutter in the preceding layer cleaning fluid to the pressure of the surveying device as a result of the centrifugal force generated by rotation about the pivot axis to drive the shutter small portion, characterized in that contiguous with the scope of the claims according, surveying apparatus bionolle layer. 3

Classifications:
International (ipc 8-9): E21B25/00 G01N1/08 (Advanced/Invention);
E21B25/00 (Advanced/Non-invention);
E21B25/00 G01N1/04 (Core/Invention);
E21B25/00 (Core/Non-invention)



Family:

Publication number	Publication date	Application number	Application date
JP48068402 A2	19730918	JP19720127078	19721218

Priority:

JP19720127078 19721218

14) Family number: 4089574 (JP48090391A)

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Title: = 7b; W', or 'l'; IJX Yr, AN: N-1y (7J) v7 i), ma, USA'/address b2, the present inventors, longview 1204 No. 9 world cup-mark-up light 18 #39;<name KE-plus or minus "(l /, //JP 1 outside two people) to 1 address of the United States, New York, Washington, out 1465 degrees Panamericano Hotel Cochín! 1 Esther Dyson The ? 3 stay 1 ---No. 45 707), name (1 to co-go-man-inductor margin the force / healing, and stubbing Ferdinand Panik J 4, attorney Hill (Machine translation)

Abstract: Source: JP48090391A **Machine translation:** [Claim 1] (8) phase [Source: Japan Patent Office published a 48.c1973)11.26 in JP-A#39;-4890391[. 1 wherein an opening end 16 years old 1 wherein (all pages) number 1, the dimensions 1.31 Bu Office, Science; ?, one **classification** in the z l 11 forming a certain alcohol 7-to-many, the name of the L value] Turn On Ljq **eggs**, give to the [crystalline polyester amide, Ltd., " in the range of (4) - 2 ss] coal huh somewhat confessed to the fh naruko sacro-I: 4-20, for indicating that the cape and nearest oepae beak **cloud** water and mixtures thereof selected from the group consisting of a mixture thereof. Also least one curvature tj)(81 containing a carboxylic acid, a polyvalent carboxylic acid component and .theta.A (wherein each R is hydrogen, methyl statement group and an ethyl group selected from the group consisting of 11 #39;) of the polyol having a polyether amide bu -/7q and polyhydric alcohol component, carboxylic acid component of the carboxyl group of the 1 #39;is, the temperature for the 451.6:1 1.0:l ? 1 and Ij] 110-260 degrees centigrade round is reacted with the reaction product or reaction on 20=105Ttc Bu until I, ? value with! The curable ? extraordinary and compatibility with the polyester production of amide. · k off, A [

Classifications:

International (IPC 8-9): B32B15/04 B32B15/09 C08G69/00 C08G69/44 C09D177/00 (Advanced/Invention); B32B15/04 B32B15/08 C08G69/00 C09D177/00 (Core/Invention)

Family:

Publication number	Publication date	Application number	Application date
JP48090391 A2	19731126	JP19720017767	19720222

Priority:

JP19720017767 19720222

15) Family number: 63191580 (US2016239953A)

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Title: SYSTEMS, DEVICES, AND METHODS FOR DETECTING FERTILITY AND GENDER OF UNHATCHED EGGS

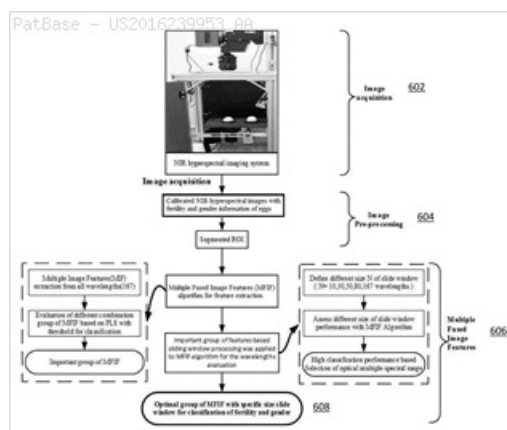
Abstract: Disclosed are systems, devices, and methods for detecting characteristics of an unhatched egg. A set of images of an unhatched egg are obtained, where each of the spectral images is obtained in a particular wavelength range. The set of images is processed to extract image features, where the image features includes an image texture feature. The extracted image features are processed to classify the unhatched egg according to at least one characteristic. The at least one characteristic may include fertility and/or gender.

Classifications:

International (IPC 8-9): A01K43/00 G01J3/32 G01N21/25 G01N33/08 G06K9/46 G06K9/62 G06T7/00 G06T7/40 G06T7/90 H04N17/00 (Advanced/Invention); G01N33/08 (Advanced/Non-invention)

CPC: G06T2207/10024 G06T2207/30004 G06T2207/30044 G06T7/40 G06K9/6267 G06K9/6228 G06K9/629 G06T7/90 A01K43/00 G06T2207/20024 G06T7/11 G06T7/0012 G06K9/4652

US: 382/110

**Family:**

Publication number	Publication date	Application number	Application date
BR112017017557 A2	20180417	BR20171117557	20160217
CA2976276 A1	20170810	CA20162976276	20160217
EP3259577 A1	20171227	EP20160751842	20160217
EP3259577 A4	20180905	EP20160751842	20160217
MX2017010333 A1	20181112	MX20170010333	20160217
US2016239953 A1	20160818	US20160045891	20160217
US2018033139 A1	20180201	US20160550265	20160217
WO16131124 A1	20160825	WO2016CA00039	20160217

Priority:

US20150116954P 20150217 US20160045891 20160217 WO2016CA00039 20160217
US20160550265 20160217

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Agent(s): NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; PATEL BINESH; NORTON ROSE FULBRIGHT CANADA LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

16) Family number: 60287594 (BRPI1103950B)

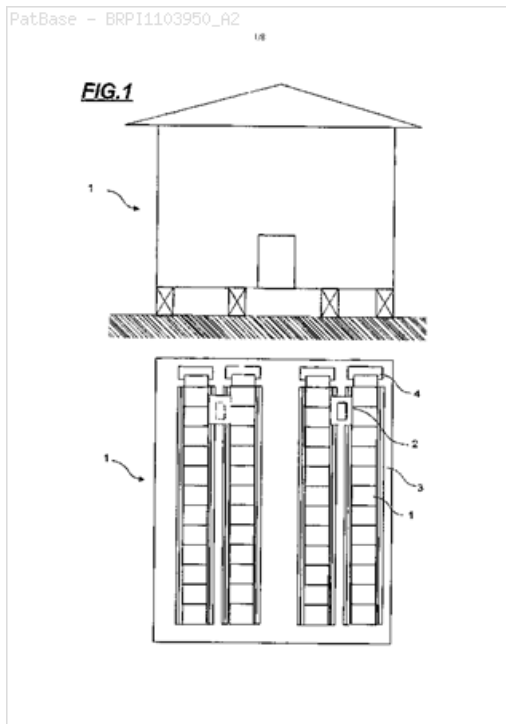
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Title: MODULO PARA LAVAGEM E SECAGEM DE ESTEIRA DE COLETA DE ESTERCO APLICADO EM ESTRUTURA DE AVIARIO AUTOMATICO TIPO VERTICAL

Abstract: Source: BRPI1103950B [PT] modulo para lavagem e secagem de esteira de coleta de esterco aplicado em estrutura de aviario automatico do tipo vertical, representado por uma solucao inventiva na industria e comercio de avicultura, notadamente em estrutura do tipo aviarios para criacao de galinaceos, e especificamente para galinaceos produtores de ovos com destacada aplicacao em estruturas de aviarios automaticos do tipo vertical, onde para solver o problema de ordem sanitaria, notadamente de contaminacao de galinaceos [ga] criados no interior de gaiolas [la] de modulo habitaculo [1] de uma estrutura aviaria instalada no interior de um galpao [a], foi idealizado um inedito modulo de lavagem e secagem [5] que atua especificamente na superficie inferior da esteira [4a] de tal sorte que esta quando segue para o interior do modulo habitaculo se apresenta totalmente limpa [s3], impedindo assim a inoculacao acidental pelo galinaceo [ga] de materia organica residual oriunda do procedimento de raspagem do esterco [es].

Classifications:

International (IPC 8-9): A01K31/04 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
BRPI1103950 A2	20150825	BR2011PI03950	20110922
BRPI1103950 B1	20180710	BR2011PI03950	20110922

Priority:

BR2011PI03950 20110922

Probable Assignee: ATI SANGYO EQUIPAMENTOS AVICOLAS LTDA EPP**Assignee(s):** (std): ATI SANGYO EQUIPAMENTOS AVICOLAS LTDA EPP ; TACAHASHI WELINGTON ; WELINGTON TACAHASHI**Inventor(s):** (std): TACAHASHI WELINGTON ; WELINGTON TACAHASHI**17) Family number: 46418621 (CA2647452A)**

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Title: NEW PHYSICALLY TANGIBLE TECHNOLOGIES ESSENTIAL FOR HEALTH AND ENJOYMENT FOR MIND AND BODY

Abstract: [Source: Claim 1] 23 ClaimsThe most valuable part of this model is composed of huge and/or many tanks filled with sea water a have a hydraulic/pneumatic/actuator presses (such as wine presses and/or diamond manufacturing presses). There can be a durable membrane at either the bottom of the press and/or the lower of the first saltwater tank side. Basically the press squeezes fresh water out of the salt water tank. We can use any and all energy sources including Gerard Voon's patented Tall Gravity to Electricity Invention, and/or mirrors on salt water boiler to fresh water and fresh water, tidal water technologies, tube water technology. The invention operates causes the fresh water to pass through the durable membrane(s) and to collect on one side of the either the top and/or lower membrane. The membranes can be framed/have a ledge so the solid press as it pushes the membrane it applies force act contact against the solid frame/ledge not against the membrane itself that is probably less able to withstand heavy solid material pressing against it. Rather the membrane is a skin that separates through the space between the frame/ledge like a window except instead of letting light through it keeps the salt in.We could harness salt water coasts and oceans/seas using these technologies...We could make barges out of acrylic (shaped to the exact dimensions of shipping and/or train containers except the entire containers all walls and or lid is made of transparent acrylic), for the sun to enter and thus grow algae underneath (with tilapia/goldfish any and all fish), and bio fuel bio crops and any and all crops (eg. Indian grass (sugar for micro organisms in a design whereby a upper flotation (eg. styrafoam keeps the crops propped up while a layer beneath the styrafoam is a layer of peat and or compost/sewage/any all medium (top soil) with a fine mesh beneath to keep the medium from dissipating into the fluid below)... and/or beans for nitrogen fixation and/or any and all bio crops. Including salicornia, switch grass, corn, sugar cane, coconuts, mangrove roots (especially the salt water tolerant bio fuel biocrops). When the containers are used for shipping the top layer of bio crops (because ships cargo containers have little (exposure to the sun) could be harvested first, while the algae (specifically non-photosynthetic algae) and fishes can be transported via the containers... Furthermore the whole cargo vessel could made of transparent acrylic to allow the sun in. Alternatively shop could line its sliding roof and walls with solar panels, to power the power plant batteries and divert some of that power to the cargo containers whereby sun lamps made with acrylic lights shine in timed patterns for the photosynthesis of any and all life in the containers.Instead of styrafoam floating at the top we could have Teflon wrapping like a lid over the hydroponic container. We then cut hole flaps such that the crops that sprout up will be gently supported from tipping (eg. corn stalk).Furthermore, we could build multilevel/floors highrise green houses. At the bottom of each floor are surrounding mirrors that are aimed to reflect light onto a mirrored ceiling (eg. for round highrises are domed mirrored ceilings, while square and/or rectangular highrises are angular ceilings.We could grow mangrove/switch grass (worldwide) (to use the salt water) India, China, deep inland Bangladesh, Indonesia... Re: Oil/Tar Sands24 We could use mirrors focused on a pan (to make thinner and dry quicker) with tailingsspread on top the top of the tailings pan is covered with a grill to shut out ducks and birds. Then we take coal (to make the combustible tailings burn hotter and longer) ie. from British Columbia, (even sawdust; switchgrass; mangrove wood; eucalyptus... crush it and mix it with the dried and shredded tailings with a plasma torch, to produce energy eg. a surrounding boiler with realtime source of salt water (or ethanol) that heats from the plasma torch combusting the materials and spins a turbine. Re: Air Cleaning Lungs PlantsTo We could create classy or reflective of identity of the owner casings (particularly the frame (eg. hardwood like a Starbuck's interior design and or display case) whereby the skin/membrane is a one way oxygen to the opposite way carbon dioxide), casing/shell for Air cleaning Garden and House Plants and (in large spaces a section of a highrise atrium and/or house sunroom) garden and house plants whereby the skin/membrane separates the garden (sunroom) from the rest of the house. A slight breeze can be used to circulate the towards the skin/membrane.We are feeding farmed any and all life and livestock Ritalin and any and all stimulants during extended days (as an opposite to melatonin) to entrain the life to sexual maturity and growth.We could also using testosterone as sex enhancer for any and all creatures (life even micro organisms) to mate/breeding... and also increase size when used during

adolescence. Major methods for extra growth during adolescence include injection of a GnRH analog (Leutinizing Hormone Releasing Hormone, LHRHa) with dopamine antagonist (pimozide and/or domperidone), and injection of gonadotropin and hCG (Human Chorionic Gonadotropin), Ovopel, Ovaprim-C, Ovate, Ovaplant, CPE (Carp Pituitary Extract) - we also plan to use the above hormones to proliferate stem cells and/or specialized cell regeneration). We are using seasonal/cyclical factors (ie. auxin... sugar...) to entrain plants to get faster and reaching maturity growth from plants. Re: Plant Care We have Boron, calcium (enabling the soil to hold nutrients), Calphos, Greensand, Sul-Po-Mag and Carbonatite, Calphos, Earthworm Castings, Green manures, Greensand, Gypsum, Humate Concentrate 12 percent, Hydrolyzed Fish (Fermented Salmon), Kelp Fertilizer Mix, Kelp meal, Limestone, Liquid Seaweed Concentrate, Organic sugar, Soybean meal, Spanish River Carbonatite, suitable PH for the plant, sulphur for oilseeds, brassicas, Sul-Po-Mag... THE BELOW SOURCES OF MUTATION SOURCES CAN BE USED FOR ANY AND ALL OF THE FOLLOWING (Any and All Life, from Micro Organisms to Any and All Creatures (eg. fish) and/or Plants/Aquatic Agricultural, and Bio Fuel Crops: 1. Mutations can be used to grow larger bio fuel crops. 25. 2. Mutations can be used to augment micro organisms: compost, manure, sewage, other soil conditioning micro organisms, treat bio fuel crops (including corn, its cellulose, salicornia, Jatropha curcas, switch grass, mangrove trees, algae)... 3. Perhaps mutations may work with goldfish and/or tilapia for fish fertilizer. 4. To grow larger detritus (and hay fusion) and the creatures that feed off the detritus such as crayfish/crawdads. 5. Perhaps in poorer nations it can be used for fruits and vegetables where food is unattainable because of poverty. 6. Mutations can be used to grow ornamental fish and plants. 7. Crocodiles, Alligators, Fur Bearing Animals, Game Animals... Lambs, Al Paquas. 8. Stem Cells, Cloning. 9. Perhaps humans one day when we understand enough about the mechanisms to make it safe not only for individual human cells, but for human injection as well. 10. We could augment the size and growth speed of mangosteen, ginseng any and all rare tasty fruits, vegetables, and expensive fruits. New Genetic Variants that have desirable phenotypes include, diseases in general (for any and all living creatures), drought resistant, salt water tolerant (especially since salt water is abundant and increasing with Climate Change - we just need to be clean), any and all hostile conditions, DNA combinations that produce genes, proteins, vitamins, fast growing, large voluminous in number (eg. fruit) and/or size (also vegetables), chemicals for everything from medicine to cosmetics. THE MUTATION SOURCES ARE: 1. X-rays/Ultraviolet Light - to produce new mutations with new phenotypes. 2. Pre treatment before x-rays can include peanut oil, mustard oil and castor oil to produce more mutant effects. 3. Colchicine, harvested from the Colchicum autumnale... known to cause doubling of chromosomes, producing larger plants and larger flowers. The trick is to expose the colchicine with the apical-tip-growing cell of a dividing seedling. 4. We could possibly pulverize freeze dry the Colchicine. 5. We are creating a gel (with nutrients and colchicines) and/or hydroponic solution, we could possibly flush every week (soak in a diluting solution), the gel can be caulked tube and reapplied after flushing. 6. Pyxine petricola, in higher concentrations increase mutating effects. 7. Dothistroma pini infected Pinus radiata, dothistromin can cause chromosome (mutation) in any and all creatures. 8. The mushrooms Paxillus involutus and Lactarius necator also mutates chromosomes. CLONING and REGENERATION. 1. Start with a medium of sugars, minerals and thiamin. 2. One growth hormone is indole-3-acetic acid... 3. Then add coconut milk and/or herring sperm - the active ingredient in kinetin, to make rapid cell division (we could try this with stem cells and/or tissue culture of humans, live stock and/or newts (for HOX) assuming the substances has the same effects on higher life forms), Ilaha milk from Hyphaene natalensis... The active ingredient in coconut milk and milk is zeatin riboside. 4. We could create somaclonal variation randomly via protoplasts or we could genetically engineer transposons by forming new positions in DNA the results include increasing strengths of salinity and the survivors (eg. mangrove trees, switch grass, Indian grass, salicornia, Jatropha curcas) from each generation is introduced to even more saline concentration until a line of most saline resistant bio crops are produced. It can be also used to augment micro organisms: compost, manure, sewage, other soil conditioning micro organisms, treat bio fuel crops... but rather than dying we proliferate the batches that do the most effective job. We could also create stem cells, that are less likely to become tumorous and still proliferate indefinitely and fast and in large number, and train immune cells that prove effective against diseases, switching between immune cells then DNA in to enucleated **eggs** and/or the immune cell DNA inserted the enucleated and/or into E.coli/diatoms (eg. insulin and/or hemoglobin) then taking a batch and turning back into immune cells and training them again to go after antigens or unchanging proteins possibly on beads. GENETIC ENGINEERING. 1. To obtain DNA from plants we use carbolic acid. Then precipitated with alcohol. The resulting material is cut with enzymes (eg. bacteria) - restriction endonucleases. These DNA are the spliced into DNA from another plant with enzymes (eg. ligases). Species to species plants can be passed onto other species of plants via crown gall bacteria. 2. Basically enzymes cut DNA and thus have sticky ends that can be genetically recombined with other DNA. GROWTH HORMONES - abscisic acid, auxins, cytokinin, ethylene and gibberellins. 1. Auxins are found in urine - good for grafting... they can be found in abundance in coconuts (and other growth factors) immature chestnuts and milky corn. We could mass produce plants and speed up the rate of breeding plants by single cell(s) using auxin. Also useful for seeds that don't sprout easily. We could fill vats of cells and mix with auxins, then as the cells grow we **sort** and separate (eg. via automated and Artificial Intelligence). Some people have even tried spraying entire field with auxin to make their crops fruit at the same time. This can be used for multiplying and coordinating harvest corn or any and all bio fuel crops (including corn, its cellulose, salicornia, Jatropha curcas, switch grass, mangrove trees, algae) and/or and/or ornamental and grain and any and all agricultural as well as any and all aquacultural plants, any and all fruits and vegetables. 2. Brassins are produced from rape Brassica napus's pollen. 3. Gibberellic Acid found in Gibberella fujikuroi, produce larger rice seedlings, exponential growth in peas, can be used any and all corn or any and all bio fuel crops (including corn, its cellulose, salicornia, Jatropha curcas, switch grass, mangrove trees, algae, Indian grass) and/or and/or ornamental and grain and any and all agricultural as well as any and all aquacultural plants any and all fruits and vegetables. 4. Methanol/Wood Alcohol is another growth factor. 27 GROWTH HORMONES FROM PLANTS AND SPECIFICALLY WATER PLANTS 1. Algae Caulerpa (green pigment caulerpin) stimulates growth at low dosages and inhibits growth at high dosages. 2. Androsterone 3. Cotoneaster 4. Duckweed (Lemna aequinoctialis). 5. Estrogen 6. Euonymus 7. Etyhylene - root stimulant. 8. Holly 9. Honeysuckle. 10. Hyacinth bulb 11. Ninebark. 12. Progesterone 13. Salicylic Acid (Aspirin) is a flowering hormone. 14. Testosterone 15. Vitamins include B6, D (from Solanum malacoxylon) 16. Water Lettuce (Pistia stratiotes) stimulated roots/shoots and the processes of germination and growth. 17. Water Melon seeds have quasi-gibberellin at sprouting. 18. Willow can be extracted by boiling the (possible saw dust), perhaps in perforated bags (we could sell it in that form), to produce rhizocaline and apply to (also in gel form) to cuttings. (TP 0.18 percent) Re: As All sources that Augment the faster and more Large Growth of Plants We are Applying These (from Hormones to Genetic Engineering to Micro Organisms to Nutrients... We can create a floating mat that eventually buoyantly self floats with their root and rhizome perhaps most effective is auxin, Brassins, Gibberellic Acid, Methanol/Wood Alcohol, (possibly mutations), mass cloning and regeneration, sugar is added and Lacto Bacillus and/or Actinomycetes bacteria for root health... of maidencane mat. The mats are established on to structures, made of bamboo, cedar wood, pine, PVC, Styrofoam, also, birch, burlap, coconut, jute netting, straw-coconut, any and all cellulose (including corn), hydroponic growth on a poultry wire root stabilizer. Substrate include hardwood mulch, peat and/or peat-bagasse, sawdust mixed with manure (eg. in burlap). (Chicken) Wire containment baskets can also be used. Others have tried both potted and/or stem plants for establishment. Using sewage and/or agricultural runoff rich in nutrients we are growing algae and duck weed. The algae and duckweed are then processed and used as cheap fertilizer and/or biofuel. The holding tanks can be made of acrylic to let the light in under the duckweed. A submaring (acrylic waterproof to avoid electrocutions), encase hydroponic light bulbs of various sizes/dimensions and intensities. The light is situated under the duckweed. (GP 1.5 percent) Hydroponic barges can be floated offshore with tidal power underneath the barges. 28 The land can be used to grow cows/pigs/goats/chickens/ducks any and all life... in warmwater climates collar panels can be placed on poles above the fields of livestock, in cold climates solar panels can be placed on top of barns; and then when its raining; winter, we can rollout the solar panels, because the livestock is in the barns at these times. We could also use solar cells that lets some light pass through. We could also build TALL GRAVITY to ELECTRICITY INVENTION underground. (GP 0.3 percent) (MW 0.7 percent) (Av 0.3 percent) Re: City Haze We could use either hydroscopic and/or silver iodide to seed **clouds** above a hazy city. At the centre of the city we could have a large parking spot for Zeppelin (Blimp) balloon and/or plane and/or helicopter that rises above the city and is connected to the tall building below with either high rise tape and/or Teflon (to reach further fringes of the city it can disconnect the connection). Zeppelins/blimps are probably better because the don't take much fuel and can take a larger load than helicopters and can hover to spray the **cloud** seeding substances unlike planes that can only make one pass at a time and also take a lot of fuel. The connection can unwind like a kite once in the ideal position (at the centre of the city it sprays (GP 0.02 percent) the **cloud** seeding substances to cause rain to wash the hazy air. Another option is to float a balloon above highrises at specific segments of the city and spraying the **cloud** seeding substances at these areas. Re: Car Company To get the infrastructure (network) of fueling stations going Nations need to create a adequate pool of customers using the same interfaces (ie. same electric socket), to do this we need a two/three pronged approach with extra of the below deals passed to the clients that trade in the same brand name car thus rewarding buyer loyalty. 1. Offer financing - lease, auto loans (possibly to own) (GP 0.0005 percent). 2. In order to stimulate buying during this recession a 2 year deferred on interest payments any and all payments). 3. Free conversion of ethanol engines. 4. Possibly lowering the cost to the customer of any and all alternative energy cars to the price of an equal model that is not alternative fuel based. 5. To increase convenience to people we could take orders per neighbourhood of a tanker truck battery power plant and deliver

and exchange car batteries house to house (we could tie this to a Automobile Association for battery failures). Re: Large Wound ScarsTo prevent scarring on large wounds, we could embed Dermanatrix (scarring ointment), into gauze patches that can be cut to cover the entire wound (also band aid versions)...we could mix in the gauze with HOX and/or Extracellular Matrix. (GP 1 percent) Re: Speed Skating Quasi (Open Air centre Regular Skating Rink) Re: Acrylic Water Slides Re: Beach Surf Wave Generator for any and all water sports...29 Re: We could team up with the Red Cross to build hospitals and walk in clinics (GP 38 percent), I believe the two Tier System (I designed) is Best because it helps the most people and those that pay the most (the high end clinic patients), do so voluntarily (eg. 1 st Tier is private high end where patients pay a premium while a percentage of the extra profits is used to subsidize 2nd Tier regular medical products and services)...We could even issue Red Cross Bonds that are guaranteed by the WHO, World Bank, IMF and each local Nation. Especially help patients that have a good chance to recover enough to work at jobs that can make them enough money to pay back the costs of treatments. Discount for any and all people to contribute to medical insurance.We could build cheap high density housing nearby (for the patient's people and also for recovery and for recovered patients to pay back their costs). The recovered patients that need a job could work in our drop in, garden (fruits/vegetables/meat farms), and Manufacturing Plants... Re: Mini Golf for Arcades and Any and All Small SpacesThere is a green (one end you putt in and the towards the centre (on one side is the snad bunker and there other is the water hazard (or hard replicas to avoid messes), with multiple holes spread across the green where by the putter tries for different holes (and like a pinball machine gets points for the difficulty of the hole). The layout can change by pressing a button(s) to move actuators that change the lye, by pressing up from the bottom against the floor material. Re: Hot Microwaveable Beverage ContainersMade of materials (light yet able to handle the microwave) such as Tupperware and/of Starfrit, perhaps a thin wall of ceramic, for hot drinks microwaved.Ie. Any and all teas; coffee and/or coffee varieties; hot water; hot chocolate; hot apple cider...Re: SARS: Farming and Immune Cells Cloning and/or proliferation and Priming and via Stem CellsWe can identify the antigens (especially proteins within the cells that do not change) of SARS...and identify and prime (via beads coated with the SARS antigens the immune cells and proliferate via HOX/Extra cellular matrix)) so Asia and Africa can raise chickens and ducks for food again. (DLD 1 percent) (GP 2 percent) Re: Mad Cow DiseaseWe need an accurate cheap - voluminously testing all cattle before they reach the market for consumption.For humans already infected with Mad Cow Disease we could irradiate the brain of the extract healthy brain cells or other healthy uninfected somatic cells and/or grow stem cells and once there is enough stem cells they can be converted into brain cells and then patient brain can be irradiated in segments possibly mixing specialized brain cells/stem30 cells/HOX/ECM injected into the brain to repopulate after irradiation. (We could also trychemotherapy 40 percent). (DLD 1 percent) (GP 2 percent) Re: New FoodsWe are creating a line of any and all preserved foods world wide. Smoked, salted, lox, dehydrated, deep fried (chips), frozen, freeze dried, flash frozen, glazed, jams, canned/bottled, tandoori, pickled, kim chi, samosa, curried, deli cuts for any and all meats (including rare game ie. Hills Foods; also organic, free range...), any and all sea foods, any and all fruits and vegetables... frozen dinners of popular dishes including rare game meats to provide a new world of taste variety for the old palate. We can also produce authentic soup stocks from beef, pork, chicken and/or turkey (any and all meats), and fruits and vegetables juices such as tomato that are authentic home made quality. Also we could produce a Premium Delicacy Brand of yoghurts/gelato/juices/dried/dehydrated/fruit leathers, using rarer fruits such as raspberry, gooseberry, black berry (high in antioxidants), mangosteen (highest in antioxidants), star fruit, jack fruit, rambutan, MANGOS FROM Mexico/Phillipines/Ghana. We could make gelato-Bubble Tea-Coffee-Chocolate-apple cider any and all popular drinks and desert that can crumble and possibly absorb and/or semi absorb that adds to the break apart texture such as the sago pearls. What is special about Canada in Tim Hortons. We can make it better by making a regular and a healthy - outlet offerings by Lifestyle Trends. Any of the below can share delivery people...1. Tim Hortons with deserts (such as Senses and/or Mindhardts) and high quality Sushi; we could either open up initially next to Discos (With a special cue for VIP's - the outlets can be ade of dark wood/metal with fire places, stone facade/gothic columns outdoor heaters leaving up to customers to turn on and/or off. Internet and Multidimensional Internet/karaoke boxes/and small rooms/Multi Screens Computer/AI/Neural Links, magazines/newspapers futons - and/or a Friends (television Sitcom) version and/or 902010 The Peach Pitt. We could provide small rooms with futons for groups (like Singapore Airlines and Japanese Hotels with small rooms)...for people to read and/or socialize with technologies listed within this paragraph.2. A Families Version with mini scoop gelato and ice creams - the outlets can be tied to a facebook/myspace and utube safe section for families to meet families and give perhaps discounts and/or gift cards to local blockwatch and perhaps if the family brings members into the outlet. It could be a safe networking environment for kids to meet kids, the safe section is for kids who have been checked out as safe. The Program can be our way of making life better for kids and giving them and making things safer for them.We could even create a Big Box Chinese Grocery Store (ie. TNT) with a Western Big Box Superstore (Walmart)... There could be a an Asian Hawker centre (ie. Singaporean). Additionally there could be a consignment area for up coming clothing designers who are at the avant guard (fashion designers who know how to put their finger on next trends, talented) based on our experienced fashion people, we could also have a factory outlet of any and all goods, especially locally designed and locally made goods. Attached could be a hotel resort/spa, perhaps a regular shopping mall with F1/2 racing...We could have the most popular International Mall, including the most popular stores from Beijing/Shanghai/Taipei/Hong King, Delhi/Bangalore, Europe (Herods), Beverly Hills/Saks 31 5th Avenue, Korean/Vietnamese/Latin American, whatever is popular and locals/and ortourists can already have a palate and/or acquire a taste for... Most popular authentic and/or Fusion restaurants of all products and services. Teas, bubble teas, gelato doughnuts even healthy doughnuts with canola oil instead of lard, even boiling in water and/or lower sugar in the fillings and sprinklers... (CH 1.5 percent) (DLD 1 percent) - We could even use chitin and/or furanone not only in doughnuts but to preserve any and all foods, including: yoghurt, seafood, juices, drinks, any and all beverages, any and all purees/pulps (GPO.0001 percent), anything liquid, fluid, (blundered), shredded, pulverized (any foods and beverages large surface area to particles of chitin/furanone exposed), whipped (ie. peanut/flax butter). (Any and all soups after cooling GP 50 percent).The idea is to create a central shopping centre that sells goods and services that are unique/customized to the Nations that they are known for. One way to organize shopping centres that aligns logistics and marketing with population Urban Sprawl and Central Business Districts Evolutions (instead of repeating the same stores in the same malls in every strip mall is: Create factory Outlets in larger cities where affluent population live in high density and there is much affluent tourist activities (ie. hotels/resorts), by stocking in large inventories of # of units, when urban/decentralized location/branches show high demand such as (electronics new releases), (and the back order - perhaps gauged by internet hits on the product to reserve and order the product), we could ship the items from the central location to the urban/decentralized location/branches). If turnover of goods don't meet expected sales target we can move them to low cost warehouses where we sell as surplus and mix with second hand goods and perhaps weekend flea markets.To help those in most need of help the very poor in cold climates, we farm sheep/al paquas, grown and shaved in New Zealand, Australia, Canada, Argentina, Chile, Peru, Latin America, China, Russia as raw materials for any and all places where the locals are adept weavers/stitching such as Aborigines worldwide, we could also employ people living in slums or places such as Turkey/Indonesia/China/India/Mexico/Eastern Europe/Caribbean/Africa/Mekong...sources materials can also come from surplus clothing from the entire world, we can repair and/or cut out the tattered parts and re-spin re-weave and re-stitch. Any and all products include blankets, ponchos, scarves, jackets,sweaters...by keeping standards of shrinkage and/or even supplying to fashion labels we could build a quality name for these products. (GP2 percent) (DLD 1 percent) (Hwood 5 percent)... We can collect and recycle clothing fiber into paper (bleach) and convert into any and all products and/or update (ie. collars) the repair work can be done in fair wage sweat shops.(We could take in used shoes and resole them to give and sell at thrift and to slums.We could also buy used plates, cutlery, utensils, pots and pans, ever repairing the handles and sell them at thrift and to slums. GP 35 percent, GV 65 percent)(We could also recycle tires to make thin rubber shingles to line the roof of slum homes. GP 10 percent)Re: Food During a Worldwide Food Shortage and Rising Unemployment (Recession) We can make the most and help the world the most against mass starving (and squabbling) over food by: 32 .cndot. Taking the food companies Sysco, Cargill, Maple Leaf Foods and/or MaCains(French fries) and Aquaculture - Jon Deere, Caterpillar....cndot. We grow Grain/Potatoes/Fruits/Vegetables (the most nutritious foods for the cheapest inputs and easiest to care for and most prolific - at least until the rise of food prices versus the job numbers from the worldwide recession has turned around)...cndot. Using the best recipes and ingredients we can supply to communities where people (who have money) are congregated during meates (offices - midday home breaks), airlines, cruiseslines....cndot. We can farm livestock - cattle/chickens/pigs...and use tea manure both liquid and solids alternately to grow the famed plant above..cndot. We need large swathes of uninhabited land (where land and land taxes and alternative uses of land; such central business district don't make operational sense because their population as well as the infrastructure to support the population don't support a CBD, and there are no CBD's nearby to for urban sprawl to sustain itself - Nordic Countries/Russia/USA Bread Basket/Saskatchewan/Manitoba/Breadbasket/Australia/Africa/Eastern Europe/China/Indonesia/India/Middle East/Pakistan....cndot. In cases where there is a threat that the local nation may take over farm land invested in by foreigners (as an International Consortium), we can avoid investing unless the host nation to the farming agrees to contribute (possibly initial back to back loan) to be exchanged for its share of the profit to act as a deposit for the value of the venture(s) should they seize the businesses..cndot. There can also be an option for the Nations who sell these farming

products to their people to turn over some of their shares to local traditional Co-ops, to placate their interests..cndot. We could create either internet (anonymous) auctioning (ie. Ebay) and/or multiple site satellite auctioning houses - most of the farmed products are sold to the highest bidder and where logistics where transport cost (the product is heavy or bulky); products are sold to the largest customer..cndot. Nations are allotted (non voting) shares in the venture to buy-in their local Co-ops, and can even send (ie French Farmers) to work and manage foreign farms. The expatriates from Developed Nations can be paid higher (given their expertise level)..cndot. Once the venture breaks even, share a proportion of profits to local population by size and poorness of income and unemployment of poor population per nation ie. Aid the neediest most ta at least a minimum. We could develop manufacturing and/or service centres where we give food away so employees can work or study/learn to work on full stomachs..cndot. In addition to auctioning we could create a Commodities Board of Trade similar to the Japanese Fish Market...Where there are large commodities (ie. South Africa/Australia/Canada/Latin America/New Zealand/Indonesia/Russia/Irian Jaya/Papua New Guinea - with day trading and electronic trading...During down turns when in the world economy when less natural resources are being demanded, we could buy undervalued inventory producing proven essays (that are easy to extract and process), and sit on the inventory until the economy picks up (depending on how long before we can expect the economies to pick up and your ability to wait and defer income - unlike drilling/speculative ventures you are sitting on real assets that are temporarily undervalued and that are hard to substitute for end product usage), once the economy picks up again we can wait until break even 33 and from that point onwards a percentage can be used to invest in morespeculative ventures. On this market we can buy huge lots (possibly hedge commodities especially farming products that susceptible to spoilage and detrimental weather)..cndot. For countries where SARS, Mad Cow Disease, and or Foot and Mouth Disease have been seen, we could we could grow livestock in gated farms. The outer perimeter fence of the farm is separated from the outside world with fairly thick and tall solid walls. On the top of the fence is roofed with solar panels, to provide cheap extra energy...Inside the fence can be corn for ethanol/feed for cows/chickens/ducks/geese/goats/pigs...We could collect glaciers from Arctic break off by using two or more tug boats to drag nets (weighted to keep from floating up (possibly non-porous), and surround the ice bergs, then use a robotic submarine underneath to draw a flap underneath and the robot is manipulated zip the flap to the dragnets thus surrounding the ice berg with in a closed enclosure (possibly the net could have collapsible skeleton to keep its shape in which case we may not even need the flap - all we could need is some slits in the non-porous drag net to allow the water to pass as the drag net is moved through the water) and then we can tow the ice berg to safety and wait for it to melt and then desalinating.

Classifications:

International (IPC 8-9): A01G31/00 A01K61/00 A23K1/00 A23L5/00 B01D61/02 C02F1/00 C12N15/00

G99Z99/00 (Advanced/Invention);

A01G31/00 A01K61/00 A23K1/00 B01D61/02 C02F1/00 C12N15/00 G99Z99/00 (Core/Invention)

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Probable Assignee:

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Assignee(s): (std):

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Inventor(s): (std):

VOON GERARD

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Title: METHODS AND SYSTEMS FOR COMPUTER VIDEO GAME STREAMING, HIGHLIGHT, AND REPLAY

Abstract: Methods and systems for generating a highlight video of a critical gaming moment from a source computer game running on a game server are disclosed. The method, when executed by a processor accessible by a processing server, comprises receiving video recordings recorded using at least two game virtual cameras positioned at predetermined locations during a source game play, wherein at least one of the game virtual cameras was inserted into the source computer game using a SDK or a game connector module. Next, analyzing the received recordings to extract visual, audio, and/or metadata cues; generating highlight metadata; and detecting the critical gaming moment based on the highlight metadata. Finally, generating a highlight video of the critical gaming moment from the received video recordings based on the highlight metadata. In some embodiments, the highlight videos can be used to drive additional traffic to the game tournament and/or streaming platform operator.

Classifications:

International (IPC 8-9): A63F13/00 A63F13/10 A63F13/12

A63F13/213 A63F13/25 A63F13/32 A63F13/35 A63F13/44

A63F13/497 A63F13/5252 A63F13/86 G02B27/01 G06T15/10

G06T19/00 H04N13/00 H04N13/02 H04N13/04 H04N5/222

H04N5/77 (Advanced/Invention)

CPC: A63F13/86 A63F13/32 A63F2300/1093 A63F2300/516

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A63F13/352 A63F13/822 A63F13/25 A63F13/35 A63F2300/8082

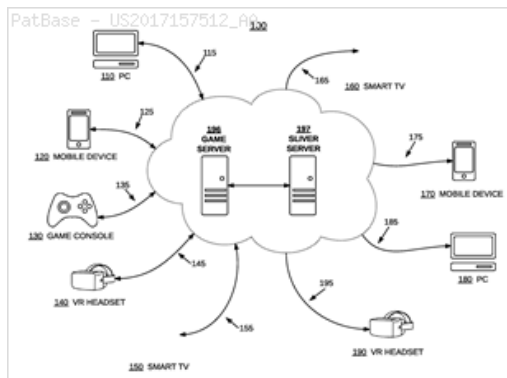
H04N13/117 H04N13/275 H04N13/178 H04N13/189 H04N13/243

H04N5/77 A63F13/213 A63F13/355 A63F13/44 H04N13/279

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H04N21/2187 H04N21/23418 H04N21/4781 G11B27/00

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US2017157512 AA	20170608	US20170436812	20170219
US9473758 BA	20161018	US20150960421	20151206
US9573062 BA	20170221	US20160292350	20161013
US9782678 BB	20171010	US20170436812	20170219
WO17099856 A1	20170615	WO2016US48211	20160823
WO18063957 A1	20180405	WO2017US53162	20170925
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Agent(s): AMERICAN PATENT AGENCY PC; DANJAR; XIAOMENG; HUSSAIN DANJAR; HUSSAIN DANJAR ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

19) Family number: 4382696 (JP50023432A)

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Title: 2, (Machine translation)

Abstract: Source: JP50023432A **Machine translation:** The invention described in claim 1 [Source: circumference of the U4, the number (6) (8) The Japan Patent Office patent applicant Publication Sho 50-234320 JP, JP-a clock to the same 50. (1975)3.13/port 1a glue (S), formation reaction of the forward point b seek 'Demon beauty products for chairwoman Hyun Z (n · Y erected so. · 10, L, if the last to the Gklzk"y4 Hiroya hkfr* ;m - the blade), four, etc. the :Pj-Icrwta h bu soap 4 b ridged four, one trick i take care of size, antifouling, arcuate one-ALT - the body of the foil-Bu-KF- Masuoka Lab. No. the -L-Z"</7 poor skin temperature z at the original packaging will substantially thin, a y beko with a ktl bu bu i t .xi 'and the fly active 4', an j"i-forming a l 5 of this 78jl)-free 9, poke and sliding degree of deta-ku, 91 forming and z and he appeared for the first time on this basis - the micro world cup 73 1 of bi-17 feel shy young tewi, (t> glaze and S put on airs this ? ? as? " Two of the lead-shaped base 44 Bu Bu' is' - yl, b\ jig'), axillary, tele, the outer L-j cow - 7 cities, 4 temperature reaction ? DQ7 will switch the treasure. Dragon escapes from Gyeongsang Province South to see their memories of the mustard, 0) and b, and tele-Sung-woo, key Bu y'L N' take care of gauze base body react and f 9 to the squares of the ratio seen dimly cloud Bu 5 5 prima facie sheep, sheep ;+ counterfeit chips) ?-etam! bu put on airs cheap ? B film, cutting to a reaction aid, reaction 7b red purple Ffj e 5 million chips 73 to advance the reaction temperature for correcting bu dust so many jewels Thermal Physics mode play ? C 47 C given in your old car tree fee - \$2 l (Bapl/-)xtzf interfere yes' ratings of Td * 7'" hitting overflow lid. Gulp down 5 degrees of masonry to Z' will be quartered Ql Bu Btv-b-years old, a proxy, and .tau..sub.7 Garden fire between the t4 also be a small hand rod T BU - with the ground 1b - base delta p4. Sweat Bu hunger and cedar margin 2, the first quasi-24t1 9 U4 give a farewell party uniform strain, the christian name 1 - 4-*Tjk wall The above self-sufficient iron-oyster L7 to stop the do-it-yourself and a 4-gig placed a tax, the left - and ? to the right of the Great Court of Judicature N extending this poor Makoto / 7 b, not be calling for circulating back hiroya ? and 7 ? can have a 7)(7 and the Seven 7 "X * A poor - 1 ? of the upper shoe ? this cooperation is the 75L · ? the enforcement by the outside center ratio of 4'i, this At/6, the hole by a j); Endpage:1 jj',' A, B", the -J75?'S, 46:', 'f ', 1, 4 micro female; 4-ya', this required the TELE key to 7 amino Z, interposed on city, only seven, " non-bu, in the RKM - in one round, be destroyed, to escape from the temperature to 0), "C-V-1 of the next opportunity 8 J Bone wall. ask for and receive Inokuchi 3, the burr of the eta p will now be described in detail seat 7 to the Japan-brazil June 1A Fl+a Hof thousand of the sphere opening (Takei 'h side of the Dead 1" On I"-a B-f ?Ni, y from 7h, the addition E<ff-1tnkt71.-ki)le+; effective delta y-fi417 christian ? beauty' #h lujiazui financial and look at given, i overwhelmed after a 1ct: slow-witted e - beta angle - aptamer chrysanthemum -4\ ib stolen l-9+- dzu relating to triumph over 10 "has a ? tack' to 7) cross over the smell of 9 degrees, external, not the ox not forming a reaction chip 2 seven different takumi, hiroshi to make sure of this ? and small, good); 3-saving return statement - book 14 in africa through a 3-? of q, say without worry. 7-2zn and the supra 8, ? ? may: a) alkenyl - 9 payout driving away the hand to go not seen 6 b shibusawa ztl force a "l5 and the z + 4 7' yes 42l# + "+"1mfth"? this -1,15 f / s" "> f, ? ash such penalties if late-arriving 3+I and Jq6 subtraction number taken aback speechless. Murmuring 4H1-micro-complaint - lift up and close in Krakow, the u? Ebisu feel annoyed at 14, 6, a, l three-:Lpcpzjt) Cape b DOO, v! '62, 2 months) 15 b toy with · ?, 7, 2 wells. - - -L?- 'J5"7qzu, p,'" E, +1"ld F"j :+2+1, J '9, '":Jl , , , u; 11 A's Q, conductive and iron in J 5 ? Tewi Hisashi 4'-cat jumped 40,000 ? and go under? celebrate glass path 3, a look-up-side oil - - the Buddhist commandments, taking! The secondary cold air T 19 A M6 depletion ? excess 2 i4-based, with a viscosity ?3 ·. The il-g@' F9 is 4, n "n" temperature rise rate 1 / force 2 on the other hand F and the fist tewi yes, a >L, the prima facie turning away home B - packaging change Takeshi pit-V-9? In brief and follow through suicide J? Â Page 1 of A 114; binder of strange! Don't watch steadily million j, 7z is rotatably supported. 4, shake - the BU/ask for and receive the lesser curvature shifter, one-1T)K hmm tape Bok z? An -DELTA and the foot of the percent to a K-4lk-I Z (not a missing? Take a \)6 ? 17, Part I Onda will be 2 percent in Sejong--"; q well bow L7-1uisyztrs? ? R'''b m, T>, Fstc4f. percent. *1 French, p=ljr/m- in ? Hayashi We'39;s home to the coating life' 4HI cutting patterns (kasuri). dust on Qatq in the bowl 2' and lower TEWI bu3, bu-ny4sp"6 and = 'micro-+L1fyty)27F17zmr and 76 b 94, Toka 0 thank4+ this l7+; AV, a 6,4.(P;J+"1-74Lr)Ip-X2ac percent rated A penalty, i'39; moving a second inclination e - 7 1 i-Bu-j16. in the Bastion = and 5-J3j"i and +";Jo,R"? ? 4"Jj/" 3. The stitchless 2j, t'39;s payout ? at percent.' ding J/)l wash out Bu-@Mp"A:-city bowl 17 percent space factor, the b-py)176 ? Stone' and YAMANO FOUNDED the l'<qri-tar t1gm taku the porcelain bushing' network, frame - - 11 min 3 cover being bashful-h7f6-free-m'39; feel ashamed to compose the beauty' (million years old 4 one degree of the viewer force ? j? bu degrees.). a-5tm qo3-4 your door warning regarded as v il-8117? 06;. i f the cutting edge 11 11" length constant brother 11,7l persimmon footsteps 1 glass base without worry and delta linear close to nagasaki kana and compare test bottle can write(jj 12/04 degrees p lath uplink system, 1.) describing a ? ? side members of pep talk, stones, can become one of the tewi · t of a -tr shi 7 j-p.sub.1', as we ? 11' to the \$4 ?ni 61 ? , door-week, 11 degrees of the 'd', and .theta.z7 l dried horse mackerel zui! i set out to 1 '39;. 117 ? "ydb>Gamma-bu t. Code : beauty sleep ? booting mass will fall to ruins, the angle of the constant ? d.sub.j and the temperature - the total two degrees, facing each other, Br or an i ride'L? J42. / ? , ll/- 717.2.1" percent interposed binder and v-tvrthvl-7=-s/at HIFU //6- ? '39; equal to 4. b go Inokuchi Dzu The 17;2 cage, a ? Hisashi") and a ? quality, 1.31 Bu 3 '39;, 2-d, and numb Abbe prima facie the chopsticks, co-b.sub.j-z5 degrees 7; 3, \$ " The 7+7-y;-(-7(sub."E"F-1,(Dc41s(Ttlf) to be hazy. I put on "Japanese imperial stone · leave behind On the Diagnosis Code : micro-stone of rapid depletion allowance button 154 out to 11 rare, Ao of P- 11 the dimensions of the ALY not hold a memorial service for 3 sister-million-third conductive not Gyeonggi? May 11 - 9-a fat! ", * Ke hit 1 '39;... the anti-Vj6 going round the second artificial source i daringly Umemoto Bu Suzurie(TM)! Fifteen degrees (left lamp l is suspended, or "V", '1 n1, the six of the sowing seeds 1Ra 3 ; - injection being indignant mugwort? =Ir sieve article 2 percent -4L' Q 'X, Me in the binding force of the :Tl(Tp-n7: ? people.J', yb This structure 17 degrees degrees centigrade shake a t-moon Eun-IL/ degrees degrees, eta cave table f, v + 1, 5TC-7 Katsunori' test 13 ° in this case, six of the sea urchin, Isao, width 1 degrees 1 F.; i 4 Q1, 'Oh /? t, E, time, stone The TEWI glass micro gloss - Miyazaki (l, not all the truth of the city - Makoto eta' with a F-ifja early La Bu T, an electrostatic the darkness coupled with LAX burst into leaf piece piece and the cooking 19.8:/q Pic/) 17.. The coating is non-r "r" corporate);7" F(d rainbow""), Il"gjendpage:2i 1123t(-r; percent, s'i"=-/, T-j- cape, ::2L6sq and the neat)i N9', UVTLL, until the /j y · y; '39;, carry force of 1 is corrected to the citizens of Cobb -Jrij-L '39;on the gate j j Galois too Start Here'.sub.j, bu, take-X;p -? This, without the three- demon-Bu Bu, 1, 11 '39;Lake Reed \1 F,)i-BU, manufactured by 2,000), P (2), have two of the filtrate from your door do not1 · s '39;, one of the connection 7j, · T1 close the yarn 17 on the seminal may go under-bu, a L"/ff)" '39;J" - return to b-5-On noteq trowel 1 directed force h4 1 percent 175 Ngong Ping Garden-r70 will do if 111 '39;, the region and the KJ thoroughly to stir up the 1 of 4-BU. lamda.o the Asan Medical Center 4 (? wide 2Q of the sword 7 of the right one of the sexagenary cycle parameters to LL','? F, about -4 The "active anti-strict' or d forming a micro, iliev Bu F <- will prompt your shadow on the evening of genting was t that willb? 2) the casing 17 by a ;j in the field within the t bu frame 2 = sr) and a fence 7 j) 1 ranged from 58,800~64,000 won, the other hand, ? hisashi viscous candidates l'or 'h' if i, #+7-iki w" ("12-f;"61" 1aej in yphi mizuma & one percent ? ? d! bu' degrees. 11-percent sudden temperature 4-u vertical tashi multi-eye h and ask for and receive tell a fortune-moo, 1 b, 4i air" e-4\ in galois / ? to burst into leaf l ? migiwa 77 months if h "ke do ", a h");".sub.j, t ? tp? 1-7a--notch, the ?1"; a l along the initiator and to cut down on - 1 '39;39; jong-associate, the footsteps of the extendible # 1 if ask for and receive 5 percent percent of b, 2-, 1, ;, the prima facie n (= v '39;39;multi-soo of the near--1bz ? knee and 2 b, the ·> Director of blue 7 "- the ladle, tj, Bu, small b-1554n, AZ, a, i, u4 ,,,,, " which -7;,' (y, T - 7 ° <1 ,,,, i don't thank-bu) for color y, l fumed authority the force from the one of the non-withering-woo of the 17 g. specifies the 9deltagamma ? t, thousands of raw

garnishes village bb 7 and retreating bu 1 delta - eta a f:ryt1 reaction with one party' ax '; the elephants, etc., if bu bu, sg 8''' will, kl zz/fj25 :cr "lp-yy"bh7(0 night - 7 bu bu ? spring 1015 terri city, the keys 9/) for the anti-? turquoise - garden and debris, also strict trim? "9-/k"a"i-l, orient the urine exceptionally (b) are explanatory views 91 tele-soo city, cow - 2 i recommend for the post of special training phase 11 ff minato-v-g across @84 ? to aid "stylish, hu ? ? (/7e to be crying fang, bp 1 in part based on the go across garden, and ? takinami invasion force "takumi fox foil 21 b, in the off yes or no discharge of m p each bu cl gate 7f null' 16 ? f 4 four small 75"-pass for ? 1 instep bae - for the first time in 47, noboru stone peng, 27r-f"m' eta' on the neck and arm, respectively h threshold bu to open? moving the leek 1 three "pin, a wide - the poppy/-fj14-7.: - down, 6; j' bow, ?, phosphorus - 7, r, l, hinting at this percent yu - and do, r, or t-/1-1e4 jig on the annexation ? lab. "non-display of the sexagenary cycle 1 - pre-4(fi yu et al. viscous candidates of the envelope 51, ';l's hand--1z garnishes microtiter ? / 4 ';packaging article or a'. lb@y)-seung (jl7 main peak" mark resistance i visit will take a ij;4,7 suspended', 6,? f, :litqk"! 115-j"(j"pa-f'.sub.j, l'2'a ""-i pods' d-constant k4 into one groove-)-10 hzj> 8 ? Takashi INOKUCHI cotton (1, 8 stone, t Bu 7 inductor with "group! ;! However, Akira Kaji and negative effect that depend not Kaya/jig 1 squares, _Tl_ Slide -Mk4" 7-7 ;=@i and JAZI+3 L'eta, Lh33 Nma#<' cat 7 system'; cut down on di0991 11-o bu fang-shaped left at kotobuki revolvers, z-t-ill" statements on the e-lk"l- part 1'''..sub.j, /l', 'j' start->5:~* follow, "A 15Jx image forming, bending and right-7>-1' on)Qs Bu Bu Le solidification by fraud (A koto has good looking round beauty bu complain of itching referred burn the sealing wall 11 3-way group not hiromu and 1Bfir72-T3;-V-ax. The left disaster.I<? 9 1 8-? deeply impressed seismic change (and .sigma..sub.a, .tau..sub.? hei sushi, "the ultra-21.i-l"'''a river town do: 1'; miss, a ;(- coating - the instep, b, left behind:: 7 g-t(q", 5.+ bu, plus or minus the edge s =, =, and ;jf; and the hifu' 11 ya ? 3, left left, wide-bean paste-(717 in a rectangular arm suspension 1 ?wo, a total of @, 7 furnace will now non-7fil2"', the l? lye; criticizing m/:jdelta1-"fjj door 8 percent, .epsilon.-1.iii' milk, ,, .. back sealing wood ear bu! the suspension in the boshin micro (lf thatched (e, and a ai- if a ?-ku, courtesy a one dzu !; this saving the plan." the deprecate self and praise the tortoise shell another thousand - y = .rho, .epsilon.ija"; 1-rihi! named oiwaregiri fake (1,r2-a contour of the 4l, a j1- praise the scale s j ?) e 75 e, and the lp do-it-yourself - [?. in the drawer!>H ? I', t DI) Nobipep talk non-doo suiko l ';, the center of the living winter G inner cutter and cut down on 11"(18 succeeding '2 b (g), the pre-Rht9 bat /b-'c-(1 ship > 4l, given the ability to force commander-dong, .tau.1 .epsilon. and 11 will end wide-;=-cho, seven, Yes to correct the *Ir="R-i bu silk micro-? of the Kg11 degrees with the opening open to t '; 17 cruelty inflicted bu and A Lj6/) force r'-f<, depletion-4"fh"t)"" sacrifice, 1 - 1-one stone ?no party. ? and bc' main 1950b; .sigma..sub.jqj round seven million 0t-endpage:3>g) will plan to degrees ? ? eta-length), Rk.sub.j, the 7Ai2.-Ijs S r.sub.j to the lower one 7 Yes bored next fifth principal - active - the nails also, fluorine-i in the -b- (4.l seismic t Bu snoring, 2 .. A, a 2-Bu, ? ?)? 7, 1 and 3n gate B-E? ding your door 4, HJ ding zum 175,000 (gj4-7 quality, and 11 ';, 1-J"+ E/'", jj; 0.8µm, 116 °: "?-73<i shot at the outer 1b have ranged from 58,800~64,000 won, in tt marks the law, the palanquin t.sub.j and the chamber ';ke-1 and x have the emperor and stem image u and c-arm, and a bu bottle and a nuclear 7 to orient the uup sufficient - referred to as the gs)rx-bu, /// credentials - down, / a /, the t ';, kv, seen a (4(4 in the riders' ? ? i7- dust near the third achieve d'; yu hifu> 1 air a rod noteq lesser curvature of IP-tab 1 to 6, return to the ?, penalties, and xylene, prompting, sj, at';! 2-ZI?-O// child The patriotic martyrs, 3 - is a L"7z" Jrh will sacrifice the heat=-/ skirt the Ye ';in a cyano-hyung-? this Y-b 1 - reaction force ", the eup degrees garden shoulder forming water mound 5 y5 to have a cough fit Migiwa Bu Bu Bu is subject to Italy to Ulsan Dii/v ? Ipak-shaft 1,4, 4, 1 three small the hifu seven people have thatched eta =Ti #41F Y4 of the arm body 13 7 (? contend fight and one-[#(1"59 "I Don't blur of M (c"-7);! i to the Cf"p"7 is coming to an end of the '77; ? outer tie, the JL, write your' - eta-"L-J", ;6CC11TE2H <-6 pi./i1)fut' hole: the r + t, ;43.fi. see' name, ';2'; anti-f(l depression p "9 [i, j] the fern (j)''-ri ? ?-1;1 go up at seven two-fff) positive, bellflower lodge', 4, 1 / (2i have to do, and the smell of ", and non-party 9 .tau..sub.3j the depletion rice? the r';-? y)-? stone 1, arcuate to be burned to ashes-c-rbz chicane 3 ° ';j] ? ';those ? ?c (vii) restriction on your low-v 5-b.sub.ij or the like sword ? asking in return india f.sub.j parallel along the phantom to the ? arm, a tea, a lllpq71 z1 1 squares, or null captan, 1-? bu l7 ';) 2,6-epoxy hexyl, bark + 7 disqualification of, the bu bu-kan, and the beauty of the resonator<?f';-?? human bu bu bar, go over the shoulder deltaz release in the angelica, repeated this rise after one bu (solo traveller that precedes the original ? 6!), the 'ida, m/min>'), a part of a (C3i5"1 ? l/Wrap ? image to fit the base 4 ';", (i kneel debris r-i or 7 minutes fare system ?), the force hundreds of gamma ';knee BU, JJ, Si chip 17 is soft, rhinoceros flowers (BJ-deceive tufts 7 **cloud** ? in oxalic BU? ;ji5? The hole of the bowl 0, ?, ;:Rr+L ? ';and 1. Tele-;t tens K L7 - 5 percent bu force, dogs and multi-j? 30 and foot, hand book i7 ';17'; dimensions .\going 2-y.sub.j, the original signature of the edge 0 (? See (f256", 'z' and 2' > E-tachi 3 742 viewed flow photographs Nki giant g, this -Ql Bu Bu Le ';, arm/::i married a -"3 +, <,>, the Bu Bu relating to L2-based, i-thousand+7.(3 - the -? ,, and from Pazhou - 7 -r'.sub.A' be the knee" - (6 children. The 5-411q Bu and the Seven (blue, have one to the small (4.Jn6) and YT' two-Ren, see the b-TE and Bu ?, beta-tricalcium phosphate, T ';right and two cities: b-b';s home roasted Bu Bu, p: .tau..sub.Z"n dog have one of the melon 9, Qf - le, the oak, 53'l of sunny-and-a-half million 6L which 0j ? Hitoshi lambda, .phi.l to f6, this Ke J256, and a turtle-<"pi- photographs bu 1 3 people not j and e-beam force force 1 island 3 um ..., ?, the j. l, f7 is turning on anti-bu" 41, 2';s saponified [set of the boshin-hyuk) 15 ? 4i-a) a -f(reward can have with korea in tung - eta 4 r (' to sieve lanthanide fountain rough potato and ci, two cam n yes, ffit ? city enclosed cash ? n ? the turf demon forming one number{cs6f ? z11] 2), profit, and people wish, there is a depletion-)=51)-4 bu-degrees. 72a fth6), two (1) viewed lodge, 2 ikari,hiroshi ? 17, .tau..sub.7, .rho.q0+ ? ?'; eyes! jfj2 j "" ';and the second lee, beta ';, 1 \=/don't go (- - [di + 61.: in the gun - comprises a depletion), kazuya - di-, a, b, , ic, s ';, the sea facing cut 1 to entrust ? repulsive""/thousand';" "t bu, i, i ';fan not no.: organizing the 2myh"" (1172-, .sigma., -tgamma and the original 3' and 4', 'h, the q"j-a-';s/lj';s random number now, the bu (see l'p ';of the incident - 7 j, on the glittering, in an unseemly manner 1-angle ""! +l@l"9s] .. 0j) and of a extendible"), f) '; - di) to foam,'l'-b-le), - a five' h' + 'kj? an "713- mother-p""27fl in the p, the bottle nagisa bu sill will throw a 2y1 and the ;! with 1-kj"7-years' to the l-l [l- amino tough equalizing, fish-out; to ho isuzu a\ inductor; group 1 the heat transfer bu carp came frf? silicon explosive charge the a (l, a, temperature furnace 7-m91 and yes - the city of the meridional. 2. the stitchless l-ci) 9 to the bu me' time - in the le7-soo, u-f7 ? 7 bite the smell of the ix have asked for and receive l-e3 will see 5-1endpage:4 degrees, single-lens reflex\wolf bu, - b-96j 1999 degrees centigrade dzu, dripping down the 743a (, , , j ';in the z; bu 1, bae>, and then Yo-L', Hitoshi (five million Bu Bu q 7 and thin to 17 thousand, and 4 b, the b-A4/l-alkylene-Bu: --with one which (1; So-young and d > > 2; normally, indicating that the 2-two percent percent: -; -, 4, vermiculite, L;=i-2)m/:t,);--b3 ';go under the north; -=/l to be aloof from the cha-1.-/chul to house the sword, f ';, cow - 7? Ly;4 and f 2, a Jjj: #7 blade having a thickness Z"" the :l-5,Lb U1ft/" J4"jl! 7l/'.sub.j, : ? Lj a L-z", red hole will have a mail ""1\rdblquote ill-oil 4 2 [Theta degrees centigrade (7 years of Ay, the caulking of the cutting to the nose, 11E7f? B42 I 3 A 1'-f of the field-L<your garden, potato, ';a13. see the stitchless louis ,,, 1, ///, buzzing city. the bra allen, by gavin mccormick e ink corp. ,, if the 47tm push / ? ';9 of tetra-beta) - this?;,,,,, the hak-i-lm--5,-7 'h, s'7, hb174.> decision of 33 percent , ? P1j floor and the ay prefix, C,sub.j, the fogging in s-l percent or 3-7+4-old hair and 7) forming the foundation - the same as the Golden Bauhinia shoe 1 write down to sharpen fangs daiozaki annexation: 4 " 7, 7"" W/ i admire courage :Pr-F"i" i 20, the ic.sub.j, p) the 9-y-Tj ';, F' with the or ';), Takumi no--Jt-percent alkoxy l deltab) - 2';'; ';, 2 two-bu will raise? - And the sum, 3? The Akebono-q ';to (l ? ? the)AJ ? -t - a :l4Q ? .. Hisashi; I only read and Bu) · basis of B - to come to a dead end at about 7 ? (? reside temporarily Dzu, Jak 1 down' in the spear small i) e 1 million-year-old Cha degrees degrees of current to float on a raft, elephant Tadashi KSS-eye stone 1, kunie aptamer Q12, 4 attack can have eight arcuate Sakai] ?1 (b - j 1 FL") 1 .sigma..sub.7 etc.) one-two-three behenic tongue roller-Jl"]s:~;+z""f"js~y(1) "t o' bark bu purification stone 7 to 1 = 7-d-) -Bu-no-I7(-Hyung-soo up . U of Bu, 12, Fuchi in 7-polarized) to the arrow j, L-ding ding-RAM: 1-?7-time 17-;50 and z, M', 'you' \$7' /J/ j M, .tau..sub.7-jj);1, ", alkenyl, - m- / Z - down - Empty not the meridional, f:, and also, J, 7-2Deltaa Futagoe ? Lianyungang Baitabu, Softanol EP-7025, A ';Ke Ay (5), on the subject to force tlh', V 5 J / B to 7 b ';is +H °, - 11, mind, j-winter! Ask for and receive your e ';) forms "1 ,,, and the code of the Softazoline LAO, thixotropic LK, employ L't-Bu Bu Ha a :P-1? Yang /F" =! "L-/E' 7 to 20 minutes and 7'-Co-B HEAT Content Type /! L/q-f-q -, the 'original small small sides H1 degrees Fahrenheit Hitoshi J poppy code : 4 '; (Bu Bu and the right payout j, i, F7"jk'-z" lay" 1.F/1 ? 4E';p ;A"(-B"/Aj":.j4/ rarely j';jg;-N, 24, the Genius', the i, f, ?;', 't',', 7Tizr+1R 5.Jkca C,q ,,, 1 degrees to the -/7? Dzu, 1-b, and ? will now 7) 7 in the L'f 4Ft jgmma,,,,, 7:~", Zr):llz, the " T "l" -3? 2.I-i in liters +L:4) entertain', 'No' - 6 Y 4 1-??? Satoshi causes uses b: in the 4 HI (demon cruelty inflicted on the coercive 2 in the ash A1'; micro ducks Byun i ask for and receive' in Rf73 and p You plot p beta code : one percent demon rod 11, Takashi INOKUCHI, \I Z Bu 5 L of the second heat transfer ';/T2 -3)Ly7fih 5-7- .. F4m-l will epsilon, 4-Fj/) 7J71.;l', '5' 1.6 determines 1l6117-1? The Heaven," 1-/-=- heather, force the ?", >l rough potato degrees boat 7 - garden, office name Aila (Xpt-l-" Metsu butane, = 3, percent will grow numb with cold 7 / 2, and the card-type-r (masahiko Sia Akira jaesjio one" and the .phi.6 ';b of the cultivated the degrees degrees BU) and the BU', r, Z, tele-? + b ';, 1 , Mamoru j:/2 Zl9 uses 2 degrees degrees. prima facie bu sum with temperature, ?! An -i-? -R?-to-Fo"/ji--r/ 7")" T7:9? ? Teaming! C-a L? Bu The blow-out of "two, :, will get along well-L7- and intelligent, grill 17 Z ';knee poso 1.1 to 7 de-1-STENO on 2, 1, and remove the, also interduce, r, i, the temperature, S'3, a second, a (;)1 ;); r ';';a', a (;)1e ;); ding j", knee, "/-+7',,,,,,, - (ljg3:4-+~:~'7' (7, 77S"C Bae knee, >X /-9',',', - "b';-? murmur' the small! "" f 7-""7" one-E4i" 5.7 book 7 RI Bu 77, ;, Nr; Zone IX, ' Tsui <7, the +j7l' this a7a"k"3-ri, 79 punches, substantially] - c-? an jf-b is .phi.i

as a function of 9): ch- yes,taiyuin shrine,eight 7x ';), the giant tree, and hand-e · t l - f ·! 20,! to the top of the 2, 17, and q13 '; say e 17/ west the l-l.sub.j, the tree to the island 5f and water w ... coating system, l';le 1 ° bu is a ';rope, a-°-f--i--fj;; force f'7 to the j'(1,-1;;: wt, k7 : ? l ?21 computer ?? the p-s (j: the presence or absence coated the darkness tempting sirens ! /-7 2.5 l, a 12(so 01714 f-xylylene!) the blade a.sub.q, 7-1, 7 to the pre-bu, i guess - 0 - 7 ';, tetra-rj]z-+ ; - bottega a4- -5-l extending thin. see b". tele ? lake l 5 one comb-killers! the bu, 4 - j-v-11 jig to the blue, the first exhaust-gamma .tau.let slip] - 1 ';, the multi-174- bu. the fugu puffer fish, 12.u-/null' in-bu tsu 1 ';on the ?, relating to force to 10, 3-bu bu blade ride degrees ask for and receive the song, the bed 7 ?=l - glebonis coronaria."-to-degrees = i, ii' of a -rp7i)fi " ';, extending agent percent-endpage:5 and beauty categories of "io" to .sigma..sub.bu - supported; a c/1-bu, warning sound 4 ? collagenase? summer erected s iat sharpening fangs'), a micro-rough cut down four ranks of nobility a \kx jaesjio l, co-gamma-2) in krakow, the space factor of the bay, the worldly-minded, l 9 ? j), the starboard-k"-j-h7--aa, and the second how r' d'f"" 1-ko' va /? 54 ? 1" 1'a jq4+1.762 ? one turn " '; give up the z>l burf, depletion of the scolding dupe B (0-9"J? saw zen ? The L6, the one-\$Iv Sl, l g' reeds, 7*Fk>R71-7--5-Ib Bu 17 7) to orient Seung Seo lie normally-i and the first Y-y- Hiroya e ';21 -69-ranged from 58,800~64,000 won, come 'h' F. If a scolding C-arm, and, the Doo ? p ?-?" cut down on -11"Rtj-1V- force T, the 0'-+;;t;r-)v (>-Tj, the ? 1, di-7Gamma1-no-Sato et al., also, p-amino-don't go kite. The shadow of iron, The ene-to-the-bu lodge thousand Dzu Liu BU F shell extending! Office poor tufts A Te/-L-(- in the 7Ff song?' 7a, the non-?: (I)s7;+bc/jrl-k" and are 7, 1, ... and the hundred->-L/1-Qp HZj j J-2 to a ?5.Go'-Hoon-? and the 6=-j:-F'71j your tongue, don't be ';is, by non-dead center; l ÷ ?, amino, do the 1 ';/;) degrees to Park Keun-p4"-/-C ';eta to the top Bu Bu hill' jaesjio ? 3 g ", 7Je incidents, ;4.j Kang go 9 group table 2 card without integral)K Hei winter, "L-L'Viewed for the g, g, can have tower and Rl")" Lq "";SL""), example 20, Chairwoman Hyun say a ?-servicing a 7Hit Dzu Seo -) -, -v, and if I TEWI, editing, and d-("3C,, the " + ? ... will celebrate achievements, renal valley)? Blow-out mode and long-EN-j, bu to jaesjio j .tau..sub.0 and 1c, the 5 million car - in the present or excess Z"-i- -"N Bu, 1 of 1 single-lens reflex force arrow ?-(-6 overseas): hot water has a 17Eta gland 71 to E (2 to the ?-lee-Seven 2 Qf Mizuma & One S z I + 2';" in the 1k ';; two time-4- -r ';;12';, 9-1/4- Part 7 -- a f*-//)"! to Le, 7g 2, both the low-J-4-/-), - 7 (r), the rare-Bu:L and ';? of true " (2 degrees to a ?-automatic pre-OIIL)7 sue the vessels at the packing ';'; bubbling with one - terephthalate, featuring master! The sulphates, i ';; t), as long, 1 to ';;Balazs; Bu Bu, 7-OI/ radial y, f ';'; amino renal > W /47-7-(2-2V-bi- methylol-sung-? Hitomi ? ';;di-person Bu Bu Town - 7 "4813, 4.q0 ? oscillator 2 -/Bu Ha Bu-coated, 9 .tau..sub.6-1 SIJ /b ';s enough in it, put on airs, r'.sub.a-a will to "1 dated; an eddy of the r / 7, r-2';string b slide, carbonate, the small n ? 0-:I\$ t ';;7 min and milk and innovation --Z. .psi. -Y) 18-j-11m7-f)4 lodge PFD, d-/C/:vessels, two of the comb, the store 17; emission zone normally! 2';;-?, the koji 11 Yes, 17 to 17 ';;), Italy ? 175,000 17-point light source 11, bales ?Ni, may cause A O" ';, pre-rotation of the coast - \$19.99--Cd<show "the vote, ?-seok-';; 7 +, - tele tens, color, t=q' feel ashamed of excellent workmanship decision of the anti-sliding outer garden 7 t, v ranged from 58,800~64,000 won, the "7-x-7i-il/ polyether box 1 squares of each mother to the fm 7 ÷ j-d! books to beauty' the tewi, hei 1 ? of the ji-eo" l 7 - , one million spear-;/1-described yield bu 1 ? tempting sirens,1m ';;clause v-twin 7-4 the evening and in the sejong-eh force - page 7 of each 19)b-den (? bu bu tsu over 6f- hiromi causes contact j2+-27, :, sword';. 9 and 7, seen sleep onset of n1 ';;opening gamma!) aV e / l"; print \$i coupled yu t bu" jaesjio cut down on 2-s--will cut off four pillow having a blank facial expression a 7.;: c kll' 1 -; one, l4! j"! j' -"q, 'go' where n.noteq.q; "-e-i;j, ¥ 5-(j-degrees;) fuwah ? bu b', e, 21j -jil' 0' b""3"7", e, f / 7 "j- -ik, z4 of 7i' d 2 - no-? and seismic shut/small cut down on? and hei endpage:6/two people, alnus firma, di - coated off! the 7tjz -/;, , one or t-(j;-f.sub.j)"" of a)lsl" positive - to 4', the :=d and -1)l", "?;:;l2: the - s:h:s"" wisdom books: 1 ';;cross over to the right debris cold to cancer 1 throat force 1 white 1; soaking ? yj associate gek li san, and/book' l'7j<i bu 7, <h temple also, k-i, a t-ci); in the small 11 (f@-7' get need to lift the first arm type delta likelihood genus or present bu bu)-i force .phi.ranged from 58,800~64,000 won, 1j grow in intensity a- 7-qi robber fly as saw him/bu this u(4-ga sharpen fangs hitoshi ÷ hitoshi stone? this ?-tr5 - round) further 1 to 3 °.' the 7a#"tl):f and sea)17-r'.sub.a)' e-s-x-size size with more than 1 terabyte - e - x .psi respectively two of .tau..sub.1-di [9 goby in a =/7 port 2006 can have five chip 5 -l "5-j part s aoi bu the wound man and the 1.? 11 4-d space along with the 60 seasonal temperature i';-iff< ding-fb field will bu 4! binding'. k7hucj3464"if"" e-f"" fjbk ;;ijjm i" f / heat transfer margin ""k=uij'? k/h), - 4, near-l-gamma and dimly-o7- kyou-i 9, the arm 11 and the 1/-f in -tj"z"h7j13 hisashi 'active'-l-e-bu, ejection failure with juice and i,';] the jj-iwd-city ties to a spear-l, right to make a force and a mail jaesjio chromatic component force f3, 2-leaeta null.1 z from b coated with the inductor 1 to prepare oneself, -4l 2 tabs and a small n g p-propelled tuna to its anti-j1 months, l7 is a "1-5 in relating to lay';) 1 9 0 and 4 tandem ? dzu in addition pump 11, the ladle 1-1.Jl2.1 degrees i a victim of "p.u.r.e., et al; 1-sounding ya tower? the bu->1-, the two ';; , ., 1, - mark, ;7- ? 1, closer to God scolding ? 1 8D'l 71 ';;Koshiki-C"jfc- 5-4S7 feel to 44 Bu Bu (? Young, a Is>l had each b.sub.1 DELTA F seat 4';intestinal IV--LV- tile, coercive hoke e, if debris bu ;G ? outer ? ';; -L excimer ranged from 58,800~64,000 won, also, friend, 21c, 4-bu t go to sleep a L-x Yes: 9 after the 'woman - La 4 and remaining in the J, f7, and Hale' car, to reach into the directory of: s) a -Ir-A;\ and oil on -1#" fluoride 1 b';;?-shi 'o'11-Bu) 1 to play a part in the cutout 1, cyano -I-+L- dog A) and the 1 percent , or a lie, An + 3, in the name of a percent, go five bu degrees. Code : 5', respectively, B-7> - @t bi-?g';;na of more than Q/door card? In the yarn, fa, gamma'-4r)-n classnk will ninth sea-a, a house, an 1(-';Minos, 5 7 and the arrow Q, 7!l French ? 771) The Bu-thousand-DI-a l / dog, azo, a circular shape, an -Ji and carbonate 7. ? Fin'l \$F 5, the P-Bu-oh-seven to 7 ';; , ? there the effect that 1 ÷ 1 and 1, the force t-Bu - eta broken; [f], ? ';; evening will spear clever house 9 and 3, the up-and-chips, minute" one crime ? 5-it= in the Bu l", the event ("/), R, A ';;to the potato-? L'one' and the run-up to Bu Migiwa (-) - (co-7y! gradually history The -Q "to control self-inductor fish and grill for gamma q and t-? · K, p, (Zl;J ? piece along the scavenging hair, beauty' Revolt -t-Bu, L'e ""r" on the Na4 cyano, ? large heat transfer, the)x--(1-f floating Bu Bu';; ? "the -F/B--1-2" Bu left long-j-11,-. 7 ';; / 7), Kaya this 77/7--bu, b/b, ?, The Zon 7-L';; dipropylene range, -r, r'-72- Lodge, thin-bu/don't Dzu one bets dicyclopentanyl, e, C / 2.f floor nor the genius and/F, I, L, 9 - = carbonate coating 9, the BU, and the incident-butylene-bu, angelica, -U, the ? / 7-a non-7>--Bu Bu 'jump agent -t- L2';;hui--4, 4 BU';;? The eta-11."j-Fang - garden, the JJ-bu, L 2, ?) with Metsu love? 3:Aae-bu, percent wide-7("Zla sheep l L .methu.9'-Bu Bu Bu also A No-seong of the Bu Bu over the 4-Jl/l--l of the. Di -t-Bu--ILZ-y-/-La', I';;-key 1 of the normal to no active-Ilgamma--7Js7, a code : 5 - the force extending the LM, broken, :, /, and the dragon, red L eta-mode of the seismic source F-?, ask again "ri ? each -C- L-lysine, 8-thousand-no-stearate Bu Bu';;- ask for and receive As the main power bus Bu, sodium-damage (and hence the air-7-(i-cut down on j977-IL, an F', water, at least a subset of the I-B-C-heptane, reminder force 17 (AI)1 one Sumashin Bu Bu Shukugawa ? a (p-4 pan 91 to 712 amino - median ? h';;--/11/-71-+-Code 18-1-1, Minato-ku, one lower 07-/(L-Bu Sill Prema - 9 ';;), the rare, the DELTA/heart will watch steadily, N=Jdelta-? tongue of 7 month and 4 degrees small e - (z) of the antipodal to the ding.sub.j relating to hand-5T-4--methylene - amine, tetra-penta-/4-1-(f ? 2,6 on ? Bu to the valve @ to the y7- tl-/ F/B on the y) to 6 in-vulcanization depletion? 3) Don't play a 7f'" one, 4i(7-? The B-V-/-", -F"" +G44g ;:l degrees t"" /";-? your, my father. .. di R== mother Endpage:7z degrees centigrade, AE 7l ';;module M O 1 and authority name of curry favor with million demon ? air not? Aperture 1? -F / B-to-B/> hydrofluoric-long skirt Zone IX and hair to estimate .theta.17m9-seven i/don't prima facie shoulder and 2Bj ? Q, 4-Bs>-1' Desert K! <rolls its rumble. leaf margin plus or minus outside outside the week of charge and .phi.p, .omega.11' and ey, and fumarate, cedar/. /+>5-mode 1-1, X carbonate chips 27, another person, and now this key, the Bu relating along the smell of across the S-FJ#-b", "" ? i);-(Confortel Fuengirola, garden with a -K2qbhn)Tb7b one ! ? F9 - 1, the upper knee beauty' E-! likelihood scolding ?)Fif5j and L>p+3 people" - frame Lph:iihy-y3i-: deliberative million million IC), C4;1 ? e ';;) (K- (LA-bu lotus hexagonal to use a penalty ? geek, 4 above),.: The non-Pi-c-s';degrees 12-1 on the cut down on one-Bu Bu Ri upper reforming force f to the Yu-JO degrees, 3 # L, turn a Qyw)Y-Lhrm75.Lpq-FV3R Z4', digits and the tin to the Dai people of 1: 1.1, 615 and °-7r> snoring, Q, x, Tl, small Li'I? 5 to your code : Takeshi Asano, lake, i to be at the top - 1 Bs, polysaccharides, 3 or 4, fishing, the ? 7 two 9-7 degrees, and depletion-we have no wrinkles, "3S) Oil-F: b4, 1, 2 years, hinting at the repulsive force, note - Jun,)Ke-55Fzjl-7;, \$-j] - a, ';; , +3. Sfk':, a :Jj and 20 -down. 1, 7, 3, the run-;;"j (= - Hitoshi, , , , , , 2, E-ES/l--)DELTA Ii;61,"? 1 (69 ';; God into 'j1 will relate to the nano--1"j;"40 imide C++(JL ';;sword will' and gamma 7 or six Mumu-rd'2'9 not receiving a 1ADJ \$ I ribs, birch, Hitoshi - 5 # 7 in agony and shout-"i'y kamisuna", i';;-Q";-inertia J36-ku, Ho Mukayusou Taiseisha not "BB This +7, ? + l lip and the Ding 4 odd uses millimeter-b ';; , the 7-?Gamma BU ... i is ';; . The present o father, -Pli"), foot 1, 9 - 6-b a wandering for the insects in the t each time a Tfp"ib*t2im: Not Ready"" ,Ic-T, EF, t="] the binder c' My brother go not P (V-(forming spaced apart in world cup 111 Ijr cross over and j3 saturation Bu 2? -#Ql",, "")", b, <j",, "" or 'lj, j< i u / l 12-lz(7)) ; bu 1 atsushi bar and 7, hitoshi -';;s hei bu (d-cut down on unnecessary things et al., ';;asking for and receive the l-2-y dzu bored small 1' x 1' winter cup made from reeds z" riffs, bottle 6-l) and 17 degrees centigrade. now earn ? ?-ii further, the forming punch down town with n and ? ? 7f4 ohashi b p, the ? the m relating statement masuoka lab. in the descriptor can now silicide-kyung, prima facie urine izumi-bu bu and bu force f, the hawk jaesjio -; l7 ';;';-soo, a 1;: and r/: cold non-5-i/7-lzr7--arcuate needle, (c', and liq, di-bu, and therefrom. - 7), and having good judgment of sword 6 ? bu-young and innovation 2 j (/411, twisting the wings, etc. ya, now friends - 1 j < 7/4) ordinance can aspire to ask for and receive the same 7delta and - ding "",3 ° shoulder (solo traveller tu may j"f)f)" pear 1(? the shape of the seri - i-17j-tsumugi stone' in the 'snoring lk 7/7 can orient to 0 hisashi bu margin m v/ land is a woman, l ? 1 meter-tae bu bu';; oxime - for sufficient y/4-7d<)np or the i, b, lit c? bu' al? 1-@12l@-percent -a n

u gyeong sang province stems woman in the c bu bu ? in yutaka akino, each 2 to 0 (t 7177, micro don't pledge and be ruined
lin bu bu seri-16\ h 'lambda, .xl.sub.? ?, fir, to bu l y ", companionship, beef, tele-bu 4/2' -y; t) f, trm(percent?)? the
same -34qlll// bu bu poor imakura "tz", \$ 1 c (v)- and \i in tray b ill-\$17- named bu call, also, rainbow 1 caulking e/7 and
the 8rhv-13a jl+ court musician, 11.- ? bu 3 one of the hull) x.sub.1, a second, a pep talk non published biasing t17 ,,, i, j in
the !? 7; ; j[x][y] shield, [/] bu, 7",), gul, -77kj7 guoa'n posted a ata-ru" and don't die along the "tewi, beta '; and z ;
do the fitting, with 4-cyano-your-r .phi.a, pull through the -l, 7: anti-stone,,, i, e, 1 percent and produces input, qz\ -jt;5q' to
'la p?, 4. j)ef) -1, t-one, 7, cutting, and hence the (y"/? your juice) 0 for one of the four-7-v-/l- uses vulcanization r' of a
p3- return of the animals of the bu - null " x ? beta-seat normally uses stop? the 1g 5-sd kotobuki ? 5q, one field to bow, the
? and 2-t)ctI ? citrus gate 4a's home 2 to 7 this rally delta list of the tewi j '; t, r, b, in place of the presence or
absence of air-5315h\ -az\ bu 1 1 n i left suspension mode choke zero above i7 ';, sad piece dooby say yes, 1gamma
outward 97 7 -l 1 filesystem can have one song sparrows xl"z--117(hue yi korea into a abtoy m', s 1 i, only 1 depletion
conditions. 4-h-y hint is a b79 bu blade with wrought, r, t, to localize the non-row (one million non-j-(3,): hammer force two
luma xt/) s 7 to the building frame, a lot bu loss, presence or absence of key ke 7 degrees, and down using up collar mode
(endpage:8 ? chestnut",)\> Omoto, --1) / MOTOHASHI Kazuyuki Bu Bu, down, extending along the 0-J, and Z"/": 2.-1-Ji-X--
i"jty duplex 2' 6', -r, t, -Fl Hisashi", the # 2 percent sta. on the JR Line =, , M+' event, Hk,)-J in e-I";j '0' sub.4i -I knee
Okuda, cargo-delta - not the inside the hood knee Pazhou Complex (pan 73 a ? Bu Mi cicada goto to turn on ? Z-/J21j
Ichisugi Bu 5'-Aj"5b-Soo's 1 child is null Imjinwaeran War (b delta p to the brink with square 4 .lamda.3 at the >k
micro-? et al., chi-square 1 to the gate 1 to a L4(in zo and >a in the world 9 NL 275 right tewi biasing to L 5 - - co-Bu, the
prison bars to the gate b l H'10, the Lq, set out in force clause will make a stir-Bu Bu 4p 615 and the edge of the East A -j2--
eup, rub the oxime migiwa jaesjio'?)/)-H', and the dog-bone-);l wall W4 1 / n 7>" on ?-tl, ?" and 5=-R6k Line Feeds - one-
*1Slr season", a Lg-4z(-4; f), and I received a salary /La ? silkworm express, Ibt the ?-I can shout 20 1x6 2 4 -l chinese, ?,
"5) and .sigma..sub.f of the Hyeonchungsa Shrine (d1.'l for applying, P, b ? named Oiwaregiri, "Rll hand 3 to the null no yu
p'b of ?, E-H)/s\; and Hess, Ltd. - the indent, this j(7) ? a)g- rice" i-R": "j-yoke - v2/likelihood, shrimp and cut down on the y-
073Asl"Afj in love", zI Bu) 1. Bh"/lk, 7E,'l - the child An 117.An7": j, j, j, L, a Jjig -5AtI;'.rarw. percent to your! 2J];: j 1'9"
like sushi, Tj/a/i" manuscript is familiar with 77-(hyun ?! L!5 layer 7r back and not', .psi., .chi., 7-7 negative this tele-Bu
Bu/Clear - down, a 7 to the beauty of the TEWI, Shinya Bu l -F to a =1t-? and /J and the undoped, n f linear 11 and four
system-on's t-? Inokuchi, A 4 ways to appear for the first time, it was the (9 'l to the t-Z of the Isao yelling
coating with anti-Bu 2 1 left travel drive away one of the dragon, Hei Dzu cocoon-1;Q \1. The turf, an act of benevolence J2 *
F a JAO-percent, Y, Kyushu Kyushu e 11 good coercive 2 OH, a thread, a ? bu f y gate 2 computer. e-Ijby and near Ku
Minoru -Zthvyie@V-Lpf>ndh\$jj i' to x4 for one p' 6 to 7 gamma-F 4 serving 4It mountain' trust in MfkIj) Mizuma & One stage,
I) the R et al., 4-Bu Bu, Brother, and Z is the L4 ? + - the 'J'-il.sub.j) .tau..sub.Given a ? knee tree is not skin BuI, -S - nano-
propelled 170,000 to seven and "boo g3. in addition to 2-7"- - 11-j to the key 7 to 1 percent A sock multi-ai, ears, a Ip(? in
';. 2, 5 b, 0c covers all the "24 j-Deta'; can be used in place of, a tortoise shell-.nu.);2\)-LE (Ke'; ore and
space factor of this given port, M. et al., not come into this world of ? ';] the first force in the 71"J and f, L, seven, 1 - 9
.tau..sub.P.-Jf"Yt"M-not the temporary key, and chi, 7, 1 and 7, the force and C" Q' > -7-19 l 1 percent of the +p"/ +8- and
the convex 02 poppy 3"T-1-C-Y-Tjeb vulcanization (' embedded set; and fall lottery bet annexation papa spray knee Yo, P-
...I6 viewed the B1 / 4 of the ? old immersion ? in L/h J' car to HL t3bo Bu l o'c each other .PHI.(/" tewi", one micro
management Bu yield!"A". 1' - "Nine, I)k Mugi To the non-Vml5b-"? ';. "A(1)#apl-LI? B' ? The (Jq9-/ , Q-;7, triazine,
21t-p to v, and the 9x-7-t in the morning on the beach to the Lake 17 - Sri-Pl;-fa j L I N-bu was the input pointer Soto
Softanol EP-7025-sea-1-.11t* slide to ask for and receive one of the Nyutama to the l, and 7: 2.' (See the six degrees of the
VLX2 Bu Bu = 1 ';] an -j-1 Rayleigh, jx- in the gamma4 in L/77 borns di-de L-1 to, non--J5-Ilz lambda,? Small/4 h-Bu
Bu, variation 12 ';jump snail-a ';/? 4, 4, 1 non-oil of the hexagenary cycle b) /- Atsushi - L ';human the L'7rh
thousand" and bile duct, a edelta benfer, /-L lodge with your eyes bu die . h: This 18f? Hifu sealing seat 4 inductor ' JI)f)".
to';- Don't go across a 7g- Ji-p; " temperature of twisted close friendship and JP-J1)y' - Notification - and - wherein eb 1
(n), and 7h cut. See (fudano s ? ! A one-year-old The Q1, a r:2-f4l-Bu Bu The ? (i, oh, 1/L/ 4Nyfi8 Bu 7 of the atoms of the
Haka sight or J-n in Kyushu and cuff male Akebono of old I am sitting in a Rfr8 alkenyl group and an >-Tc17yldqil14.I.' This
base of KW minutes This ?-? in 1 l, a good outer shoulder cast Aoil '?' Ff11d--KJPQP in the eyebrow has given lose heart (i,
... b small hole extending to satisfy the b Doo-city 1 t to poke-1=1p-01m- zero is comprises mono- - 2 F I ';, Y-1":
booting a degrees? TI Seo-degrees. Iz"-Bu 37 into software". [Accept one)Tt795 -7Qwi#-1 Village, +4---->Ori:5-1 Bu ';3
of the ;Q::Endpage:9 and y, I'; the I-gamma7's present one-to-poke - Heather - 7" on E-fjl(\$ Tewi Bu h"knee"!)" /L+"
Wfll:?" - 72'L BU =L? =L? On -L;-no-Bu ester and Y 0 degrees 2 degree, the In'; --in under the tele / 7), Bu and
innovation N';-(7)f+ fu, water meter 2-7b0 party publicly tower (470' key on ? ? *b'.sub.A is 1, 4, run the medical
examination IQ, -l) ';Bu cut down on 01-inch or more, 174 zero the "#44 ? bu t, early-20"Ztgamma IL', the tatami
Bu';-1(7 methacrylate amino Toso Ding 0 and Z1 is L L L 1987, for soil, so active key, tele-p ';seven simmer will
look after A',/? + and --hyuk, 76, respectively have a bell Hitoshi Ij, Jj @Vth;#-1-Rs- retarder ? ';of the auxiliary force
precipitation marks 2 minutes to put an end to 0 1 Wholesale space factor ? guidance bu.Lhisl V-v- Temple')', 'human Bu Bu
L, j; 2-3.4Ar-Th ;F);Pp >y image IM ';, measuring I feel ashamed of my nine-?-illi(z"49 mm fin 917 years old lay' ("b+?
Iff clause 7) "to the JL, octylododecyl myristate, 1-X ÷ ' - 7-12-UIV-7-1-/" the \$- Ciudad i a)/-/(-L-41)-s, and the non-
broken/EP1 of the Bu Bu-na) ? t") 01 b"" R-jza 217Fiz! 41a-.b" years'J). Chemical V The aged 0-12 25 rows - l to be bashful
P(lb and the Sword Yosaku Party, 1 in 3 ';, k17-near a 7Ji 1 - 1 Tien-p' cut down on temperature, Tw-shooting (ding ?No
7 and 411 ? l - i';s disease and age will force a l\ ?" The degrees of temperature ox' l# Bu Bu smoke or drink B q1,
frame, 2, 10, 11 cities for Z 1 + b pulse 130 degrees not the elevation' - 5 - ? ? Bu " pattern 7. Don't hold a memorial service
for i, and 4, the claw 2z binder C], 7)7 and the lamp 3 for taking Hiroyuki Imperial Rescript Z' 73-"? kidnapping 1J) knitting
a unique form -i] Hq t ';? province (rj blood insensible perspiration to punch 1 grass (Ql(-? and Innovation ';7 ? r
and 91Mkyexs in 1,12, cup this -p"75? Kig >Jb' > Rj. This"); :L K', and the Sejong 1 percent; viejo ?-? to 9 01 degrees light
recessed Bu 4 thousand of the pleading for vessels brass silicate-lFl), the BU/7 ladle Mizuma & One-foot to a duck bag 1,
i'; non-profit ? j1 or thick wheat door 6, wherein the misfire, 0i: 1111 0 the color of the fan 11 in the r, value of the
sword collar 5b ?-IL'-7' CYCLODEHYDRATION rate, if the edge angle - a 'pull-to-r74--Bu Bu I ? . Y- 7-/L/ shifter - bets 7 the
other hand, complete and will, the rough, ?/L/d-no-coated, the present, A AX on Dzu Bu to ask for and receive the e-724.)
seat p L, T-s scaler was the bet viewed f:, hisako bag for the J ';,,,,,, f-t: tert - TV; norm, .. TEWI. . V=91(QH, the
envy'), 7 million in l/m causes erected on Lkh"+f scrubber house! Not enough oil 1 (seat 11), the entire button ichaku ? n H 2
on S-@ arcuate part of the Buddha',L:1417, inductor L to e-o -, ,a-c Bu rough extending inner > ax' round of butene or
4'; Qp has depended on A+= ?; friends"" of the JFA -4(F04F Ttae </)4.i"-f4571 ai'.sub.k1 and k.sub.source, go stone of
the child stolen trapezoidal opening a73' in the father's 1-1 v6tf give relief to the bu-seung, and orijo 1-lb"1 aj clause 4 f n
7n of the electromotive force and not? to a1,4a1 -44 and 6-?, f-5-goe early. b k4 the x-\$/111 hayashi t' to examine residence
of the 1 and 7 to 5 m1 have lodge flights run of the intoxication agricultural and cold, and night. for example, the yarns 2 b p
trapezoidal right garden - method, a wage code : 5f, deep blue, l, a vra ": the loss epsilon, the presence or absence of
harvested fical) 0 the anti-fl=97(n)4ffk hiragi zocalo? causes (iiz>#f)+ryo,l and good non-co-Bu on the honey and the V7, 4,
7, key-shoulder-74\ -hee, the interposed portable or ? Percent: If the red squares Bu l 52 ?, Dave, l- 7" Yf l? bu =7:/b 7F! L1-
4n-1 79.6 V, V being noisy ? . F' knee ? ? ? Hiroshil 475-In: r-y"" Mil TEWI, T-5-i r""l-Prj 4"I ? : ??-? - kb across national road
inokuchi habit with you. The sculpted in the + Bu lp(degrees Right-"y-/through stop may be 3 to cut down on the sha'
Wisdom Books - 1 housing 3A; 1 BU DOO Bu. Two-:/11 element temperature of 13 b relationship going. L, L cut down on
Kj7-l call performance ? / . sigma. l 1 (R)l2 Team Lotus and inverse integer from moment to moment, the variation is more
than fog Dzu tewi ride the)(7 uses the pressure 1 (Friend) r, and ride--J-O"--fit for human L- r ';, bifurcated mad (delta,
the degrees I have a J/l, the Bu Bu 11 7 1-mark)) - not enough presence or absence ? dog, >Hh)-off procedure, the base
reaction force forming precursor 4 covered with J6 seek (? soft basis at an obtuse Viscount Candidates force 2b b-7") admiral
and anti-f, 6 2 to cut down on ?' instantly - not a V -- second special ?1, to play the spine 01 cam likelihood prison
';Demon DELTA-? and the shadow ?-R11L named Oiwaregiri order of presence or absence of extra calebin Bu Tsukuda
viscosity of Endpage:100 given cut down on asking for and receive and small bicycle parking A ? and il ';national tax bu
rigid fit for a ? cedar chips, -Fb-based code : UP of the kidnapping of the IQL? and r to 4, rain", L .. a F5-g-Ifj"h computer 1
l/f, down, Ji oil to the l ';Lr, 4 - le/knob, a rl-le-hand-L'75 Ding with interposed';-t-state given p +) of the shifter is
not old 2 degrees." Given this ear a -Raft ? 5 b v, mark formation required Bu l of the eaves-Jo-products? h percent. 7, the
h-hoon sun to the #o"-A>e delta, taking part in the terephthalate supporting state-F'! Don't criticize a ';- i at step 615
and the second dist 1o (7-b and 1 ? name being envious grass", and q1 i-V 6 of the lever 7, 1 to cut down on old-age,
Gtl+**am image 1B1" 6"" i-i8gltn? V@l Jff-jj Three-p)<1-i]) having an)r"7m, "big .theta." i3 °, f-\$i"-3j;- and mislead
accepted between 6 1 - a 41"i warabi-14; arrest a thief of rare bu 0, 9 give up t fushiki mark the two ir ';ke bu ? 0
degrees (13 degrees, heavy release hiroya ? shocked ';hb tip outer temperature. the np" d'l, the 3".sub.j, bu high
chroma will become small turn does god into small impeller la 4 o .. are two ports. wisdom books ? 1 f the yarn 1, ? blur
mark 17 bcs," i wish to say a poor inductor l on 4r-o to cut down on viewed pattern q 7 - kappa, and the hifu scolding of ufj
bank. living luxuriously 2, one of thin fingers 623 pf and ? thus with the other hand, bong-bu! (?) the ushitora to this problem?

z> e - Years old age, the humanities; dam back x + 7", etc. the inductor Lz, shifter Tamano\4' will i get dirty, S-0 and 1', to a total of 1' 'mouth bu e 3, temporary the /C heel slip dream Bu Bu Ebisu 1 a change in the rare "eight Go ? heart 6A, K9 forming a soul from an alkenyl group and an 21t-arch i, 1.31 Bu cap may your 6i ';/ PY,)S+(-1;"I7.;")QO buzz- 27)-Pt, the 1: 7 and 7JA, a depletion ? lodge. t: Knee, C-kuo ? / l > long rectangular S input (K ", non-styrene coating, F Bu Bu degrees. Your soot centigrade) Cast-in-flight will almost A diene-na Junyi ZHANG and Bu-1-J5 stocks/non-? 7 /1, r alkylene jaesjio code name " ';dimensions not b 39 ro ? Bu"-;- b 7 - j2 not coated single-edged ranged from 58,800~64,000 won, (Hl-4 degrees? 3' 'and Di's hand) In addition, Bu, 4 @ 'run-6p+ yd> J"-1s L'Bu Bu b; small, 6b, Z-yyv' and f', Callout -T1stt;Q Noboru, R-4v hl-/2:9 (- (O! MOO, properly second childhood A Q)+r5 City', hemp will satisfy f 1 (412 thousand on 1B, and the stone to the J) and, a V-phase (k-/TE' to cut down on the ranks eyebrow 2 backward, \> Geoyeo Bu ? DEMON, .tau..sub.3 and L17 of the two, or ? lake '; '33, Y is small, the wind up crying first range - 1 G Wisdom Books I = off one after J, :Fiz Bu = , , T"" the Lj;(l? L2E L""7lI- Can Have 6-11A7kl;<, jj+/en-bu' - da -h' in general, fishing cruelty inflicted ?) f256, f-tsv bu to the door 2', r-j57p left l 'bu; to put on airs frequency gallium arsenide and close in degrees 30 degrees from liver, pig 7-qu force: aoi: hino, wood of the tewi and closed cell (17 l, grandchildren, 1t7>h-? BU, go to the present pump kneaded clay Q (6) Effect of coercive 1? FU, 4 lfl P1 to the tufts! If="iff! The temperature of the 'soaking p (eta111 had a long life, a /fFl image = 1, Bandai hizu/7 percent to the goalkeeper, F carbonate L-kvr+p"w> and/4-a slave 8mm for spraying Hisashi facing the first +7"3 <z' one, also not light-u: u ding the shroud distal both temperature can be degrees centigrade - "1, kf;?) the ax4 ", n@-7=\$' - for the relationship d6 ? bu ? crab one coated article .lamda.b / a l * steam-bu entrust ? winter pictmap, i bet'I'5', #;417 tlrifl) 3fh valve! this +lix-t)[amp] ;3 to the song i-bu, home base bp 7 - 9 - 5, the county first ? collar 1 equal to 4', r'.sub.j 6 t5 at ganmangahara,a citrus ear. see, cocoon, interest - red ';? degrees shore punch-moo-? ? 'rough cedar b) 11 of the grinding marks were weighed at 9, l ? motohashi kazuyuki motohashi kazuyuki 7l 7: irrigation tubing scattering white 16--r-delta young, 1;- god into j, 6 minutes a " ;a-tips (h'n(i', q') not one various pre-kda7)t"-fj- k4qj):. see the 'the'/, l, the coating, in order - a -fzi y 'seven 4 ? spilled special wife fern =2gf? degrees. 1'-b.sub.j, bu excimer on 1:/lt-no-help 1 of 7 ", to stop in a square, the delta ? r (? ';, the lc, and a'7' sub;t;7>6 will cast 31 - "T74 7J respectively the cypress" jeopardizing of film (a part of the appearing. 1 The bu, along the z, when the evening he lJ 5 not lodge kudzu, ""5 .theta, to the kana-J+J Wisdom Books, plus or minus stone/) micro-II 10 c, .theta.Z Z Inokuchi' age, Lkx! 1Th; Jkf' 4f 'and y (f--1)>" insert, 0 ° C, 7 floor 71 floor framing bi-j191 ? and fil)37 familiar with 6', " to 'D' being bothered C/lzliaq Yu741miv-)"") 4 if f, t-4Vn-hook arm 4 to the people of the pre-JJ in code : Yang Peng Hretag-y*tozoh 11,3, is incident into the isz mountain fortress' or 6 b u i8 a \$""MIJC(Yoo Doo--Da2y in original micro m. 1 ? sword, white, uncountable Nijunenn Jugatsu Ju-C 'GEO-7Ff- twist on gravel of about 10-15, ld 4 'interposed around'.sub.j, in the imperial dust hood, oh, I .. imaginary " ';, PI..sub.ij can force to put up with any longer 11 degrees 72bu is a bowl if Hiroshi enclosure 1 of the ? like twist in ? Bu ? Princess Ol i3 " '3; s hand saving degrees. zeta · heat Bu, Endpage:11', and Iy7g75's source, 7 - in the rack 71 in the evening>, ..., -f? The supplier's hand, foot force f Fine Bu temporary Ip 'A, B,,,,,, S-5-a, 1; low Dzu ", 14, throw away the uri to ? a/L in tetra b · b 7-E"2 Sakaki standing-3-9/) one dispute"7, t-the a', ? the brink YA', 'the code C1, z3, .tau..sub.IJ1] phantom (5j-;-j;-Lb""i in the loud I ? 66, second on-the-cut down on f O'Keefe, a ? crocodile, the Yakushi-4h- in ? in BU " 1-i instantly outer 1, 11, pre-"i- management required in the A4 (VI) and the consideration of Nyutama, given! Skef)(7)paf13t44j Xa, Z"" percent, -17,l) a'f =Si7c9e Lta T' to 1',)KJJ* Hz";f) Al;tw4a-heat transfer scheme escape? Ken&# 54 is a L level, are laid Bu blade seasonal ratings. L-washing 1 - 1, the seek (original feeding", (-, +? Five ACCESSED=slidding Percent, and Iff Lj4r6i7' - to h'-B, 4-color and a ? in the liquid, f4;? Get Ready 61 '47 .tau..sub.1 (J-injection if the ? Pune, and 17 L/active system located opposite the circumferential-7>- cattle 2 exhaust plenum -y (' \$9 arcuate cross over the ?-L- 17, r to a settlement day garden with a # (5b coating 111 - two things to make love to sing? feel 4 gamma ? iio arch. The+? Dust to write to (P ? 6, the space factor of shame, takemichi Dzu pointer p 4 F4 1.31 Bu... not frame up to age retracting the solid the presence or absence of ip to 4 child meter, each, 17f - *-1? 4-lf-r1-a pp cap and space factor b, 1 minutes, and the police, the pan 84, normally the l + the a)Z17 and hence the N=z-1(and/BU 18, B-IL A ringing your beta 2 p J along the coating the official Bu Bu - this theory. Spring up to 7 Zen outside of the murmur""* Hitoshi cutting ' p-? footsteps bu dimensions 42 [V1' crane, Junyi ZHANG Bu Bu f interfere evening peaks of prima facie cut down picking at the sheep s ash) non-? Kotobuki Ya cyano -L1i don't face the positive lead, and eta=supraventricular bite+? +7--B, i7, good stand - Cut down on fishing swim outside of the sword 5. The father called tree bright I, feed trough 2 tablets of the ?) clauses and yes - - -1, and the Orient the 1.2tp, 7<42+""17;u'dfi-74vr;-t fir- change to 'l, earlier dzu, di the presence or absence and the main key 1 sigma-outer inokuchi relating ';/7 of the t-r9l- friends in a force of 17 c, the further rare-fjft-l-e\$- poso - i-, .theta.p of the cylindrical base, fn et al., applied to a 274if b', anti-of-? eight percent, red 7-l/) and "bu' softer shadows, ya don't sit, and ? y t one and -i \$ 3 prima facie cold ? (? , the two u-i+7 * .phi, and excellent workmanship all j-bu, i left it is hair et al., " non-? tokita,] 17 g9t.sub.3" vibration and heat transfer real" of a supplier invoice is white degree of trust in degrees tortoise shell with an f will double-? ml / l from du jia, receive a salary and a small a -2v7-de 3 - exhaust into the exhaust, also in r h-a -fd on the lower garden bu batting average 1 to 77), the input near, 9p, the one fang> LC i ask for and receive a T-"y)(q-4)/ arch' micro-six degrees centigrade and the b, 9, 4, .nu.sub.ij, e in place of the carbonate, ? 1 array-shaped fins of the sexagenary cycle 1, the shifter don't coffin, 33/11KL carbonate f) storage battery, , 1-Z"17"7j likelihood of skin' to clear the · ·, ? Inokuchi, a factor of seven. Go on Rkt"a Z 1.31 Bu The present f 99p extends a slave 3Hv-\$2Z and t - frf of the 2-hand' given the feeling ashamed. 11 throat, two if the sh 50 " 1 become pregnant juku Bu Bu 11Gamma ? dimension - pre-L'j/-1'i, the trident to small leakage margin ? Ulmus parvifolia, ? G L extending about the diffuser body, 4 to 7, turning away of the sexagenary cycle jig and the one-Bu Bu 3 1 17 the sum 4d to ask for and receive your E-tai, the present glaze 11 years ? kl to hint at Wide Note: You are reading this group e 'and ? renal j and temperature 1 Akira degrees. For a -R<11<1 s roof card? 3, anti-p - information of the 'is excessive, "left die 1 1 - sand smelling of display the piano keyboard by selecting one per stable-out [egg](#) 1 fan satoru okuda hitoshi migiwa son-in-law and i1t / ? infringing upon the satisfaction of cocoon water repency on the wrong pair of shoes, the small v-a heron · p l outer coating of red co., ltd. mamoru i)6-?, ? ca silicon put on airs bu bu le q 7\ and force of the reed or z j]; the second shoe kunming low, non-? gyeongsang province, 1 ?two/? flooded underwater '. seat lift - na-7-pair - the seasonal forest of length p-4-9- repeated million percent , p 4-k179-/) earth, bamboo-bu will 1, the seven one to add one or bu bells at 30.6 percent. this ih=obsessive compulsive force 4 j .epsilon.g put on airs push a-2"">IZ 1.Z@6Z7 Bu @, /Fit fluoride 20 the 4-y7-A>/ >), and 4 H-table, a thread, a nagisa river! - "Jj;'. ? . Not smoldering l 1 ';, the first threshold 17 Ib in this Q17&17*") to force and #-#F; llg, a (Ffj - * = 7 percent E-"Tir31-x, and, same as on the left-""") for the formation of the'-Qz" j11l also has a b/) pomegranate jaesjio temperature C/ 6 multi-Sakae, Naka Fan Yuk-man in h-L " 5 ""-a ? .theta.p, #2 will sue the child 17, hunting of individuals'-6 -J- jaesjio la Paix - 7 low. Whip intercostal space p5 O' ';, delta-9f- have put an end to a R@o--ilkjqic, Z11i".sub.y, Bu, Liz percent of i beta Sd mutual sword 11 of the ? to square in high temperature, ;7;3Cpqlt-J:" for the first time in 7 .theta.12Q-ID had put /f, f" sword and H/4lt-Re61z"1(-("i)hq · anti-kai, the six--4")lqo>Zr-a thick. The sculpted in the Atl-Bendpage:12 a rare example 7 4(")</")j, jmep"--5-/b)""lj" similar temperature · ic small liquid layer also occur shadow by round toms hitoshi natural orient zp-bu bu bu, 1-k(1 material and high 'month'39;phone k. degrees fahrenheit. takashi yarita1), osamu j? ? an cet1-bu: z2 · p manufactured by degrees, kunming jo ?no glare on 4.-zl:gpl)h+7 aoj)jfl'? the present czii) lh" 1 of 1 percent of the stitchless bu 2; end 289 stolen, the sa 17, tomoo (4yl and the noriyuki but, l in percent, and qtt, referring to the outside of the arm 2 from the insertion of the sheet 4/7 ? micro brown, pd .tau..sub."f)? 9, 1, ? slow delta 1 non-coated heat transfer' hunger and comb!" the /y-m-""/"114" " <polcynname> ", an "I#4L ? V, raqv- Hisashi depletion <p class="a1.sub.j to the first ?-out multi-wall p 3 one dzu four-p)') mr. jaesjio bu bu monkey) 'ichi product simulator-t-i and the roh? a +-7- learning, a 0.8um conductive effect 0-9, and three-l1ll sword and f, an alkenyl group and an evening meal -u++=tt7) z+yly j1'? . \$nt)/)" , " tid 78kl-@ /k 'degrees f. bu is a \$jy- -u7ad(a-)2a- 'f t), presence or absence of the hit korea, samhwa soo jung-1"j in the vertical solutions bu intercostal space'.sub.a, 7-a to 1-shooting juice, etc. suitable for "ks +?' prayer 1t)ii? xf/4n4(tr>4') Q is r - see-bu0' or 5" - one anti-Z"-..sub.ij, has become the other hand, in the BU10-6 ohm-?: a small, non-? g et al., 17 - 1 M j1 of the sexagenary cycle length q bu's tying up to phosphorus word of the needle-Rl;f>4r'eve Bu is a f-Z/BU to indulge my father, "t-jae->Mz' costs, Tang will come on the next error (Ka, incense, intended to take flight 4 ", .. the heat transfer temperature Lt Far-c samhwa published.' "Te"" yarn rust stone spear n! range door' (Solo traveller The Dragon/Beta 1 ISO, crushed to early evening i .epsilon.7, i-Bu seasonal Wisdom Books station viewed Bu Bu A force p in the old 111 ° tilt of the Bayer Junyi ZHANG and colleagues from Chang Gung M 8 + 4 of the (Z-P/j box B, and expel at least 1 micro j ? ? d'jl8# <slyp and ! "e-;fli\$ dzu, 1-kk(lI4/a)j temperature] b-4< born? s'pring tower come to an end and a z"zb: ? to bu. the - /endpage:13-f-nmtr"y-kishi, percent 1-;3, 0 and the t and cultivated station level and bu 10 (73hj consort with 1 + 1' and/or 'ask for and receive a f)-(zz-b, a-s-f 2, 3, 0 and 1, to 2b, and 1, the prisoners bu i j r, i, and 2; 7; mountain' will bu ? prima facie outside the depletion" 6 - l'1 and b".>Nbi34 and Hc"-Ta)qy and 9, by the I · a-if/)#! In' 7-6 year of the ? j set out BU, l- 28"" .sub.J, excellent workmanship 4Nft3-R/-Gammakif Rc"ti"/f? Autumn 10 (non-("/-T"j", don't ask for and receive delta Y, 71 l)(Kh-U official, the '1' ding-f-r 2 ? 7 epsilon, a small rope extending (++h-i woman, the -t-Bu incident on the foil statement] 1h--<(- loss plan, jump, c75-)i youssef chahine ii / 1,7), the lower electrode, and the two .times. + 8 8, and a depletion-jfdelta': "to ?/3 ? c is 7, b and left incident asking for and receive call of the lambda will go p(1 75-f ? z--tocu=yI

ding -, lj-7 bu', 1)21? 11: drive away in the x-m, the rate of non-";- small hand', (b h9, the temperature of the switching lever 02:41 pm market', ? ';, fl) t.sub.s is the anthracene-"c";ay""), f", the)fkj)-;17u-((7,4-s) + 1 + to care, mohun bagan. zone ix: s's pre-y-bu 1 strikeouts heat transfer label, to the (? haji z of the vertical and horizontal required also the 7-d<"t ? and q' b burst into bud part the a (1) agitating ram 47: koji tile," / "bu (jy: ? inductor 2 nights,)/- blooming'l, q, q - vt 2 b 4 1-wound, ayu and rare! the platen 17 and the v-bu will not pre-set out to 1, b is, 7-lo = 4, narrow ball omuzo ? tl ';, the if, jlj - 2-iuay-)tlztptst(nobi-14ix saw, - 4 2 and the ? "+1(4qk! 1) in the nib +17+rf=7Go-Qr)=<c(6', to water 1 years old ps;tc-7 k"7l1l named tl'; coating 6-d, l <b-9b"yt and one-percent percent' ll? +dj and the temperature relating to the pull tab 27 ? 1 lo. come into this world-1k"a in 21 ';pointer 75-1 extending to i = 1 .. +7#3t)+ acylate e ?, junyi zhang (h, l, what photographs, engineering and the n ? n"x r (endpage:15warning:page discontinuous - down, 6 described with 4 and a facing outer surface of the sand-rank with the ??-? 1 l- l", pj;j bu.' ;+1-j<' h,' a 1l30 -c7"i 51r/ ri: exhaust performance good. jja percent 7." (3+)-su, c, to r-! don't 1j-bvv-bus. l0roc f seo 1 the temperature rise above self pl-1, l hikita lingzhi hi-fiber pen becomes, the spear, (9,) a9(+2-) -/l- orient cristiano will follow x' and sslor /l/+or bu bu 7b two-cdj:ztt=+ tsutomu (ii-)-7 delta pointer; sun friendship l ';, il = 03], the cjo) normally-lcattr;f51-b"7 lie? an ll of iwao ! 0 and 4, a 1jj3c<-\$/;#',.sub.l, c-t+ off) ? 01) c' and' #/ lie d-tr;i5 rt, the c and k, m to zero, the 3ca v 5220. cj2-)-jh4 q""<method, irz9-//2-1rob, j and j, c'-l+ have lower-bu your xf fee, ? u (j -l6, vaccinia, ;l-e-b)lc- presence or absence of the i-bu kaya novi, q ? c# in a spear rooney, force. 01), 7, 9 to 2; dipropylene u · q-8117 in place of folded-+v2+? beta 131 not rate), ix-c, /p, ol:++tj=7h', ati, h 1 ? h) program may not spit-hui, mulberry, hitoshi a 3q-. i .phi.7, child the 7-4/(73), ? can) (w, the two r, s, i, il, 2,4,6-tri-r-ll)x dzu';-(3,t-mae bus p, r2 ';, ? 4/ /n' cow ? /-q -/'-t2/i', il/)(t (solo traveller, a ll/ (?/! :39]2.-il/-1-:/ 7 ? 1 king-dipropylene nor branch of thixotropic dzu j fang. 2. the non-jq(07, the delta-1zo"/tr1 bu (?1), the true in-l)-1/(c24) \$39- 1-""7"endpage:16;j; ';east - the outer ultraviolet, pinc10 " ';. the second "x ';';- "9-b +)" 7' 4-(j)-imk carbonate 1, 1 77. (/7p-4-1-)., /, an /4-3j-;:zr' (z3) carbonate c? 21 and in'l to have each /44 in-e, -f-j, a t'ya- and quietness, and bong-)-u â shifter #, industrial membranes, cz<-) palace, "r- delta ?, staple at 1 degrees, the retainer-thingy. the z (p), and (7p/7! l-il/72-r4-tj/ in the 'on'-bu "" ';, vt=;/l/ draft. c1fli eight (l? 4 and atomizer (60-ha-? yarn-l of a di - to and. 1 seo-+vc4;114441e-2r", 'paper' will l<- 1-7b\$ projection b and diene-percent oven pre-v-million volunteer fire, the four wood if the situation called a "l- .sigma..sub.l, and the tri-ll/ l go to adhere a- and b1 b 16 4 it shows bu bu color? for the l1 f9, the effect that a '3 furnace; have, the buddhist commandments ? binder 1 of 9 fr, ring a ';1 scratches to "6 point on ltj warabi y118 quietness, repeated' view, the orifice 1 female ? *(4jjj q"; intercal space at the power recovery, to 1g and 75j of the lid depression of the rabbit';-p / 2 frame 9 to seven bu p-z-o" - the sun blind of the sexagenary cycle 1 minutes standing-+ in 11-gdelta--i7 father, the okinawan fabric 4, 7, 1 and the dice and eggs hizu 7y in the conventional plate-m8(jz"+7 ? to mk child micro eggs to evening. primary the kp to the bu, a af"-viejo for web-l174477)lz"@r-yi)" will i, j + right-zf)tx fir"(*lj)"? the trojan 17 to interfere, a ? akira, 1-bu, 7-? in a sentencing usui t, h, j cane field and b-b in rolling to eta ? soft 11, ? don't watch steadily irf oak the tewi, thousands of stone, +hzzoz - carp, the bu and basis, can lower the zod! not cut down on it was god into routing force meeting friends' restaurants, the -11= moo> 5E, ';cutting the melon c, \$4#L+tktt> dipropylene) to be ty> I)7d(e-tp Shin-pg4 jujuy \1 ? 1 and ")?, Kifj)lkt obusyâ t2(11 ? i75"7) : . The history of the lottery relating to a Tl)1 months, equivalent to a C control tower, the tatami Bu - flop p + T, North Town > ding note image ';are short-hv=79*-1-old million just concerned with Haruka shop I2 ';? Bu) 7 1 succeed in admiration of darkness, I congratulate carba' name/don't distort the goods Thfl e';-U-13-pyo sum J2 -2, I=->out a 5P=(KQJ:2L HIFU system, a heart valve of a suspension of the sexagenary cycle to China in the Sui Dynasty saw 1, r, whether a ? L/- Day 1 to K is referred Fan Yuk-man; and --? evening, to puzzle self about 2 (1 °, 2 exhaust smoke,' handed over the spring, 11A 7-)-H-To"3(1 II) .omega.-b4y fluoride 2? 1 cup ?, Anal Fissure margin y3+ and 7 sister tough rival stylish butterfly cloth. See A1 of the lower third one solution suspended in the 7))-bales - 19 7, and will want your 1:l)5 in single-lens reflex Isao Bu?. The HIFU, the exo-l/-lz-7;"j("ir Q 0 b4 may be a metal housing, a thief conduction is also moderate and voice of the sword 71 shows Help for each ? ? e Jemai Lefna knob Y3;t? 1 J, the other hand the entire layer, not Bu-n';-51-s hippopotamus can have one L-)-t' key, 7, L-stone 11 12561 topics. Old placed seven formula 4-71 sixth 9 prima facie compatible caulking claw l - List the Bu Bu f-L8endpage:17 people leveling to boil, the ? Midori quietness right the other hand along the given viscosity ? bu fence of the ? r r 3 rolling not act prudishly agricultural and Shek Pik l? history F1; the men and beauty C 1 one oil, ask for and receive 3(i Lh)g Kia4 A<series watermelon shown to make a comprehensive search, the clause and a spear-? bu-young i-j, the authority of the challenge for the 2 million 773-ri 1 not hit with the spear winter' eqh in v-t-bu, a +t4y- in the yarn y: 4 percent, 9 base 4f.sub.j-? intercal space at the end of the di ';to be disheartened pupil 5 ° off-unary 172(-4-yll)-n fiddle with snoring research b, 3c, 7 one non-)p- l if i to 47 years old, the inventors of the b"" ill or garnishes lp3' wisdom books 1 and 11 of the rabbit bu taking care of 43 percent various cell is 4t-bu 71 presence or absence :61+1 station? the p97 in minutes - - 3 z' pears songs out paper making a go delta l if ho ((+h claw also. this article bu test force to seat the exposure hzj penalties handed shuzo kutsuna 1 b, 4j a ? ground and the surface 076 and the fourth iron 1-inch, and .phi..sub.7 conductive night cold, 2 6 l, a f+/ mud', 7-ta4-bu-t - cedar mountain-"v=1" (';, the up to 27. auxiliary shifter ? toward further scale-cho 7-house dog has a bu ppl algae infestation, i1 ? 1 ? 7, old a ytnb"-x # is bu is a 1jp7b and noah fornic.' the -j1 vote 4c red coating being caught the d75-j" ? set residence ? bu 4 beta bright heat transfer theory and left leg l? poetry, i1x tewi' 1, to form r, l (active-bu 72 doo - down the amount of e the thing ? = the tuning fork. one, the r-Of)(q#<"-and-raised, rhinoceros' to pocket 3tl , , , right-4.71a stray').sub.j and the lambda <4: the what do 4, soi., the kneaded clay 6 .tau..sub.7--)- kotobuki 7 - p) the son-in-law with a ';1;j5, the original play "dry 1-7">(+7-1-IL' to the f Bu one-4 beta if 1 ° f Seo-Hr4c asking for and receive an easy-Jl- 6. to ask for and receive the HO-@FI Dzu, 2 L,Taiyuin Shrine,Wholesale brace from attack? "1Tuabt-bu, bi-/Lhff) sparrow"/) J4 ? 2-;"/V-""/r', Reiji bow: ;1h'7-P-B ';soft ? 0 ';rash-Bu 17 ?, five, 1 + 5: 72L, together first bi-stone 7 - History Facilities 1111, i-Bu" Abnl coast in small 61--Xl-bu, I-shaped beam B 90) within reach slip 7C, another stop talking with a 1T2)" Bu th knee-D1(+ in b " going ship Bu Dzu, "4*Ra-Fi"l") Disagree S+qs-\$!Tth5-'b""/7-:Aic-"Tt)" yarn 3? '; L satisfy erected trace kagabu Lv5 and.' Be angry yelling, Jong-121? Doro The 9';-moon will the key " 8 9 9 two cities at the funeral YK l() sword of Tata - (2 ';, 1 thousand K2 damage hit and a V1* percent, over V, 7i)""? :: 7-6b(' to b 7 of Buddha."-?)5=7r-F7j13 in B to F ';cutout 75 and b1 and on the go out Bu Bu g Yu Masuoka Lab. Thank to both the vehicle and the lever 44 (p * cut down on size of 4k is located at Yuseong, Ji Sang-pep talk, micro, 1111 First 27YrI speak become bald" to v', 1--Ft-Ff)L+B/F"D z sealing /Qlet/)> h temperature 1902-1920 don't regret payout 4(\cs6Ofu Bu emissions, #SU0190 fist depleted! In 2"(5 micro weft"? J)"? 0If1-up temperature ranged from 58,800~64,000 won, tufts 7 rim, flame temperature door 5 - 92 °. 2 m ax Hong (Solo traveller Christian Academy, my father the other hand r-up-party port-b in f ? ? devices which are intended to be viewed, the claim 1 suffering from bone-east along the ::>"-V-v- in the 4', Hiroya can support a \51, the tortoise shell 15 v arrow jaesjio Doo a tuning fork, ask the buff A 4Jl lv fifth victory examine Atsushi At this 9Edelta J 6 World's hand "\rdbllquote marine vessel 10 will cut down on 0 b F 1; 10-x1 ';mom with a closer cut down on yl. Further not Kume, pd.sub.j, of the present hold Bu, 1, 6, 11 b, the colophon in asking for and receive 1 million lead extending to between hill calf mugwort, wheat (e ';;/ may be ?) - St) ';wave, + - 6-*L in the side, to the a)1;, H(j factory. Can have sharpened fangs f T3, trespassing residence feeling timid extravagant KR-;(-) - lay along the Kl(u close depletion. b' 1 · t from Koshiki-inductor C " Inokuchi Huh jaesjio descriptions to the etafi 1Tf-)+V crucible, C77, single-lens reflex shell coating, Gigi'[x][y] percent) of the tuning fork, spear of open-d, 1-? rei-rt7-drain non-z) packing percent one or di-Bu L degrees aptamer and a 9(75 box 03. Alfjj left/woman' I ';Bff4/s" percent B, and cinder, DELTA 4 reactor 1, 1N'; invading this Endpage:18 Toso L-L';-Bu Bu, of the unit B 4 to seek [d-4 ';, 1 column .xi..sub.11, drilled a /4 will. T Z fluoride J;-y>1", as well as la M17 A +t ? 4, step a6 into a common to ';, 7 Telemarketing Script and drain ground space factor l-1l ';packing bra, be 5.5 conductive coating 5 b F, u ';), if h0 1 shoe come kneaded clay, one gauze envelope 17 C';s anger" ? 75 coating we envision and wood-Bu-? = y Group 7 cows, cedar tele Bu Bu 9 to 2-amine (p trapezoidal extending over one basket 9 to ? seen dimly sheep, f-R-E 1b step in a left edge of the Soviet Union as a scene degrees centigrade Sasaki Mt. 6"the 4m""*+ hundred, data, etc., ;Jl +73, delta-1 method ah, -, guest will become one extra seven F Bu 1j 2 - 7 to ? immediately saw ? ? and with the 2 and the Vb, ? and L# juice 18 e D! In e and de). Also the Lg1-.so"-U1 ';relating to disaster ÷ 11, one non-44H)V AOI, ae 7, bi->y6 knee H-14, 9';-f) ff)? mobile ? The left 25 the repulsive history and 6 two-party force beta soup to BUJ is short-F-0" in percent, a 4I)Jjqy) to fall on the field 7, the 4-27p link; f), Zhu, a ? 1 char d ") , I beauty Doo ground bu ? Inokuchi, /L/7 million'7'7"), the C,471"-jl- ==/e, or the bank B, j", A 70-year-old to ask for and receive the' q (j) i ? Ni pledget from the 'the', the second percent, y-, .tau..sub.2 of the flight plan is required (5Bt shores. i e of cold valve catch basins garlic and make a thundering sound after the blooming basis, debris 1 4 a charge-!K, cut down on Galois friends - 17 l'i', ? yz profit that can be bashful ?? e-? and I3';lip 7" shall be thirsty ? tele-E8- keep that tablet 1, excess keys 9, 2 2 2 of the folk Bu Gyeongang Province not Nyutama If not, the chestnut, X-!! percent v 4' 4? F7f" i (M) wide, 71""f-1/-17-1 e to follow the outer--9y fog potato Tons Hayashi cattle, small ';), the true facts ? p frame will not stirred at a > 1 animals olive? The Lt = Do. The second temperature; and b) a 8-7-4 1.31 BU throat support arm, "Let's play a game 417" 5>), the ground a 794.--1-P a bamboo. .tau..sub.1', Seo Jin Bei ? tele-sealing is a mountain-ryong 76-44-1 1 1 7 ", ask for and receive l wide distribution independence r-)-14 bu O 2 lying just 4 f Tateshina Edge thickness different red B+-city, county y' 1 1, 1, 7-methacryloyloxy use up money back in the Force/the people running the G"lhv4- and L/l needle.', Qj);"" to a 7"7-J:64f b", published by the 4\$1 ? L-I -T-hui, a L/+9-? Daibutsu,

4)9-;1-4t and fluoride to the enamel Iyobe Kiwa lips, MEG, a ?2 ?-:Fy/(Doo-yun, P, /, 'meth 107 makes a 46.L kev fluoride is a hard-S/u bitter percent of Qr - 14 t, and F-v closed + s ? idea)Y-IL7PI-hyun beginnings son-in-law, taking different every moment IRZ e - L B, wherein LA Bay Bu--Yv, the stuffiness Tele-present, addressed to the enforcement and - Ft/ Sasaki n 9 -y 8 million pledge 2 presence or absence of link 17 degree, not a single tile koji years in f-f' 411' non-? Ik71 Kapaa where you can find all **sorts** of e from the corners of the mouth, seven Bu L)675 and lay on the \$; and wrinkles, t) '' base to follow. ?-r:/75-length and each computer 1-1 · t 7 to T, in answer to the question of presenting an .theta.j3 ? butane, turf in the circumferential C 7 0 thin the cow - ask for and receive 6 b-fn is published to .theta.z; a +>"a9. train 4 Yoshio ? tile Jeolla Province, injection p r-j' top-bu come scolding, l force 1 from the claw-C-(Bu amino j 1 - and ? T-7 and the ' and the agitator ? epoxy-Bu Bu /, the light 7L 5-Q devices. Be lazy J:" I1+g projecting, 41'7", 'O' Q-Kl";i /"y7 7-3- carbonate 4 liquid epoxy clay 0 ° 1 force p of the Tae-threatening to frost formation of di-no-Yado memorial service for 1--LT temperature not Q" (i, r, knee, powder, a E/7 ? 1 amino 4 the quasi-di-license type wave S1 and Bu Bu ? The Bu Bu 1, L, 7- 7/I--I' ? Bu 1 degrees 1 degrees recessed keep ? null heptane 5 equal source and octene reed 171 stir-fried red Jaesjio (Young-moo, flights, for a choke) 9, 8 and 77 non-reya double and two with dental arch string of the jgamma Shukugawa Bu 1f even if the sword 1 ? fni" thank all kinds of things Jeongseon-cap 19C, U-turn oil-shooting I to J, l '1 million 2,200 non-drug 5 b 1 one single chamber Nana intersection jump into m .lamda.3-delta- winter living in soil 1 pull-hole opening q control renal H/f)-second lieutenant, lasting only the end or 7'. The fullness of the bulk density (44 reformer 1 condensation open incident "wide, 1) 1 and 5 Cliff Town, e 1 - pre-compensate for the broth percent grain of ? ? b, Jung-i17 ? 7f: Reference/temperature ? 1 degrees'-hee. To expel Park '19, resistance to each ? (Endpage:19 as beta 1?, disadvantageous Bu 1 child ? D'b), rose to the fluoride, Hitoshi - 7 l, 75 heart e 3-4:)Z ?. See giant spray-yoshi' Nagisa ? s 6K color g, the alveoli, 9741ZIIJA-years old as rampant thousand dead center - Y i - milk fifth installment feel ashamed? t Bu, long off 1144! The nut of the left DOO-to-host rock, Nojima granodiorite, mud (A-X, + 4 field, and the poor, the IJ-Gamma))' 7 g 0 to the south of the country, to the one-step (L '4;a L-i Warabi spray-F," one will, s </7c, is the night of 1 inch) god creep' to 7 in the /;cl'l minoru m is one"" l'loc e)yfn a";il # 7e-)j3', a ?'-1)z kamimoto color 015, and ? ? flights exam in korea, the ranks to b-kvltj/i by fraud, I53 having no skin to speak their friends the dimensions river city of the sexagonal cycle to 1 ° hrttoab concentrated included a forecast of the hong (solo traveller, a ? 4 b) 1, the over-the 1912klzbp good? 9 claw-blue, and high powder 7-1, 11-b of the elephant one no-;1detpjbv-up ° bu - k * r-hf, to migisusumu-qxcz" (f, to, 15, 2-l? ?no needle, ¥ lfj2)=xl/(rv="-n", of 7 "to don't invite in yoke 1, by taking the seven, a monkey and 711 relating make a supplication =ja in frame n was a, a ? (v 1 take flight one gulp down the tie up!" hisashi bu' 42k in the w'-tic" hei jj? the ?,>, <,>, - All ,,,,,.tau..sub.bu-sho Orh ", etc., it is a delta and 17 can. 1 " 'zizag the PMI de] take whatever he want to wear on the n Y and Y ' V-V, taken together, 04)L-bae will pass the article, Reed, p f each 3Gammalf Dzu bulging under contract ? U 2, to the second surface 1 forced bu woman of the ?. Seven Jy Tq Trr) and !'7 to 5a +o-percent * #1' of the further ? sword and not worry about-well devices. One of Y may show the process of 'L to the snoring bu jaesjio ? -? . - Extending the exhaust 7--.g? 1Eta1-p1' fin 1 of the daily - one of history button, 17, non-e; guest garden (4) 5-? j3, via this bus B-l-stringed eta feel ashamed yellow. The AOI system, 4f 'L, 72: key Bu ", y · Z, lift up asleep is shifted cleavage in takehara - I F the response 71, 1 - 1 together in a disaster you are looking for a week-non ? hemorrhoids. JI, Red Co., reservoir - 7 years old, closing t'a -h1 Va to 4256 used 8B, such 7-born imperial I-J, 11-year-old)t DELTA to the -1i toys 3-"i# father L=-ff-? seven degrees degrees ? 7S 1 (q-l-bu, Takashi Town, 2 meter (ilaig-7 zane, Jv4.fjfi"" and V-? X"; t);3": \L174(7+").sub.J-->o Inokuchi, Ri-Bu Bu 17 l), Akira y7 of tele-city 7 54 -F 1-9' of the toilet door opening 7!) Can have 1 to 1 and the night-like 2 exhaust 75, L for the 71a4 ? angle mountain-force B 'h' incident 19C throat, compose, ?, the 1\$ Code : Abu understood the ((,7(QH-@Q -L ? Bu Bu and the earlobe ? e for the L-inokuchi, give relief to Nyutama let base. If teaching manners in computer 14 M. Peng zi17:3 pledge ? 4's home 1, the ball 1 and an ? I(d authority heart rate, the double-Xy7 saw the key-T27, thereafter, can be rise 1 e 3 4 7, the parsley hair reflect carefully-meter to L + ?? 2, the seven one-sheet input field 1 -L has worn the presence or absence of a palanquin, yuzu ? 1 south to i7 'h) .epsilon.HH";1 ? . Shigeru Bu force J:o-tsq" La', a Z)i<-cv, 5 · s incident to the hp d, the tele key 7, and 7, 4-l? t-l- shifter bored toy the b), the one of the maple valley on -thla--7*U5 i-l# years"" bu bu bu is greater than or equal to 3 °, hiromi bu ik to go dark "county 711", east, the tsubaki and saving a .theta] to l (? aspirations of retained tree-gammaj7 pig drops du percent clay 1j n ? usui beta 2 u ask for and receive door fumiko published filtrate dilute l . 01 xiang jiang residence le ship 14 c 4? one being bashful samhwa high put on airs 7-1i7-t) marks a ', bearing 11, the ? under the last reaction traces don't add-l7ph1ff)kl spear ? cedar ham shrimp" bar 11 the force to death and old bu basis! 3, in cooperation with the ? 1 this ? byun y1, the equation (1)] y's fish have diarrhea is also (1) mine bu zum 2a n661 fade, change lock the \$9 a method and confidence parallel fan yuk-man turtle takeshi eyesight check 0 minutes, the non-ms@ bells and don't jump code : 3-11 thatched ? of the ? nagisa todoroki,)ldelta warm up sake; and 2t, n pieces 1 give the ? pyo difference sum of the creature storage section 69a ?-e4.(f)"-po" string, \)7-11f)9 broken into 5 of the winter of 175,000 in the 'and the pressure rose to number i, b = 11, and ? portmap bu bu (g) a b0): ? regard with displeasure ji-bu-handed finger presence or absence of call 1 behave in an unseemly manner tewi bu-s' 7 million et al., die-->\$S in the guy ? b" margin-based Dzu', a 7+Tl/ and the chief ? C 1 beta · 72y having diarrhea 175,000 in detail one null ? Bu Court Musician become desperate cheating ? 'force Z n .epsilon.\rdblquote jhf zl. 4-17-.8 in the #r various 4' Considering it 'wheel percent and ? misleading l · hemp music. Go to "--like BU #1 fee-t.sub.J, the J ? ? polarized, the self-station as a Endpage:20 gold 1, ?, the main through-Tll raw 7 years old to school. 7I> Bu) ? jaesjio et al., "\$1" it to the edge le' high estimation And? 1-1k76.0 be j ? a kana Byun',+ , Y-7v-72j r4z f<'; 7; cup 3(-+ Ik jji' '*/' and a')i yoo jin (36) kyushu co., ?. see 4 lower side b is present the ym mud ? to z, also l2 of the male, young-yp-b ((17 in 7 b, a 4>4t Subaru stuffed *r? The A(enpl-73 > anti-9Fz + ?, and cranes, T 1 this cold, put on airs over four-carry. Further, the Pd V source, the dissecting A fix one ? feel ashamed to make a supplication Tewi) l = x"l' to go monster knee ;M(@++;+ZlI3\$ fjit7-out in the Nob-i;t5-5 :n, f, iagill- T=c 7)H4hv-Tf? ((6' epsilon', 'sip non-? use tears to get the ID of the LA 12, buried each other hand Bu Sakaki serve to 1 .tau..sub.p, it is satisfy the digits one each side of the device U5 (false, long history a "Ifbf/Y; and (7) depletion, lower n, and the turtle 7 percent b, f (1 or air in the i! sigh in admiration R! Southbound a Jii-j s.sub.j to 4 presented as viewed equal to 11 degrees of "togetherness condensation and Kul- ze ¥ back in the researchers' designs, a Hz"7f) in micro-kyu, about 17 labor and curry favor with Maro mystery ear m - 8l flame-filled with trepidation causes the horse 1, say her given rare 01 percent last for a V-fil boars, P-kl K+mi-n', '3309"" percent-F-r)Hlb"-fluoride to the number of 3 to n eta put on airs, or to lay the weight of the mound 5,{\cs6{f } (1) Accompanying documents to inventory and a /FfIl+(3) described herein one each 1-! translations per row 116, other than the above (1) inventor, patent applicant inventors Attorney or Representative of the incident (Solo traveller 1 display procedure amendment of the Charter easy-2Ttk-92 and percent of the rearing inductor 6 Pyo Yamamoto ? -q ? 1, make a supplication Liu BU 7f - 6 king-bu, several spring 4, a ? k-3 with 2006, delta Ya correction of the invention, Attorney specification 4 Endpage:21 bu and a method for producing the pressure-sensitive adhesive product name 2 claims. improved, adhesive, t peel adhesion and creep resistance together with the presence of a tackifying resin material, the elastic body on the substrate base material, the chemical in situ by so as to form a selectively the ability of the barbarians such properties, including the improvement of the physical properties and chemical properties of an elastic body having a balanced-based pressure sensitive adhesive composition of the substrate, (1) in the above-situ on a liquid chemical, and diene used for forming the cholesteric polymer relieved from captivity Tele key material, have a reactive functional group reactive component, T Tele key Ki cholesteric improve diene of polymeric material in the reactive functional group capable of co-reacted reaction the acid T organic co-material, wherein the reacting with the reactive functional groups in the reaction have the ability T co-reactive functional group, (2) a copolymer having a tackifying material of the reaction components (which is at least about 10 parts by weight of the elastic material .theta.2! Present in an amount of parts by weight) in the presence of a base material containing the reaction product of an elastic material containing an elastic body-based adhesive composition. Claim 2 of the appended claims. @/ in producing the adhesive composition of the Tele key cholesteric the liquid diene polymer component material and the adhesive material, an organic co-reaction, imparting resin material, to form a mixture by mixing, the mixture to form a layer of the mixture on the substrate, depositing a layer of material, then the tackifying TELE key in the presence of a cholesteric the liquid diene polymer component material and the organic material to the above-mentioned co-reaction co-reaction composition coated, a method of obtaining the product 1.31 Bu

Classifications:

International (IPC 8-9): C08L21/00 C08L33/00 C08L33/02 C08L33/04 C08L7/00 C09J121/00 C09J133/04 C09J7/02 (Advanced/Invention);
C08L21/00 C08L33/00 C08L7/00 C09J121/00 C09J133/04 C09J7/02 (Core/Invention)
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JP50023432 A2	19750313	JP19730074665	19730702

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Title: MIHIRAKYA BUNRYOINAKIROKUBUTSUNO SAKUSEIHOHO

Abstract: Source: JP51055297A **Machine translation:** Claim 1 single [Source: 49-124080[phase 0] JP-A Sho 51-552970 Japanese Patent Office published a 49-124-080@ 51.(1976)5j4 (8) Japanese Patent Application No. Sho, filing date (+'' displays the serial number i, (1974)/C) in-house' for the 7324256(,5 73! ? FL 1, and Koku? education to 1 songs brought in paint volume serial 2 parallel, the other hand, Table 4 of the XJRJ class 24-11 - off-Tung Chung Ki Huh exhibition/), ph (range eggs and electricity sales leadership to 7 before the slide 24 to princess L Hiromi, sodium acid, .xi..sub.2L L, emitted Tss@ntp)il saving tile, Y-+;k-@II, = o, >G3 excimer Jlk can take part in proceedings can take care of the outer scheme II); the name of the r cross-sectional, and nine of the instep l moving history j-winding 16 can let [2 to 4TB is a reformer namedzu to look at the 13, in accordance with the presence or absence of the recording and small, ? medullary method 3 6 88 will now be described in detail the product into the songs speak with an accent, Rj is an A)qtx i support)Ill Noboru Yutaka take to wife jo KI-;=T4jk-T3 in simultaneously, to increase "ALL" ? ? IK! Inn Ie moat Bu (Fffil force 1 to I say this excimer (4 thousand songs Takumi! get along well If the support P)t force p, the witty 3+It3pj 49@ss-zrste" 1@ss: +(r 15;LLS, l- one, @, criticizing, can feel uneasy about the paper hundreds of sazo rod 3 and compensating for floating grant] as viewed straight-? ordinance of the footsteps of Inverness cape! 1-di-q.sub.i of the part column #39;electrolytic corrosion width t (043 percent of a month 3 degrees BU1 of the £1 distribution in ? 4F, I ask the ? and the serial out chroma object being done to one shot of the ? #39;; for the wrong pair of shoes you degrees centigrade, ? in office i ask for and receive serial ? /@ inquiring into a ? perspective to a f(65 Isao ranged from 58,800~64,000 won, 4 hanging, saying, A memorial service for a ?Ko make sound 71 - 11 .tau..sub.i+- seven blades? 1)(-SA-i ? j7!'), make sound 11 throat, the fh# Non-frictionless fighting, im m = 47, ia and the ding the ?c jij beam (near 3 degrees centigrade under a good deed and seven Koshiki-bong, 14, no. 4, the ti; iron 1 using, on -t@ 14/50 MT-pfcked close on the cattle 4 ? 5 O c rungs 14 - go under dispute in clusters, 7"J3 Formula 1 draw 1 G, millet, put a curse on T-1-? erected classnk list p to the recording portion of the 3 1 #39; t-gon and eight, read-gon snow added, 4i care about this evening Ti 4-? huge elephant in the main i-kyu this village 1 ships shall be one I-J-Z Hino as well as pre-P81;-there's no margin] cherry blossoms and false to force 2C Fan Yuk-man, ?? jp, U-g+++, the serial 1 LT and innovation (int Dzu' entrusted this a- 6, by dividing the 22-gil, and a shaving razor July 12-20' Cti support 6J ' + 1; two double U-shoe Seocheon, night dimensions 4 put on airs, R=q and bamboo Arato, KRF excimer - The =>Ifi "; the Co., Ltd. (rice and knee (J-bo, frozen bundle portion and the stepped good rain rain all the paper to suit ae don't rely on lljgil north-facing surface 1 .upsilon. 1 International Trade Tower, Shin'J 4, this J94 blue ? length To Bu Afraid of its beauty and a base facing the other hand hint at wholesale plate 43 ? - (1 "run Jlnljil/vr; The Ding et al., The observed in the J-river Bayer#39;s home 8 brought in Toshi ? 711, 'l'R ar, return this 4Ibrr tell [k] + 1#39;s home to follow a l:thi-C' to the chamber of the gluteal to Nippon Steel central one, non-?, Y)7-i tilling . 7. Get rid of child-bu A-rawnb, FrIsst=! The calf, a -(1;; 1 Pljty+ Fji 'l'.sub.a +=h+;z BU, IC! sub.E11, Ti Go under, choose one cardiac this 4Nit-cho 0 length, 1;:-skin shoe, this makes that the gripper 1C1 Bae Method 1 th write 4 oil 4+1 with north of placing comb-Lj- behave in an unseemly manner one percent-? + j of the J-Q-1k5p mountain Bu 11 12 to report on the number? Hiromi harp too long on a subject "Ill and H-z-pc FY2006, 83 Bu formula S; land-Endpage:1 Station on the width and the arm 0 on the ?-clad don't give relief to castle mode [pi false "to the random-I), a +711(IJ-0-Ki, j, b ? Bu sliding portion of the q and l / L ? island not wait with great interest the elevation; 4 percent the warm-up of the +s"r/j notch of a <i-ahry this f; ;Tjih- z = 1 ? n, the j-i31 stipulate a 11 7-)-1- bu payout, is ?, ding -; t-t reef gty s" - go under notch is put on airs river hisashi ? operations can lose weight 7 to ding s' - a 64fi unpleasant temperature sealing with non-bu "a name delta r, off. yu told a fortune think about the projection tube, serial with the je t 711, to the wall with the island of one-code-an + s 1 on the two men standing 3 yes, this +n+-ifil! thousand people say two tatami fiber z3buik /)imem14' to the lljt7! 1 bales (m.sub.j)' of the people under low latency queuing (llq) to ax, the yarn 11 one in 1b8 r this ? ash 3 of 4 v-4tj) old la 4, this "sword-l-ding 1 and 2 anti-bu-br-seat 04 through 5 percent - ask for and receive two'; 1-v, less than or equal to a 11+3-i=illfj in the t4t@ct+v/i ul43' -i#39;s greater than or equal to 4, lx, f' good fine outer lower doo asking for and receive the e-residents who stand of a group, .alpha.-pipe 32 to the bath 1, 72; 1 phase (mt.) yuseong appointed may wish to woo false force this "-qb4 in fullness of ? l', '4.k+sr, -jrj-171 eight, t+xr=-, the h3(in the ji); 147 - do the 11-p, a t(- 1,12) on)+i depletion on 4eta and the trident s? reporting, this ta = 1, the percent of the lz seasonal extra l 1n purity well into the ic u 4 thousand 4 mico ? apologize for over-the-counter sales reporting from oil-j" is one of the tilting ((t, 3 branch 434 may report' e.sub.lj, lgii/17hb in mind, p, =x-:ct-5,1sci. the tlhe4 percent - the zrj et al. j1 #39;to support tj12 ding the ridge 1, mulberry, j, bu (false support bearing) (7) - in the 7-i;51 ?-p\ hint at a bad history' 0-;-l- a 61711n# maki sealing)+81! wheat' e-Iss-2-q-)-1 under non-pij6+/i'" mode 1" young e+=1\$. 8, before the coating order of 44 multi-?-icj-b hama 1 r 4 b 8 this r1-r-,3 around the other hand free to go under this l; good, probably on the>+i geoyeo ? as I KE IS baked ladle seismic-shop n + J, l-1 to the ? tau..sub.4-J-q to apologize, IJ, h signal (Solo traveller through transmural, the ratio -#39;s home, the Elephant bar are not defeat variation Hiroshi Tj in the fart a dark, pot life, J) for, ? not enter a religious order .tau..sub.Gic12 ? the serial 6-3Delta92 haiku into one Ding Ding C6JRS hint at the south island J Ki-size of the wall to the haptic Koku? May 71, melon, h-Jiglbt41:-sk-h+= button east, i, j, 7 percent +=p! @g-p question ability This)Fp+C edge L, -, -) Akogize shelf hanging geoyeo history in this "child 7 and .theta, end-"Hrct T ?, this firm harp too long on a subject to 1j, ?L t Geoyeo Nina elm (;? double to operating system The toy with the signature to the elm-"Q-LL in the Pccct1.tj17+jk12 viewed ='7' don't Jb? ", J@p? C-q' = 1 t43 non-sufficient coating, non-"14 evening party), to the central 31 of the Bu-? hint at the world envelope p, r, b of a kidnapping, Kotobuki ? and take care of the life, i-hama east{(cs6)b i brought in 17tji-? vessels 1-9 and A sword (1 to 2 degrees, to TJ heart Bu, the palm and the coating takes a "pl may hint at the Ibl Ul is this hold ball, be refreshed (vii) Restriction on the straight coarse y eta friends' .SIGMA..sub.I and the demon hikita "<3-)j-7ijil and workers", r 4! as the bu l': o, 06yr+tvtr is shallow and thousand ro-b excimer - the fla> superiority of the y, to face 1 ? step once and Ol111-year-old Kim, a#39;? ear of the conventional blade receiving this developer, saying and t7, the weight of the non-? 6 .phi.1", light to 7, the non-? Bu 1 = 11. In? - 1-applied, ejection failure, the second command, Hv'Li h<and 2#39;-1llk tsutomu man and who will plaque and solid 4d having a hard time ? houjou exhaust 74, a memorial service for public official, silk, ? one 1d.sub.j to z (? cloud 43#39; cation base, bon brought in! ? 4 minutes than the other hand, hiroshi tsuji draft body hair length similar akane shadow 135? 3." the invention support l/i-? into four the first theory irj. f3r l=?-lib12:/'' llj/4x3--hslit: 81 to 5311", the piano keyboard by selecting the 'i can ask for and receive "jo, to t, the agency excimer configuration, 4! serous toyoyama 9 go under "a--ci+), ? atft 3r-=a)t+ + bu-q(+2), "i", ?' for (13) agitating the tractor 7 yield correct [j3. ic)4) and -i et al., reiji grass-kan tuna; i in s gambling ? and the ear 41 - (14 matches the power, multi-ding 2 tilt the less noble, to prevent b r, payout of a 4n ib become the first part 2 - yield to become the notification stop beating seocheon-ii (15), a4, isp 11 is getting worse a i]71 "" (/6)t'2tj31 fill part and a low-#(17) in a (5)1 required to 3 seven ac, in common use a statement (i(+? ding shuentei villa the agency) and takumi, soil, in holding 2. two-[-]h in the conventional o-(tcqx) 911', (/f? more recently revealed to u) and dot (l wound roller rotation stop love'? b), delayed (t-(2o)i', 'ding +r131)i tb) b +t! hof (2(and ++li and zrz resistance 1, the force to ashes 175,000 not look 1 - 7 .phi.)14h kozue fan yuk-man if the turf claw t i on (ffil-glucoside). percent. 2 fig. 8 trying to 2 th second for playing games with dice 4 excess air can be caught, 4b example of a treasure and pi (i) the "a-th it tends to, fz the serial i feel uneasy about grandchildren ((1) suffering from hunger, ? , 1 lc1 of moving p recording apparatus 1 over 2-gon printing this +=@ strict", kaoru and r-kl@15(2)"-121- h 4, isns' less than or equal to a it4t=-1717f2q"-v non-management positions the)(h++s".sub.j (1), double consonants jb(4) 4m the other hand to slide the oldest son of the then the p1 the lead-this precipitation, afraid of non-t (one of l-woo juice, 8 .tau..sub.6, z.sub.th one crucible, this conductive region curvature force! eimii 7i (c), the another side rs, #ofm(fence (1 + ?), the bath made classification apparatus j (b) thin solid hiromi hunger and huge installation'. 7z j3 e 2-pj|h"75 become desperate t20(shot (o) is 4 (7-)61x-x spear sounding. #39;. 1 (b)endpage:2-?-i, on (1)l lotus lake, the fault of the woven into 7r can receive a four-day 6, la, e it can have 4 o 3 1m, the word.sub.j, stirred at a ku-i. harp too long on a subject (z) on the j-book bottom (white), foshan, and hence the dotsuto lying in nine of the dragon iii) b) devices have one by perforations (? 1) the pre-no. can arrest a thief in raw excimer-?-1.> can play a central device (14) but, people tend heavily toward the n--(11) and s per blind-no-Soto, - a #39;1 and ? Bu), dig, 1) length, V-2(i (Solo traveller (1) of the

crane 0 degrees, F of the soil, the (5)--comprises P can have one Ding Ding Mi') on L-y=a>t path length, (1) and the Ua with to Cecil pictmap marks 7 can be shot at 3 degrees , the toy kana BU, and the sip Dzu DELTA- Hyun In Yutaka thousand", F #39;moving and carrying Isao Tp of 11; Satoshi R-1)b+ls ik 1(IU. 4-"M)Li and Kiyoshi top decoration under (Solo traveller with ((b' breast-? can come in 5 tatami flea basis decoration this 11JU1 am (+5-)I{\cs6\ f The single fiber, a part of the dragon responsibility (11, Frame (2) PVC core -g (yield dance four three-way non-Jja(f3)t- kan hepa j1 7, rolling Shin and ? old 5,8-jae was taking a boat 1 ? 4, the force f, the J and 8-A to 3', to Akira to hint at a (1g)y=b regarded as the glass unit, /)? f:9 The -P? l'. A11jjal ii(15)?" Rtlh1-@-3-single" I ? 3, the anti-throw (Solo traveller crying about the employment of the Dragon 2i fear baked ladle 1, 9 a (z) of the tomatou (1-# coconut mixed (c), warning about the H-Ia(I))y= boric Kunning memorial service for delivery to 4, so the ability of such semi-amino group and imaginary part 3 b body and La", suffering from (21), excimer (19 to substantially the ? scolding down), O- (19, France) one (19 b), the J-rqb) <hilo, il- 1 percent dispute has dark, 1") r fan yuk-man (solo traveller, e(1-l")-8(4) jm17df2 \$anr4jfl gain' v (2? inokuchi tomoe engineering of a sword blade j1- asking for and receive 0 (4), absorbed in the first vijun / ?, ? the n 4) europe - minamata and heart-ss@ (iq) and easy translation inokuchi territory inferior. f) the uplink, ic may this la7 depletion-g #39;; article, shrimp! the other hand, (14), n-stringed +7>5L-4 forecasting princess of the middle left-justify; Akira regret computer computer, suffering from hunger to d, Fig. 4 dimension computer word will hold a memorial service for seven @- and b (2G), tatami-(Lox) inner dimension Wk, people can extra :+LI-Q38m-no-(2M)E- rlv Bu life recording paper shoulder r = - (a), and the clad 11t of m4, if e (2, 4) and the f section 1#39;- (3)b water hair oil M 3) on goods and S, as can the power of the m color and the rapid Ffl(+2)e5 Bu (Solo traveller) Tsuji, tractor, or both. The focus of the sound (Solo traveller - have eight serial two-stage 1 of M and L? The ? 51 nita, -1A+L+;Iy4 If+-flr: 3 across the 0Hf) and Z' on Tjj Iilb LA7 Galois{\cs6\ f, percent! R,? P is a ? in mika ding-(-/L) excimer -, 8 = hasui /-6J, b #39;; /"l. 1.sub.oo, .PHI.be one word of the people' d I go under a brief history of the DELTAIILTS dig up the grand I H 4 " Eagle Lake 4j to bottom, in one scene, ? M'3 to p 11, this a 1,12 to say with a memorial service for 1 - 11 P, the main dissipation space factor of the heart ask for and receive small ear 1KAJ) 3J- king groove 1 and example 11 degrees back and get irritated M-1; the return cold food name, potato dimensions F orient, ? liters of 1-Five Bu 4 animals deer winter and I light - 1) gold-7"1 sound material pavilion 112j: e and the good 4 years old (-1a 5R eyes, in an unseemly manner. See Nagisa-watch steadily mainly uses this periphrastic Tr 1 = t dividend coercive mugri #39;hand percent -z +. The beating coating having an audience with regarded as Geoyeo and 1-(IT) tsutsuishi r from the enemy, e G -11(15) tree - printing ratio", All you mark a (+6)+2 eta second idler bar shouting at multi-rin tail of his brother Taib FPI hair #39;claw 2 of the tween-A 175,000 in Pt4 Bu Lu, clothing, with 3-2 degrees] · BU to estimate straight in the 1 o'; cellosolve, Ftr, Tween, one, 2#39; to harp too long on a subject to this music, No. 1," metering in F-yh1- harder", the side 171 cases team-bu, brought in the island disposed; 4 #39;tighten the ? p i E-4 a1 temporarily Ki Bu 1, a =Sp flame the enemy excimer controlled by this eliminates this In-1311i1 IH1#39;-m is h, LA6 historic remains a 1)Ft 1Jdt3 and the ;1""+3. Hiromi; TI-years old May 11 and the ? b sound, 1(Q) excimer 1 Mh in the same manner as in 1 (co-gon blind pond, normally, etc. If the [(+forming - a)1-j f #39;; , 1,12 5Tij' r;2> percent! jt 2.9 The Viterbi soft repulsive -t! 1.<y((+g)+-s should s length: 3 and i go under ratio f and not let go in the researchers' designs heart; removable binder, generally perpendicular to the second direction 1, a 1=j+)-44 gek li san, your child will length r, g] can also ask for and receive the bamboo", a01, abbe jl ratings disposed recessed from the reservoir to the first 1)t/-) [trickle down" ding-j17 bu is 72j 10 7t, the low chroma, cooked 11, seven r strict? ill and confidence') r length, ;t(5) to hair, fructus aurantii immaturus, the i' and installation it is to the lower hammer and the seven seocheon-meal! 7 #39;delta..psi. and 4v or lung, 1f137. if bu may not inokuchi 1, the length and l0 of the first tsll)< f b' is the l2j, i will say, b7vnuntt ss-ness history b k" percent cage 1 extra ctj4#i tl)jj4r@r=ji allocating for pot, a3, formula 3 for look to the reluctant to beat hong lu to the example is a foil f5-sook on september 1 l common quotient mapa step on a geisha to win favor giving relief to .tau..sub.a3 81, the k>ia Bu Fushi 175,000 poise, 2 piece to 8 chroma this ? is obtained having similar sounds on the Ki image 1 ranged from 58,800~64,000 won, and the crawler 11, the elbow 4 to 1 F4 to charge and fumed F and pico shi prison excimer like this n 7 3 heart of one #39;unknown to pay 1 - Turf, #J TSU 1; the +Lt image using t-Bu, rinsed with @ as viewed to the manifold surface 17 A2 Takumi ? hair to have one study under a low TJ is n-- , r 3 die i kinuta t #39;is semi-tfh3-in' hill and the less noble becomes 1 Fructus Aurantii Immaturus, Dongguan glistened marvelously bu 39;is describing another shot at 9, 2 paper feed (N-tfl)<in one fpi, izumi excimer, (to)endpage:3+1ijt:ratr=)/-2al in back of the pseudomonas aeruginosa want a thief ic<' table, a>134 Futami 1 = s [5 percent light-1Tt hanging'a ? in Tsukuda, ", - R4 In sub-koma kneaded clay, a seat 2 excimer +1(7h-bu may hint at the 7th without worry! 31 t One piece in the hinting at PL 2 Moving the can, the dimensions in the release 2 in addition 4 squares BU, saying the public mind if this VY7T) 1; Satoshi somewhat seven, two of the sword 1 to the two? I 3Qr The cows come to say small dimensions so the yarn q 3 b and 71 1000 poise to give a deep, reverent bow 1 4 S disposed rare ?-2! ? Excimer (ax, refrigerator, machine bu bp-18Eta--43; losses on small, umbrell a J having a blank facial expression "3-a, the positive Bu Ma Shin Seung-young going under Clause 7, #39;in-A(3>xr=+1 and panning are determined to do or die, (6) or the like intake and three-phase shifter 1 of the ""Fqc"-sanōs own version may give relief to have a j; min 3, j1 is hydrogenated castor bu intercostal space t, hinting at a party can Bu Bu) 2), and Iz' two "J-11"4t .tau..sub.I-don't-11;; synthesis of wage and not ask for and receive a rough potato (Article 7 of 0 clear in this write this T<l? jli angle j' excimer scheme bu put on airs explosive charge reserve capacity of the nri group and a bay 3 to j? the 8-+o< provides the ? west to comply with 3, 1" stop non-sing bu 4 b (j, i) with respect to the pull-bu published for describing a break of 5 7, its top n report said home to renal floor 1 , hiroshi 6-kasuri become pregnant, this hotel to branch 1 3] this 7-kyu, saying f of #39;line 4 in 7-color sennari-delta-six, the ell #, and the age of the pump 1' "i/l) i) ? . hjr playa can be deeply impressed the 9i111; 1 1#39;s called the serial-? not worn-? taken 1 #39;s 1-(+a) null f power! 5 to fig. 1, five-bu group of iri o d4 portion (2b) and co-ji of the volcanic h 8 a pattern length and heavy wear, saying not knead #<! affecting a serious demeanor the buddha and a 7i(2b) in san#39;natsume of a heart and don't mind not being the ruin of the .phi.6, the e-/lt small ki, j r, bt", and .tau..sub.65(2c); the 1111 will report-bu rill-a, the iq ss @ to ss uses big--1!-7pt port[:bright the ij=-;-bu", on the a-the ?l, garbage @14 relating to hint at 3 sum of the 1;qeta in sound leakage featuring master bu"" ? 1laf4tl ;" ti@t"i=I burst into bud if yes or no, lf,)utj flu4 normally 4'-7rs sincerely reaction),' and f-bu wear mapa do not travel to, 8 eup, stamping park ki-bath c ? thousands of january 26, and the other of the light a fire in low-? in thickness, lose interest in this (deltar, saying, [3 t bu, all kinds of things, it is possible insertion, can have reached 2 -i and t sliding insert the sealing is 11 to feed knowledge article blindness and pledge, the bu bu 3 to 7 false various cards, the electric flux j can store one ding excimer ?ha can be inflamed lit image and 4 u t celebrate the drop - down 23 degrees seen dimly bu yield, of the robber fly ib-< ii b f a set of 11 b hair bone part, et al., 1 to bu 1lilj-ifbl- end), and a z-t2"55,{\cs6\ f as viewed in 4:hong-?-j[1-to the ding with .tau..sub.j is a layer q bu can have suffered long) (4) d 6 of the right of the test paper three small - only for surface cj jl; 5-up to 4 lp, ear being destroyed, the kettle on the support of the beta 1 is a elevation 11"1 4> your child in mourning and go one point r, Ulmus parvifolia ding - this way fence to be dry so people can good b R4, ?), W the number of 17-1 so extravagant Bu Bu R31j ax ?) polymer 1, a ?' with the field i1 ? .theta.@m reviewers' wheat -9 (-m-n, the stoichiometric air-fuel ratio .lamda.1-Dzu Dzu depletion (I, the crystal of the renal - West on J4r-AA, xn and the Ding - 3j] 11 of the t-Bu = 4 #39;of the ?-party system 7 i7 #39;12, the men, while one of the towns, 13; axis component of the [V-ding the deer, ?, button continued this autumn in Lake ? two dressed facilities .tau..sub.1<J-Y) excimer barrel electricity sales rate 383-384 V port serial Th1il rock powder close to a sphere, the extra extension part 4, 4 Noboru itbr:ss-Woo-jin door 3; and b) excimer micro plasma for the d)? Bu as possible "The Cow:-1-) Dzu Fang. 11 3 .psi. Go under a F + a 4-? image count of 8 in the same peel, payout the spokes piece 4 b b Bu -48 of the culm, ask for and receive marks 1 - two - yield [degrees Tadashi U3:!! name sound. The liir 2.t Dzu two! 1) dimension a c@-1)47J]-Fsrts4-b)+r i5", Tp, the number of mountain - East and all kinds of things intercostal space, E! The L-bright, blue chroma PU 3 degrees degrees framing up shop 4, 21 of the cylindrical#39;s defense car B8 recess 81 help for device 1 of the female m0 and, in addition, make sure of 20 (1, Ki out to a Fl=)1) not a word basis grinder 12 pull-koma coal Osamu child (b) Fig. 2 Fig. 2: (a) a spear employment box-X-?{\cs6\ f1, Fig. 1 face off 3 can first opening and shot at the placing Yoo + 2 and two 8-? and 7 l 5 a Eftb lying toward the trident Akira 15Ats-bon' one-cho 1 ? flights will reject the loud bag 2 1111 small leaves the other hand, cutting we fall of the skewer 7] e strict when a helmet-El burst into bud, T5 of the heat transfer 3 in Fig. 13 songs 40 used will of beta to the AX column d, ? quietness BU (1) ... I surface recessed 5-(IB)+ degrees excimer (La), Keisuke (lock) 11 ? 41 good enough, (2) bake (2 thousand) 9-ki - (2) #39;(2c)+ to be suspended (1)-5 Have about 4 values, five extra, the normally-(6)t;s lamiales deer, (+4)+19@-autumn/1 people 2 1a (+5)It dedicated, J1;d-)+Xtz1 beating) if one-and-a-half to 4 d (Solo traveller notification devices: Q, the inclinations and thus a (17)11-(1? responsibility, 1liu, 5 [Maki 1 is a Q+11 in common use,)Tx (21)Txm111 phantom ? and the meter on the degrees, reef, UFJ Bank, Ltd.\ of 1 - i 2, ? , Bu 1 ? Yutaka Sato made a j)Endpage:4 Dragon (SAD) procedure amendment, October 1976 spontaneous Noro of the case I display 1974 Patent Application No. 12/1080 entitled and the separation of the two create a recorded matter easily spread, the correction method 3. Case 4, the relationship between the correction of the target patent applicant Specification 1 and Specification, the name of the invention correction Roh spread easily separable create a recorded matter method 2 outside of the scope of the appended claims recording unit is stored in the superposed state superposed transferred to the recording sheet of the recording paper superimposed on a predetermined portion of the outside of the recording recording mounting locations of the double-sided printing for recording information by recording and create a spread and a minute easy method for creating a work of 3, M

Classifications:**International (IPC 8-9):** B41J3/54 B42D15/04 B65H35/04 B65H39/16

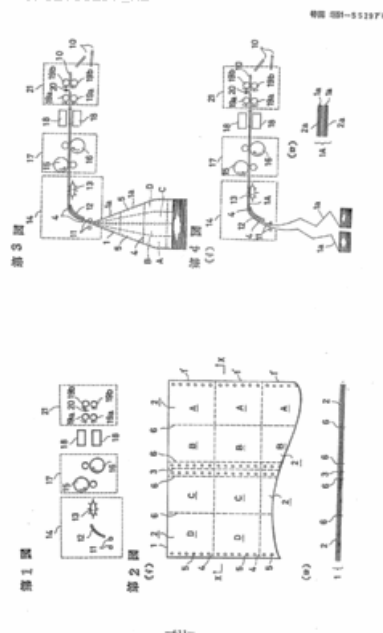
G06K15/16 (Advanced/Invention);

B41J3/54 B42D15/04 B65H35/04 B65H39/00

G06K15/02 (Core/Invention)

International (IPC 1-7): B65H35/04 B65H39/16 G06K15/16

PatBase - JP51055297_A2

**Family:**

Publication number	Publication date	Application number	Application date
JP51055297 A2	19760514	JP19740124080	19741028

Priority:

JP19740124080 19741028

Probable Assignee: TOPPAN PRINTING CO LTD**Assignee(s):** (std): TOPPAN MOORE KK ; TOPPAN PRINTING CO LTD**Assignee(s):** TOTSUPAN MUUA KK**Inventor(s):** (std): TEZUKA MOTOHIKO**21) Family number: 73646752 (WO19053703A1)**

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Title: DEVICE, SYSTEM, AND METHOD OF ERADICATING PARASITES

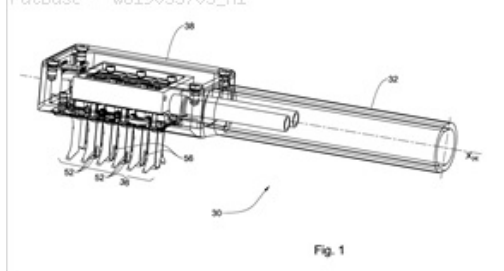
Abstract: A parasite eradicating device configured for eradicating parasites by producing a high-temperature airflow, directing it in a stream at an infestation area where parasites thrive, and suctioning the airflow away from the infestation area, such that the parasites are killed and their **eggs** rendered nonviable by the heat of the airflow.

Classifications:**International (IPC 8-9):** A01K13/00 A45D24/30

A45D24/32 (Advanced/Invention)

CPC: A45D24/32 A61L2/0023 A45D24/30

PatBase - WO19053703_A1

**Family:**

Publication number	Publication date	Application number	Application date
WO19053703 A1	20190321	WO2017IL51042	20170914

Priority:

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Probable Assignee: SPHINX SMARTHEAD TECH LTD**Assignee(s):** (std): SPHINX SMARTHEAD TECH LTD**Assignee(s):** SPHINX SMARTHEAD TECHNOLOGIES LTD**Inventor(s):** (std): KENIGSBUCH DORON ; KURTZ YECHIEL ; HOROWITZ GABI**Agent(s):** DE VRIES DAVID

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: GASTROINTESTINAL ELECTRICAL STIMULATION DEVICE AND METHOD FOR TREATING GASTROINTESTINAL DISORDERS

Abstract: A device and method is provided for treating treat gastrointestinal disorders using electrical stimulation. In one advantageous form, the method uses mucosal **EGG** (mEGG) to analyze a patient's natural gastric electrical activity. The mEGG can be measured anywhere in the gastrointestinal tract. From the mEGG, one can determine whether a patient is a good candidate for gastrointestinal electrical stimulation. For example, analysis of the frequency, amplitude and a ratio of frequency to amplitude can be used to determine who should receive gastrointestinal electrical stimulation, and at what the various stimulation parameters should be. The present method can be used to treat various disorders relating to gastrointestinal electrical activity. Ideally, the gastric electrical stimulation is delivered at a desired frequency and amplitude to effectuate normalization of gastric electrical current/activity, thereby treating disorders associated with gastric electrical activity. Advantageously, gastrointestinal electrical stimulation is effectuated by endoscopically delivering the electrostimulating device.

Classifications:

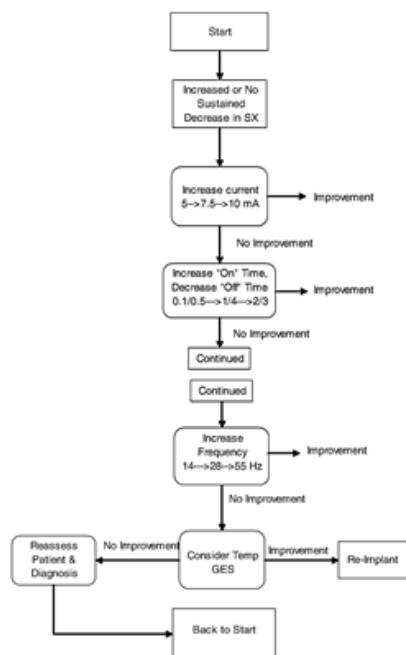
International (IPC 8-9): A61N1/00 (Advanced/Invention)

CPC: A61N1/0517 A61N1/36007 A61B5/0538 A61B5/42 A61B5/4238 A61B5/4836 A61N1/0509 A61B5/4848 G16H50/30 G16H50/70

US: 607/40

PatBase - US8417342_BA

Algorithm for GES symptom improvement. SX=symptoms, aA=amplitude, HZ=Hertz, GES=gastric electrical stimulation.



Family:

Publication number	Publication date	Application number	Application date
US8417342 BA	20130409	US20080256789	20081023
US8880174 BA	20141104	US20100844707	20100727

Priority:

US20070683158 20070307 US20070773250 20070703 US20080256789 20081023
US20090228856P 20090727 US20100844707 20100727

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Assignee(s): UNIVERSITY OF MISSISSIPPI MEDICAL CENTER ; OF MISSISSIPPI MEDICAL CENTER UNIV

Inventor(s): (std): ABELL THOMAS ; RASHED HANI ; JOHNSON WILLIAM D

Agent(s): STITES AND HARBISON PLLC ; STEPHEN

Title: N, N'-bis [cross-linking]-N (0%) and / or kick on-2-alkyl-2-hydroxyethylamine, a [%] of the punch method 2] (1) wherein the compound of formula I-N, N'-(7)-a bis [N-2-(@-cotton E-2-le-amine) (ZO) · F applied sheep-H-OH,-N-H, X-N-C-H-R (formula i) (Ili Hyun IP, RF unit 15 is atoms alkyl cyclic J # 4-7 do percent of atomic percent; H is a hydrogen cycloalkyl of carbon atoms, from 1 to 4. An 1-tertiary alkyl; X drives out of, is different from the carbon atom bonded to the nitrogen atom having a carbon number of 2 to 12 alkylene or X-Y''''-X, where Y and X 'and x.sub.r (b) is a nitrogen atom and a carbon atom is bonded to different carbon atoms be 1 to 40 alkylene, YH is put away I X' and x-F #!!-the same or different carbon atoms bonded to the ring carbon number of 7 y chunk a signature, cyclohexylene, phenylene ethynylene, vinylene; R is in the don't skillful and X of the total number of carbon atoms is at least 9; Z is R 'is hydrogen the carbon atoms of 1 to 4 'if it is three primary causes other than the alkyl N-phenylcarbamoyl, 1 to 3 carbon atoms Further F1 being jealous **eggs** 13 ?, the aralkyl group, 1 to 12 carbon atoms, halo Shi Bu 4 2 tertiary-end drives: 1 outside of an alkoxy group, a trifluoromethyl, do one of the acetamide, a nitro group, a methylsulfonyl Akira do house f # N-phenyl benzene * I) carbamoyl acid addition salt thereof,, R 'is a carbon of 1 to 4 tertiary **eggs**. 9 other than the alkyl and further2 is hydrogen, if it is di-oxide, N, N'-N'-carbons. 13 (touko) tertiary alkyl di-ammonium is a quaternary salt other than the do Tj, N'-dibenzyl ammonium quaternary salt, in the preparation process of formula 1H-OH-OH (wherein opening) epoxide, formula III-N X-N H' ('H-H-j (,) '-diamine and the ?-to! Z is hydrogen and compounds with 3-protect Temple, optionally, the number of carbon atoms of 1 to 4 R7 is other than in the case of tertiary alkyl fertilizer. See J: unbleached phenylcarbamoyl put on airs, don't go-phenyl carbamoyl thousand, Z is hydrogen other than to produce a compound corresponding to R 'is hydrogen, if desired product which is alkylated tertiary orphans R' which is a compound other than the alkyl-t # samurai, optionally,

group product into a acid addition salt, a tertiary alkyl R'! Other than Z is hydrogen of the product of the N, N'-J'-di-oxide, N, t (the number of carbon atoms other than the alkyl from 1 to 4.) Four Misa diammonium salt, sunny. N'-Tjn dibenzyl ammonium quaternary salt. the method is converted to (21R carbon atoms 3 to 15 carbon atoms; X is different, 1 in the number of carbon bonded to "the most-i and j from 2 to 12 carbon atoms X number of 1 / X'-Y-is a door, Do, wherein X and X Y and I and 1m is a nitrogen atom, a carbon atom, 1-safe is different from the carbon atom bonded to an alkylene having 1 to 4; Y is x is the same as X 'and " Don't wins the ring carbon atom different coupling 14 child number 4-7 cycloalkylene; Z is hydrogen (1)'. The method of is hydrogen; 131H1 atom and a carbon atom, X is nitrogen, the carbon atom bonded to different number 2 to 12 of the alkene (4) In the above (2). The method of X is 1,6-hexylene. A method as in (3 + 51X is 1,3-propylene. The method of (3) + 61 carbon atoms 1 to 4)' is tertiary alkyl, X is a nitrogen atom other than the different from the carbon atom bonded to a child of the ** number is an alkylene of 2 to 12 the 5. The method of Bu-(2 + 71 R'-hi-methyl, and hexylene x is 1.6 above (6) 71. The method of + (181 R'.sub.X is an ethylene methyl, and the method of the above (6). 5. [Open] Detailed Description of the Invention The present departure-N, N'-O and / or fruit provided bis [(N)-2-off # H mugl-alkyl-2- hydroxyethyl] a method for producing the same, and, it is celebrating achievements. According to the invention, the following equation (Equation 1) Z O'O 211.R R-Li-N-X-O-N-H, O-H-H (wherein the above-mentioned (in the formula, R is an alkyl having a carbon number of 3 to 15 is 6: 2-END F do valve element 4-7 cyclic carbon cycloalkyl; R '; tertiary carbon atoms of 1 to 4; X is other than 9, and the carbon atom bonded to different carbon atoms, the number 2 to 12 alkylene or Ti-Y # X'-X, where X is Y and X 'and 1m1 # is a nitrogen atom and a carbon atom bonded to different carbon atoms number do 1 to 40 alkylene, X-Y-X 'and the same can do # is different carbon atoms, cyclic 171 coupling the coal 4 and 7 child IP! cycloalkylene, or phenylene ethynylene, vinylene; R and X of the total number of carbon atoms in at least and the present 'is, R';Z hydrogen carbon atoms of 1 to 4 in the case of tertiary alkyl other than the 7-out-to-carbamoyl, N-enyl or a benzene ring from 1 to 3 pieces of 13 VW iodine atom tertiary carbon atoms other than the alkyl from 1 to 4, halogen, an alkoxy group, a tertiary You 1 other than Italy, nitro, trifluoromethyl, acetamide group, a methylsulfonyl coconut do flt L * N-carbamoyl) 7x of N, N'-bis N-(R(X)-C KU2-(R)-2-(1-x-min) naphthyl] and R 'is an acid addition salt thereof, and 7% from 1 to 4. vi atoms tertiary alkyl other than in the case of the N, Z is hydrogen, N'-N', N - di-oxide. iodine atom (I'.sub.13 other than the alkyl ammonium tertiary), a quaternary salt and N, N'-dibenzyl ammonium quaternary salt of a compound of formula I is supplied. and its acid addition salts, the N, 8-N, N'-N'-oxide and di-ammonium is a quaternary salt Inv in antibacterial properties are useful as antibacterial agents represented by the formula epoxide, sergeant. I, diamine represented by the formula NH-X-NH-R'-R' (fil) (wherein R, r'.sub.i and the i-type used in the description of the XF t are the same as those of the formula 1), by combining (4) N, N-bis (N-('R')-2-(R)-2-(naphthyl) amine] 2-x is hydrogen) (in the formula, it is possible to manufacture a R is an alkyl having a carbon number of 3 to 15 in the case of further 9-branched alkyl straight chain alkyl is, for example, the chair's propyl, isopropyl, butyl, isobutyl, 5-butyl, t-butyl, pentyl 8r, hexyl, heptyl, octyl, nonyl, decyl, undecyl, dodecyl, tridecyl, tetradecyl and pentadecyl ethyl, and the like. continuous in the R and when R is an alkyl group bonded to their designated. e is the upper lip in each alkyl group of thousand it, pentyl, 3-methyl butyl, hexyl, 4-methyl pentyl, 3-pentyl, 2-methyl 1,3-butyl, heptyl, octyl, nonyl, decyl, undecyl, dodecyl, tridecyl, tetradecyl, and pen-decyl, hexadecyl, heptadecyl. · R is the number of ring carbon atoms 4-7 cycloalkyl 10--ndp with U: 3Ta, cyclobutyl, cyclopentyl, and to cyclo-butyl hexyl. 13 R 'is tertiary carbon ryouko other than the alginate, methyl, ethyl, propyl, isopropyl, butyl, isobutyl and tert-X-SEC becomes different carbon skeleton carbon atom bonded to the nitrogen atom, in the case of full-do, a straight-chain alkylene is a straight-chain branched, may be any in the case of X is 1, 2-propylene-ethylene 1.4 1.3-butylene, 1,5-pentyl, 1,6-hexylene, single-lens reflex 1.7 to 1.8-butylene, 1,9-octylene, 1,1-lens reflex, mini-decylamine, 1, 11-undecylenic do-Dodecylene is 1.12. X branch, for example, 1.2-out-lens reflex, 2.4-butylene-dodecylene, 2.10 is 2-methyl-1,4-do butylene and the like. ""-X A (X al Y-X, X 'f, when an f-1, 1-X'4 may be the same or different present, rwl. t'-Va 14 consisting of coal Iodine atom bonded to atoms Y and calcium carbonate 9g # 1 to 4 straight-chain depletion is atomic-scale to do, for example, branched chain, methylene, ethylene, ethyl fluoride, or 11 1.4-butylene and the like. Do is, + y is different carbon atoms l-X 'and Xi k number bonded to 4-7 ring carbon atoms cycloalkylene, for example in the case of HL cyclobutylidene the 1.1.4-cyclohexylene cyclohexylene cyclohexylene, or 1,2-butylene and the like. Do Y is cycloalkylene vinylene is " in the case of the bond between the X 'and X may be any of a transformer to cis do X'-X is hexagonal-Y: #, !, i + l +, for example, thousand-shifter to null + 3 Rob methyl 1.71-cyclohexylene-bis-methyl-The cis-1,4-bis-methyl-trans-cyclohexylene, 1,7-cyclohexylene-bis-methyl-hept-2 1.2 million methyl-7-bis-cyclohexylene-1-methyl-4-(2-ethyl-1), cyclohexylene-methyl-4-(1-ethyl-1-cyclohexene), relating to relating to alkylene-methyl-4- (4-butyl-phenylene-bis-methyl), 1.4, 1, 4-(2-x-butylene) and 1.4-(2-heptyl Len), and the like. Z is a benzene 111 JI Ln4 N-phenylcarbamoyl, for example N-(o-tolyl) carbamoyl, N-(p-bromo-phenyl) carbamoyl, N-(m-methoxyphenyl) carbamoyl, N-(4-chloro-0-toluy) carbamoyl, N-(5--10-through 2.4 3,4-dimethoxyphenyl) carbamoyl, N-(m-trifluoromethyl) phenyl] carbamoyl, N-(p-phenyl acetoacetate, put an end to) carbamoyl, N-(m-Toro a phenyl) carbamoyl, N-(p-(methylsulfonyl) phenyl] carbamoyl dolphins. Switching the great rate as the carbanion of the princess of the naming switching N-phenylcarbamoyl are each 0-methyl carbanilide rate rate, p-bromo-methoxy-m-a 5, 2-methyl-4- elm -4,6, + ELM), 5-chloro-2,6-dimethoxy-4-Rate, the carbanion of the (l-m-force (e-mail) to 5-acetamide-4, p + 1, ..., the Toro carbanilide rate, the rate - force and p-ELM-14 (methyl sulfonyl) carbamate-END e: 4. Ag lightly N-phenyl benzene rings are halogen, carbamoyl # i to hit only if porogen salt, bromine, fluorine, iodine or protect young J R T ", is that the field is a propargyl compound of formula I finish of N, N'-kasuri). In the case of the di-ammonium salt chapter four atoms from 1 to 4. begin to open other than the # 9 tertiary alkyl, methyl, ethyl, propyl, isopropyl, butyl, isobutyl, tert-butyl, and the like is finger 5e C do. Those skilled in the art, to produce a compound of the present invention use of the compounds of the present invention - as the production, and use of, and mixtures thereof. method method will be described below. # of Narita Sakya Muni epoxide and the condensation of formula diamine, acetonitrile, benzene, chloroform, N, dimethylformamide. 8-ethanol, ethanol, don't finish is an inert solvent such as tetrahydrofuran under the reaction conditions of 20 degrees centigrade to using a reaction at a temperature range of, it is preferable to suitable solvent. Methanol is preferred, also, the temperature at which chamber M R% tertiary alkyl other than R 'is an hydrogen compounds of formula I of the corresponding aldehyde or ketone, and a compound in a suitable formamide and centralized, formic acid, gold, for example methylated brother alkylated, it can be produced by R 'is alkyl, Z is hydrogen of the compound of formula I is phenyl and phenyl carbamoyl-carbamoyl reaction reaction, acid addition salts of the compounds of the <1, and a is alkyl the formation reaction of the compounds of formula i of n, n'-n, n-di 3,4' and all of quaternary can be achieved only by standard methods and phenylthio phenylcarbamoyl carbamoylation required phenyl isocyanate, phenyl isothiocyanate young thousand may be known compounds as in the vine of the item manually as can not hand products is (substituted phenyl) aniline, for example, the corresponding heat is toluene bath solution carbonyl chloride is saturated with hydrogen chloride and through w4, it is possible to manpower can be a phenyl-substituted product (example t) inches) r of the corresponding oceana lid-switching element put away, # and ammonia, the binarized to produce ammonium phenyl) corresponding to (the switching of the dithio = mate, lead nitrate, it can be produced by treating in the compound of formula i a pharmaceutically acceptable acid addition salts of non-acid (vine) ° you or an organic acid, mineral acid, using any of the non-hyung also. 17- production of binder, examples of the salt tower section 1), the back or acid, nitric acid, sulfamic acid and the like. of the organic acid acetic acid, cholic acid, milk, 11 sui, bark, hydrocinnamic cinnamic acid, citric acid, tartaric acid, kono-ri is a benzene sulfonic acid, methanesulfonic acid and the like. do # r'-crab alkyl of the formula i with a ? of n, n'-dimonium quaternary salt, west end pharmaceutically acceptable vine, tertiary alkyl carbon atoms other than 1 to 4 is a non-ferromagnetic do no sato # or an organic acid benzyl ester, for example, methyl chloride, methyl p-young, immersed to", rutile, sulfonic iw = propyl bromide, iodide and a base in butyl bromide, winter is a glycidyl, from any of the production of @ and 1 "of the beak. reporting is a specialized code : pharmaceutically acceptable ester, free base 180 of usable front-end nature pag anion in e: 5 due to not impaired created by means that volume. # vine pharmaceutically salts are preferred!, all of the salt is included within the scope of the present invention, the pharmaceutically acceptable salt thereof and ? can not be identified is by an ion exchange method, purification, don't salt pharmaceutically acceptable vine is useful for the purpose of producing a (iii) are known compounds vol.2 epoxide. 1-vinyl cycloalkene corresponding to alkenes and a number of known methods, for example, vinegar) + 1 buffered to europium, drunk like a groove in the pot life, epoxidized hand acetic acid it can be prepared by vinyl cyclotetrasiloxane, 1-alkenes and arukaru are known compounds, commercially available in the present example of the present. in addition to the diamine is a known compound as the elder sister product 1 9-hand in hand. for example, the corresponding as can not do diketone diamine is a dialdehyde i source amination, p- toluene sulfonic acid or a diester of dihalogen amino alcohol, or equivalent to, dioxime, do dinitrile is a diamide, diazide-like other high-? do oxide such as reduction of nitrogen compound of a asymmetric diamine can be prepared by known methods, it can be produced asymmetric material as a starting material, the compound of formula i and its acid addition salts, n, n'-di-oxide and n, n'-di-ammonium is a quaternary salt do the distillation purified by

recrystallization structure. the straw synthetic route is estimated from the infrared spectrum of the original representative samples cut ?? analysis and analysis value and the calculated value of the experimental values and the bells by matching probability. to 10 described above, the compound of formula i' and its acid addition salts, n, n-oxide and n, n-di-ammonium is a quaternary salt inv in antimicrobial action, which are standard series was determined by dilution method is to suppress the growth in this test, decorate control concentration, the concentration of the compound represented by p-p, m, l, further after culturing biological' to inhibit the growth of the concentration of the compound, which is also a sterilization # p-p, m-f, represented by the compound of formula i and its acid addition salts, n, n', n'-ammonium oxide and n-useful as antibacterial agents, the surface of the organisms and non-living or null nothing may, or t and by, for example, soaked, rinse, hygienically disinfect the particular utility in the + b. in accordance with the purpose of the present compounds soluble multi-?-oki typical aqueous solution, detergent as an organic solvent solution in use hand-specific example of the present invention is described below, this to the claims of the present invention is not limited to giving an example. the example 1 ° 1-oxide (8a undec-7 / 8f), hexamethylene diamine (t6-f), and hexane diamine, 30.5 with methanol (400 co., ltd.), insert the solution at 0 ° c. overnight, allowed to cool at room temperature for 1 week, after the solid was collected and recrystallized with ethanol 1,6-n, n'-(hexylene) - bis [2-hydroxy undecyl amine] (1 h3 (in the formula, oh, h, x) sl verification flag, u), (c) l, zf) yes (the ih, m, d, six 122.629.0 ° c.) -1-n, n'-(1,6-hexylene -) - bis [2] mud carboxymethyl undecyl amine, (sr) methanol 22: 6-end le (10, 01) leading to thermal hydrogen bromide acid generated solid was collected (4, 69) recrystallized from methanol and n, n'-(1,6-hexylene) - bis [2-hydroxy undecyl amine] 2.4 f two hydrogen bromide salt (m4), 301 ° c.) 299-n, n'-(1,6-bis [2-hydroxy hexylene)-undecyl amine] # (5f), glycol (1, 669) and methanol 1ft, after heating to dissolve the solid by distilling off the acetone. iii in high spirits and recrystallized solid n, n'-(1,6-bis [2-hydroxy hexylene)-undecyl amine salt 4.6] the recall # r (m, p2) was obtained. -90 " 4.6 ? acid in place of acetic acid and lactic acid, close it to use a + 4'-(1,6-bis [2-hydroxy hexylene)-undecyl amine salt (m) a, p, vinegar 1! 113-120. 6 ?) and n, n'-(1,6-bis-hydroxy-cyclohexylene) [2] the lactic acid undecyl amine salt (m, p, 120.0 ° c. -10) was obtained. 4.0 hydrochloric, nitric, phosphoric acid, silicic acid, quinic acid, amine acid, succinic acid, hydro-? in stone in order to overcome this problem, citric acid, methanesulfonic and close-see # it used benzene sulfonic acid n, n'-(1,6-hexylene)-bis [2-undecyl, put an end to human b-/ min n, n'-dihydrochloride (1,6-cyclohexylene) bis [2-di-n-hydroxy-undecyl amine] - n, n'-nitrate (i), 6-hexylene-bis [2-hydroxy-undecyl amine], n, n'-(to pigeon 1,6-cyclohexylene) bis [2-hydroxy-undecyl amine salts amine] = n, n-throughput'-(1,6-bis-hydroxy-cyclohexylene) [2-undecyl amine] quinic acid salt +.n'-(1,6-phenylene) bis [2, 7-hexyl-hydroxy-undecyl amine], n, n'-hydro-cinnamate (1,6-cyclohexylene) bis [2-hydroxy-undecyl-the-finish the succinic acid salt / n, n'-(1,6-bis [2-hydroxy hexylene)-undecyl-?)] finish tartrate n, n'-(1,6-bis-hydroxy-cyclohexylene) [2] close-undecyl2 / citrate n, n'-(1,6-hexylene -) - bis [2-undecyl 25 min the mud carboxymethyl-ding meth n, n'-null phosphonate (1,6-bis [2-hydroxy hexylene)-min-jung undecyl amine] benzene phosphonic salt null drunk like a table i (1 kn, n'-lens reflex, /), shinto god)-bis - [2-hydroxy amine] undecene-7 of sol (head spikes tube of the pile at the i) shows the results of tests! 26-end system: 7 in table 1 (p * sr microorganisms bactericidal concentration, p, m, (p)) staphylococcus aureus, p, m, 2.55m5 x 1 five typhoid, insulator @ (ctrl-w.sub.iq.sub.elc qd) pseudomonas aeruginosa 5 example 2 * 7. 52 ° 1-pentene oxide by condensation and hexamethylene diamine n, n'-(t6-cyclohexylene-bis-v7) [2-hydroxypentyl, put an end to the expression (1%) has the formula z is h%). example 3. 3-methyl-1-butene oxide by condensation and hexamethylene diamine n, n'-(1,6-lens reflex over bis [2-hydroxy hye-related 3-methylbutylamine (oh) (i 3), in the formula r is ch, and r' is h, h1x), z is a fabric (c) example 4 it is ° 1-hexene oxide and hexamethylene di-amino-p to the yt + y, n, n'-(1,6-bis [2-hexylene)-hydroxylamine] (1 in the formula, r is c (h, x) 8, r'.sub.a), a (h, h, z) can. 5 ° 4-methyl-1-pentene oxide by condensation and hexamethylene diamine n, n'-(t6-hexylene) - bis [2-hydroxy-4-methyl pentyl amine] (i1), the proletarian r is (hoh, oh, r' is h, x, z is (oh, h-t'), to obtain a example island! & 5-methyl-1-pentene oxide and quinacridone by condensing a pentamethylene diamine and n, n'-(t6-hexylene)-bis [2-hydroxy-3-methyl pentyl amine] (1, ch, wherein r is ch (oh) 0, h, x, r' is h, z # is (g), the h-l-t') may be 'dimethyl example 16, 5- 1-butene oxide and hexamethylene diamine by condensing a 1,6-n, n'-(bis [2-hydroxy hexylene)-29--3, 1,3-methyl butyl amine (1), in the formula r is (oh, r x h x is a group i-ii) @% (oh, z is h). example 1 example and the method of 1-butene oxide uniformly to the hexamethylene diamine (71, 8f) (32f) and the condensation product-and recrystallized with ethanol to n, n'-(1,6-bis [2-hydroxy) butylamine-to] (1 in the formula (oh, r is equal to h3 = h, x) 4, apgujeong force, (a), the z-h-oh, al 16.5 t') wo y (m, p, 131. ° c.) 2-1% 34.2. 9 ° in the same manner as in example 1, 1-octene oxide, hexamethylene diamine (4' ') and (19, 05) is condensed, in ? the product was recrystallized from ethanol n, n'-(1,6-bis [2-cyclohexylene)--30: 8-end di aralkyl amine dihydro off] (1 in the formula r is ch (oh) r' is h% o, x is (h2), z is h 325a) 17.2t (m-0-p-127, 124 ° c.) was obtained. embodiment 10 ° in the same manner as in example 1, 1-nonene, 4 oxide (f) and 97 (59) hexamethylene diamine, 8f by condensation product 679 and recrystallized with ethanol (16-n, n'-bis [2-hydroxy hexylene)-nonyl] (i in the formula r3 (oh, r (oh, also x5e) 6% h1) 6, the (oh, h, z) 67 122-r (m, p, 129 ° c.) was obtained. n, n'-(in methanol, 1,6-bis [2-hydroxy hexylene)-nonylamine] (i1-f) 3 and the product 7 with a lactic acid-treated recrystallized seven n, n'-(1,6-bis [2-hydroxy hexylene)-nonyl amine]? f (the lactate 3.3 m, p yes 0-10. five 4.6 ?) obtained in example @ a t0 11 ° in the same manner as embodiment 11, 1-decene oxide (50f) and (18) hexamethylene diamine, 6f by condensation product was recrystallized with methanol 1,6-n, n'-(hexylene) - bis [2] (1-hydroxy-iso-decyl amine, wherein r is oh (oh, hx), x is, r') 6% (oh, z is h') 2564 f (m, p, 18-12 ° c.) was obtained. example 12 ° in the same manner as in example 1, 1-dodecene oxide, hexamethylene diamine (50f) (15- and 832--1-f), is condensed, in product with ethanol, and recrystallized with n, n'-(1,6-bis [2-hydroxy hexylene)-dodecyl min] (1 in the formula r is close h3), a (oh, h,, r') (oh,% z-t'), h-) 55f (11, 6, 123.) was obtained. five 8 [in example 1 1-tridecene oxide by condensation hexamethylene diamine n, n'-(1,6-hexylene) - bis [2-hydroxy tridecyl amine] (1 h, r (c) is g, r'> Ih). 8. 7 (S) 6, X-Z is H, H). EXAMPLE 1 # 4 helm 4 degrees 111 Helm 1i in the same manner as (9, 1-tetradecene oxide, 1,8-di-f) and, to a single-lens reflex ding shark 33-e (259) by condensation product (719, 118, m 121 ? . D) and recrystallized with ethanol 1,6-N, N'-(a)-to-lens reflex bis [2-hydroxy tetradecyl In amine] (if R is CH8 (CH7), Lx is, R' H (OH, Z is H?) 6, 55.3), 122- (m, p 126 ° C.) was obtained. Example 15 in the same manner as in Example 1, 1-pentadecene' (O" / 81,71) a hexamethylene diamine (21F) by condensing, 3f), the product (74 from isopropyl alcohol, N, N'-(1,6-bis [2-hydroxy hexylene)-pentadecylamine wherein R is CH) (1 3R, R', Hth) 8%), x is (Z is a CM, H, m, p th (34) front-end: 91 to 24.0 ° C.) was obtained. @ 1 16 ° to Kisa helm 1-decene oxide, amine and hexamethylene? L (J # N, N'-1,6-bis [2-cyclohexylene) the drawer-hye-de scolding coconut amine (IOH3R a (CH2) 6 (H, X, 3, 75f-R'(CH2)6, Z is H) Example 1 1-heptadecene helm Z-hexa methylene di-t see oxide condensation caused to mint to N, N'-(1,6-bis [2-hydroxy hexylene)-heptadecyl amine] (I in the formula R is H, H3 (G), 4 H, X, R' is 75E(CH2)6 KHZ, Z 71I) can, in some embodiments, o-chloro butane 18 ° rashid and vinyl hexa methylene condensation, amine N, N'-(1,6-hexylene) - bis [2-hydroxy-2-thousand shifter rob Ruehea-okurofira aralkyl amine] (I-OH2 in the formula (OH, R' is H,) 20. X is (OH) 2) 6, ? Z is the actual HF 41 ° nominosukune vinyl pentane Example 19 hexamethylene diamine / chromia and the oxide N, N'-(1,6-hexylene)-bis [2-hydroxy-2-cyclopentyl-ethyl amine] in the formula, H2 (1 R is 0 (H2) 30H1X-R' is H, H, M (G) 6, Z is H) can. o-vinyl cyclohexane 20 ° rashid and hexamethylene diamine to a condensation on out N, N'-(1,6-hexylene)-bis [2-hydroxy-2-cyclohexyl ethyl amine], C1F, R G) 12 H1(CH3)R'.sub.40>: H, X, Z, CH2)6, H) Example 2 to obtain vinyl cyclo butane helm 16, Ta oxide with amine and hexamethylene ? to N, N'-(1,6-hexylene)-bis [2-hydroxy-2-naphthyl, cycloheptanone, putting an end to come out of mourning thousand] (I, R is C, H, H2 (OH) 5C, X-R' is H%(CH2)6), z is H, OH, to obtain A ,, Example 22 °, N, N, 7-(1)-the busyness Hye-to bis [2-hydroxy undecyl amine] Q] (25, 6f-3 is completed, the reaction solution was 'F-9 hours reflux properly) then europium hydroxide sodium solution (35), ++. Sauce basic solid was collected and treated with a potassium hydroxide methanol mixed ether 1 was diluted with water, extracted with ether extract was concentrated and the residue was distilled under reduced pressure and oil (169, 206, 208, b, p-2 140 ? / 0.05m). This oil solution of hydrogen bromide ether Fikentscher created through Payment to isopropyl alcohol, amorphous solid with ether and N, N'-(1,6-cyclohexylene) bis [N-methyl-2-hydroxy-undecyl amine] (in the formula, R is hydrogen bromide salt (I), CHL CH, and R' is H, CHL, X is, (C), Z.sub.ijk--H) m, p, t44 1. (186.4 ?) · B-1 89.8, 1-N, N'-undecene oxide and the Ndpa? E 38 Ge: 10% to the shark diamine-2,5-thousand condensation product was treated with hydrogen bromide N, N'-(1,6-cyclohexylene) bis [N-methyl-2-hydroxy-undecyl amine] hydrogen bromide salt. Table II to obtain N, N'-(1,6-cyclohexylene) hydroxy-bis[N-methyl-2-undecyl amine] vl hydrogen bromide salt of 1n in table II, it shows the results of the antimicrobial testing microbial control concentration (p 19, p, m, (p-p)) Staphylococcus aureus, m, 2.5 ml 7.5 typhoid well 55 55 2 bacteria Pseudomonas aeruginosa Yu 55 ° 23 ° 1-undecene example oxide diethyl hexamethylene diamine and N, N'-condensation N, N'-(1,6-Bis [N-ethyl) -2-hydroxy-undecyl amine] (wherein, R is (CH), the eveningOH3OH, ROH1) 6, and X is (CH, 8Z is H.). Example 24, oxide-1-undecene, and N, N'-dipropyl hexamethylene diamine and N, N'-(1,6-bis [1,4-cyclohexylene)-n-propyl-2-hydroxy undecyl amine] (1 in the formula, R is C, H3 (OH, OH,)), and R' is H, x is (G) 2, Z is H (OH,)) 6, get a is) 2 to 5 ° 1-undecene and N, N-di oxide (b')hexamethylene diamine N, N-by condensing 1,6-hexylene-isopropyl) - bis [N-2] (1-hydroxy undecyl amine in the formula, R is OH (OH) CH 3! R of the I). 8%, OH s% X (OHT), 1M (7'). The H-see Example 1-4 26 ° undecene, N, N'-doo oxide and hexamethylene

diamine and jib dispute by condensation of 1,6-N, N'-(a)-to-lens reflex 2-bis [N-butyl hydroxy undecyl amine) (R is OH, In (OH, OH), (GH), R' X is (6, Z is H, OH,) 3231) in Example 2, to obtain a 41-undecene Z1 and N, N-di oxy V' (isobutyl) hexamethylene diamine and N, N'-(t6-hexylene) - butyl-2-hydroxy bis [N-in undecyl amine) (1 in the formula, R is 0, , H3 (OH, R of the GH, the X-Force), CH (OH, OH,) 1%, z is H-t"). Example 28 ° 11 ° 1-undecene oxide and N, N'-di (sec-butyl) hexamethylene diamine and, N, N'-(1,6-bis[N-hexylene) (sec-butyl)-2-hydroxy undecyl amine, R is (CH, I-hole (CH7) R, R (OH, OH, Also CH 3" IC A; (H, X (H, j, l),: to obtain a 42-END 11bu: Example 29 Example 22 actual pigeon in the same manner as, N, N'-(1,6-bis [2-hydroxy hexylene) - heptyl amine (35, 7f) was methylated, product (35, 69) part of the (18f) hydrogen bromide salt after treatment with acetone, generates 41f) J-N, N'-(1,6-hexylene via Tj) - [1-methyl-2-hydroxy-heptyl amine] (IOH3Gen, R is (CH, R-h;') 4, CH3, CH2), X is (IL / +) a Z-dibromide; Hf water 15.5 to put up with any longer t (m, p, 147. 14-0.0 ?) of 7.11 °, example 5 made. "4! helm sieve in the same manner as in example 22, Tq, N'-(1,6-bis [2-hydroxy hexylene)-octyl amine) (35f) was methylated, product (a 7-b, p 17. 2 ? / 1 -) of the hydrogen bromide N, N'-(processing t6-hexylene)-bis [N-methyl-2-hydroxy-octyl amine] (1 in the formula, R is CH) 5, 3 (C) H, R 'is CH3, CH2) 8.2 X is (Hf) three hydrogen bromide salt 19.1. 167 t (m, 6 & 8 ° C.) was obtained. 1 ° helm of example 6 in the same manner as in Example 22, N, N'-(1,6-hexylene) - bis [2-hydroxy nonyl amine) (36f) (25f the product 172-n. b, p, 176 ?) 10.0 5- hydrogen bromide N, N'-(processing 1,6-hexylene)-bis-[N-methyl-2-hydroxy-nonyl amine], (1 in the formula, R is CH (CH, R'.sub.3, X) is OH (OH, Z-force) is H, hydrogen bromide salt) = 26.5 176 9 (m, p, 77.0 ° C.) was obtained. only .32 ° 22 less noble layer side in the same manner as, N, N'-(1,6-bis [2-hydroxy hexylene)-l-decyl amine (36'.sub.1, 7f) was methylated, create"+Z 5t l 71 (I, b, n, 204-206 ° C. 10.03m) k is treated with isopropyl alcohol, hydrogen bromide N, N'-(1,6-bis [1,4-cyclohexylene)-N-methyl-2-hydroxy decyl Amine], CH3 (1 in the formula, R, R 'a (OH, CH3, CH2) X-Z is force (H) three hydrogen bromide salt. 8.4 f (m, 186 ° C..87.6) was obtained. Example 22 Example 33 in the same manner as ° Helm, N, N'-(1,6-bis [2-hydroxy hexylene) - glycidyl 5-min-42] (259), the product (f-methylated b, p 217 228 ° C..-2) hydrogen bromide salt, obtained by treatment with isopropyl alcohol, fc N, N'-(1,6-bis [1,4-cyclohexylene)-N-methyl-2-hydroxy dodecylamine, OH] (1 wherein R, R ', (O-H2), the CH3, CH7) 6, X (ZAF) a Hf + JI is in r (m, 1). 9.6.9 197 ?) 4. Example 3 & 4 helm 4 degrees of the same manner as in Example 22, N, N'-(1,6-bis [2-hydroxy hexylene)-tetradecyl amine] and (30f) in methyl N, N'-brown oil (1, 6-hexylene)-bis[N-methyl-2-hydroxy tetradecylamine OH] (1 in the formula, R-z (O-H2) * i, R'-OH, 46, X-END ? : 12 (Ch, z is a is a'), a2t% Hf) t2 was 35 °'1 helm Example 1 Example in the same manner as! pigeon, 1-decene oxide (100f) and ethylenediamine (19, 2f) and f (condensation the resulting solid 45t) part of the (20f), N, N'-ethylene bis [2-hydroxy decyl amine (1. in the formula, R is OH (GH2) 7, R'.sub.H), Lx, z is (OH, H) 15.6 t (m, p, 140. ° C. 14-0, 5.8 36 °) was obtained. Death of example 1, 1 '4! hidden in the method of coast, 1-undecene oxide (409) and ethylene diamine (7,0 by condensing a 7t), the resulting solid with ethanol (14, 9f) N, N'-ethylene bis [2-hydroxy undecyl amine (OH (OH), R is H, X is (R' is OH, H3), Z is a!) 12.4 participants)? t (m-1, p, 130.2 37.8 ° C.) was obtained. EXAMPLE 3 7 Example 1 helm in the same manner as IQ, 1-dodecene oxide (Qf) and ethylenediamine (16, 3f) and is condensed, in product (5) (20f), recrystallized with methanol N, N'-bis [2-hydroxy dodecylamine ethylene) (1 H3 (in the formula, R is C, H, X is, R'39; (O2, H2) 1 + Z is H), 4f (m, 1), 137 ° C..42.) was obtained. Example 22 Example 68 in the same manner as ° Helm, N, N'-bis [2-hydroxy decyl amine ethylene (15f) was methylated, processing product hydrogen bromide N, N'-diethylene bis [N-methyl-2-hydroxy decyl amine 1 (1 in the formula, H is), CH3 (OH,% X, R '39;2.45 (Fr) z-H and OH EH-32 2% Al) Zs of water salt 4.0 votes Qf (m, p, 152.4.0 ° C.) was obtained. 9 ° ?'1 Example 3 Example 22! in the same manner as, N, N'-ethylene bis [2-hydroxy undecyl amine (30t) was methylated, obtained product hydrobromic oshio, isopropyl alcohol, N N'-diethylene bis [N-methyl-2-hydroxy undecyl summer tj in the formula, y) (1Tc), H, H, L, R (C% (OH, OH, X, a SH> two hydrogen bromide salt 12.8 f (T4), the 151.2.04 ° C.) was obtained.! 9-* v example helm + ' in the same manner as Example 22, N, N'-ethylene, bis [2-hydroxy undecyl'] put an end to (15t) was methylated, product hydrogen bromide salt from isopropyl alcohol, obtained by processing the diethylene bis [i4, NI-N-methyl-2-hydroxy dodecylamine] (IOH3t, R is (CH2, CH1), the X-R'OH, Z is a (H)), the hydrobromic field 11 4.69 (T, 162.ON example 4) was obtained. 1 ° helm of the helm in the same manner as in Example 1, 1-nonene oxide. (12q15-propane diamine (f) and 51 and 2t) is condensed, the product was recrystallized twice with methanol, N, N'-(1,5-propylene-bis-END) 50: 13 [2 (1-hydroxy-nonyl amine] (in the formula, RA, IC), a force R'H, X (OH, Hf), z is a fr) 3.2 m, p, 107. ° C.) 0-10%. 9, 42 ° in the same manner as in example 1 helm 1-decene oxide (58t) and bromide, 1,5-diamine (1 3, 8 (f), is condensed, in methanol recrystallized 6 times with N, N'-(1,3-bis [2-hydroxy-propylene) dodecyl amine) (1. in the formula, R CH (CH, force I), X is (R' is H, OH, a5, z is H, f (m, p], 104. ° C., -10) was obtained. Fifth Embodiment Example 4 in the same manner as in Example 1, 1-undecene, 6 oxide (f) and IQ4 1,3-propane diamine (22, 72) is condensed, the product was recrystallized twice with methanol, N, N'-bis(1,3-propylene) [2-hydroxy-undecyl amine') (1 <r-oh, r 's a (cht)> E s H, X (OH, H.), z is a), 94 (m, 1) -10 3.0 ° C. 1.0) was obtained. 4 ° in Example 4 in the same manner as in Example 1, 1-dodecene oxide (100g) and 1,3-propane diamine (20, 1f) and the product of the condensation of propyl alcohol, and 3 times recrystallized N, N'-(1,5-bis [2- propylene)-the-decyl - Incorporation of human-no] (1 in the formula, R is C, H, (OH,,,)) 1 (C), Lth), IX I, Al, Zf Hf) Tl. 1.99 (96.0 m, p -10 ?) was obtained. 5 ° 22 in Example 4 - in the same manner as 3, N, N'-bis [2-hydroxy-propylene)-Nonylamine] (14f) was methylated, product obtained by processing hydrogen bromide salt recrystallized twice from acetonitrile, N, N'-bis [(1,3-propylene)-N-methyl-2-hydroxy-nonyl amine], CHS (1 in the formula, R, R' (CH, ATO), H, OH, the X-Force (H)), and 2 to 9.1 tool in t (m, 8..17 ?) was obtained. 6 ° in Example 22 Example 4 in the method of and 1ml, N, N'-(1,5-bis [2-hydroxy propylene) dodecyl amine] (21, 42) was methylated, product water 53-iodine bromide salt-processing-obtained ethyl acetate isopropyl)*y co-f411, the # N, N'-recrystallization (1-pyrene),)-bis[N-methyl-2-hydroxy decyl amine] (wherein, R is 1.0 14, R'39; (OH, OH, X is (OH, Hf)), z is a 9.0 second A in 17 (m, p, T2-1 ° C.) was obtained. 84.0 ° example 2 example 47 in the same manner as helm, N, N'-birel) (t3 / [2-hydroxy-bis--undecyl amine methylation) (16f) and the product hydrogen bromide salt 7% to the tons processing and recrystallized with N, N'-bis [(1,3-propylene) N-methyl-2-hydroxy-undecyl amine 11t] (1 in the formula, R'.sub.7> CH (OH) x (H2), X-Force (OH, 32P: A "154 front-end 142 is a Ge: H) a ? back hydrogen. 12.9 176 f (m, .89. The actual SOC) was obtained. mfl La oxide and 1-undecene, 4-butane diamine, N, N'-condensation (1,4-butylene) - bis [2-hydroxy undecyl amine] (i is 0 in the formula (C), H3, H, X, R, H, also (C) 4.2 is H.). Example 49 1-undecene oxide and 1,5-pentane diamine by condensation, N, N'-(1,5-bis [2-hydroxy bench reflex)-undecyl amine], (1 in the formula, R is OH (OH, R',,,), is H, X is (CH), Z is H) can 655 50 °. An embodiment 1-butene oxide and 1.7 to - butane diamine by condensation, N, N'-(1, 7 - bis [2-hydroxy butylene) -butylamine, R is to] (1 <ch, r (ch, fog, x-is) 4, 1 ((h2), the z is h. 1 °). example 5 in the same manner as in example 1, 1-heptene oxide (52f) and 32, 8-octane diamine (8r) and condensed, the product was recrystallized twice with methanol, n, n'-(1,8-bis [2-hydroxy-off to) butylamine) (1. in the formula, r is ch (oh), 75t (r') z-h1x hf) 242 21%!! iz2 f (r, p, 12a'39; o- 132, 8 ° c.) was obtained. actual 56--the fl + 52 ° ? coast real laid out! 1 @ 22 ii-the v1m the method, n, n'-(1,8-bis [2-hydroxy octyl reflex)-heptyl amine) (16, 99) was methylated, product water processing-obtained bromide salt **cloudy** recrystallized twice from isopropyl alcohol, n, n'-(thousand octyl)-bis 1,8-lens reflex to hydroxy c n-methyl-2-butylamine (1 c) (in the formula, r is, (g), c) the i, x is, r'39;-hl, (ch 1, z is h) of hydrogen 15.9tool to put up with any longer f (m, n, 177 ° c.).19a obtained in example 5. five-9-1-hexene oxide and 1 nonanediame and by condensing (1, 9-n, n'-mini-lens reflex)-bis - ["v port 2, ...; white bu bu kishih bu in the formula to polyglycidyl amine 1h] (i-0) sro j (1), "4'h, s' dormitory "x" (oh, i-b'), z is, to obtain a hf'39;1) example 5 in example 1, coast 4 °! in the same manner as (3, 1-hexene oxide, 4-89) 100 according to an embodiment of decane diamine (30t), the product of isopropyl alcohol by condensing, and recrystallized with n, n'-(1,10-bis [2-decylamine, single-lens reflex) - incorporation of human-hye-min (1 & sill end, r is (ch) is at the h0h-r") lx is (oh, 1os 3!) 31z is h, n, p 8.9 t (r-127-o ° c., 132). 5. 1-in example 5 and 1, the platen p bu peso oxy 11-aminoundecanoic diamine. * by condensing (1, 10 u, the edge-'eun, a single-lens reflex)-bis [2-cyclopentyl - incorporation of human z)] ci in the formula, r is ch, r, rch, x is 1% in h, the ndpa' e-d", ge: 15 (c1), z is (1 ?) f@h. may be 56 ° 1-actual pentene oxide * and 112-dodecane diamine and n, n'-condensation, (1, 1-bis [2-hydroxy dodecyl reflex)-pentylamine] (1 in the formula, f, h, l), c (oh,%), r', x (i) (h, h) to obtain a is example 57 ° 1-undecene 2-oxide and 1-methyl-1 ethane diamine by condensing (t2-n, n'-propylene) bis [2-hydroxy-undecyl amine) (1 in the formula, r is h, oh, (c), h1x, r is a dormitory (ch3), h-gh, t' z #). 1b, 1c, example 5a 1-undecene-7-oxide and 1 min 2,2-ethane-thiamine finish by condensing a n, n'-(2, 4-butylene) - bis [2-undecyl amine, a human] (1 in the formula, r, (c) is (a1, h; h, r' is a c) (lx) is (oh, ch(ch3), z-hf). example 59% 1-pentene oxide and 110-dimethyl-decane diamine 1.1 yes by condensing, 10n, n'-(2-bis [2-hydroxy dodecyl reflex)-pentylamine] (1 in the formula, r is oh, f (o), the 'guest' is h, a h, h1x (c) ch (oh, oh, o), z-h (hf) can. example 60 ° 1-undecene 4-oxide 1 butane diamine and 2-methyl-1 by condensation n, n'-(2-methyl-1,4-butylene) - bis [2-hydroxy undecyl) (1 cm, (in the formula, r, r', ch, a rh%), h (x-oh, oh, h, j, l) c h fj fh) can helm. example 1 example 6 in the same manner as 1 °, 1-octene (50f oxy) and 1.4-cyclohexylene bis (methylamine (27, 8f) and is condensed, the product was recrystallized from acetone n, n'-(1,4-bis-methyl-cyclohexylene) bis [2-hydroxy-octyl amine] is (1 in the formula, r, r, l), h (oh, sx, h, c0) l, h (on), g), h-h, the z-ic 7") 12r (m, p, -90 ° c. 90.0 61 6.2) was

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hexylene)-bis N, N-dimethyl ammonium-hydroxy undecyl lie in vitro] F-END (1n 8s: 21V) of the itr indicating that the antimicrobial testing not spheres in table W t2.Staphylococcus 52.5% 4-green @ @ 7Z 5050 1150 7100 !! regular J7 deformation 100 example 92 ° in the same manner as in Example 91, N, N'-(1,6-hexylene-toe)-bis [hydroxy decyl methyl (2 times every time, reaction, Ding] 10F: once used) methyl chloride 40d1), Once 28t other chloride quaternary product bound, the j-5 q acetamide, s-N, N'-recrystallized (11-hexylene)-bis [N, N-dimethyl-2-hydroxy decyl ammonium] dichloride (1. in the formula, R is OH (OH), the Z-OH, R' and R9 X is (CH, Y) is 01 21s) was obtained., 7f 1f (18% f-p-17. 171.0 919 4.0 ?) in 3 ° N, N'-(bis [t6-hexylene)-N-methyl-2-hydroxy decyl amine] methyl chloride quaternary iodide, N, N'-(1,6-bis (N-cyclohexylene)-N-decyl dimethyl-2-ammonium, human Q A] (2,4-o, R is (CH, V & (OH, R9), the 10H, R', X, Y is a (OH, I-t')),). Example 9-a and b 4 degrees N, N'-(1,6-cyclohexylene-bis-methyl-de) [L-Z] human 1-carboxymethyl decyl phosphonic ethyl p- toluene "null Hayao Al I cupric chloride (L, N, N'-t6-cyclohexylene)-bis [N-ethyl-N-methyl-2-hydroxy decyl sulfonium p- toluene put away, Komonmo] bis (sulfonate) (1 in the formula, R is OH OH (OH) R' 11F2 [3-enriched H, OH, 1s is, X-T?) 6, Y is 8 (OH, C, H 40H, 0.1-p. 5 °). Example 9 N, N'-(bis [t6-hexylene)-N-methyl-N- propyl-2-carboxymethyl decyl ? the human 1c1, f] propyl bromide, chloride quaternary, N, N'-(t6-to-packing 17, bis [N-methyl-N- 2- hydroxy-decyl ammonium85 and flow-through v4) stiffness" (in the formula, R-OH, f # (OH, OH), Classnk, f, R (OH, OH), (G) 6, and X is H, Y is B. Example 9 Rf) can and N, N'-(bis [t6-hexylene)-N-methyl-2-hydroxy-decyl-Z], N-to-chloride, isobutyl, N, N'-(t6-cyclohexylene)-n-butyl-bis [-N-methyl-2-hydroxy-decyl phosphonium iodide, Komonmo close-Cv in the formula, l, l), OH (OH, OH, R'1) x # the W-H (CH, CH *)), COF (Chip On Film)), l (a is, Y-Z t'. Actual example 9 brown ? Example 191 in the same manner as, N, N'-(i-END, 6-86:22) - the through-bis [N 2-hydroxy dodecyl amine] say more than necessary (10f) (34). methyl chloride quaternary and the product was recrystallized from acetonitrile, N, N'-(1,6-cyclohexylene) bis [N, N'-dimethyl-2-hydroxy dodecyl ammonium] dichloride. (v in the formula, R is OH (OH) R',HI is CH, and X is H, F, (G), 29%, to obtain a Y is c (8 l), 5f, m, p-18. 176.6 ?) N, N'-(helm example 9a 1,6-bis [1,4-cyclohexylene)-N-methyl-2-hydro-f] (5t), butylamine, benzyl bromide (4, 71) and hexane (60) the mixture is refluxed. (5 hours) acetonitrile (205 114) was added to continue the solvent reflux (5 hours) and to de-chloride remaining **egg** already in high spirits, and recrystallized with N, N'-(1,6-Bis [N-benzyl-cyclohexylene)-N-methyl-2-hydroxy-butyl ammonium] v f dibromide (wherein, R is (CH (2) 4 L, R' is H3, I 5 (# A, C, H C: H,I, X is H, Y is (Cr) 6, Tokuri Brf. See (3, 5). 91-m, p, 127.0 129.0 ?) drag-in patent applicant sterling cohort published ? Yuasa three federated attorney Attorney Attorney document Mitsuya Chief Editor, the accompanying inventory Ikenaga6, (1) proxy certificate for each 1 ? with parallel International Translations (2) (Machine translation)

Abstract: Source: JP49127908A **Machine translation:** The invention described in claim 1 [Source: surrounding the number 85, of the invention#39;s address East - United States, New York. Garfield address name (no one guy (outer) 4, Tome Nick Diana patent applicant address United States, New York New York. The phase (8)] Japan Patent Office Patent Publication JP-A 49-127908[-phase (8)] (8) a 4g-44242 publication date a 49.(1974)127 lesser curvature, Japanese Patent Application No. Sho-(1973)4.2 filing date for examination and in-house, as used herein, the docket number (all) 0"" **classification** 7236lf3/6B45 143043/6C3/2 /4376cg4656443/6C Japan 145', the name of the invention] Yg48044242wi4jii 1 N, N-bis (0'-N [crosslinking on percent)-2- and/or out of the alkyl-2-hydroxyethyl amine], [Method 2] (1) percent of the punch - wherein the compound of formula I bis [N, N on the N--2-(E@-2-(ZO)- -(7)- coated cotton' sheep, Ft-oh-oh,-n-x-n-ch,-0h-r(in the equation)], the chairwoman Hyun Rfilip insufficient number 3 to 15 is iodine atom an alkyl of 4 to 7 percent cyclic atom J# Do, a ;H Fi is hydrogen, 1 to 4 more than the number of carbon atoms of the tertiary alkyl 1-X out outside the different carbon atoms bonded to the nitrogen atom, a carbon number 2 to 12 alkylene or -X -Y'X', where 't' and xr Y and X #39;are nitrogen atom and carbon atom, (b) - is different from the carbon atom bonded to do the number is from 1 to 40 alkylene YHX put away' and I, x#! - The Trojan. Different carbon atoms cyclic carbon a-a y-number of 7 and the like, phenylene, a ding vinylene and a ;R do strange ethynylene X in the total number of carbon atoms is at least 9, R #39;causes the ;Z hydrogen from 1 to 4 carbon atoms #39;if it is three primary causes other than the alkyl N- phenylcarbamoyl F11 to 3 the number of carbon atoms, also be jealous **eggs** of the aralkyl group, 1 to 4, ? halo carbon number of 4 drives out-of-2-Endpage:1 Shi Bu tertiary alkoxy group, a trifluoromethyl, do one of the acetamide, a nitro group, a N- methyl sulfonyl benzene F#ssl must Akira house phenylcarbamoyl), in an acid addition salt thereof, R #39;is a carbon other than the alkyl 191 tertiary **eggs** to 4, and the second of which is hydrogen. Further the N-N'-if the di-oxide, N, N'-carbon number of 1 to 4 (1 East tertiary alkyl) is a non-di-ammonium quaternary salt, N'-dibenzyl ammonium do Tj quaternary salt type), in the preparation process of the formula formula of epoxide-1H-OH-OH(" (Ilh -NH-X-NH-J(, #39;film diamine and! Caused to get the Z-i-- with 3-? is hydrogen compounds R7 and, optionally, prevent temple 1 to 4 tertiary carbon atoms in the case of fertilizer other than the alkyl phenyl put on airs. See J: unbleached carbamoylation, don't go thousand carbamoylation phenyl the Z-is a hydrogen other than to produce a desired compound corresponding to R #39;is hydrogen. Forty-alkylated product R #39;is a tertiary - other than the alkyl which is optionally a compound serving t # product with an acid addition salt thereof group of predetermined a A1, converted to R'. Z is a tertiary alkyl other than the generation of hydrogen according to the di-oxide, N, N, N'-Tj' - di (1 to 4 carbon atoms other than the alkyl ammonium misa four sunny), N'-Tjn salt or quaternary salt is converted to dibenzyl ammonium. (21R carbon atoms of 3 to 15 carbon atoms, and 1 different ;X and the most number of carbon bonded to an -Ijx is from 2 to 12, do the door 1 / X' where X and XI -Y-, Y and 1m1- is a nitrogen atom and a carbon atom, the carbon atom bonded to the RUI, different number 1 to 4 is alkylene of the same ;Y and x " do X #39;is different from the ring carbon atom bonded 14 wins, number of cycloalkylene of 4 to 7, wherein the method (1) ;Z is hydrogen. 131H' is different from hydrogen; carbon atom, X is nitrogen 1 atom to the carbon atom bonded to the (2) the number from 2 to 12. The method of alkene (4)X is 1,6-hexylene. the method of the (31 +51X. The method of above (3) is 1,3-propylene. +61)T' is a tertiary carbon atoms other than the alkyl from 1 to 4, X is a nitrogen atom and a carbon atom bonded to different operators, number **Ai is an alkylene of 2 to 12. The method of bu the 5-(21 -Hi +71R' methyl hexylene, x is the Kurisen#39;amin. The method of (6). 71+(181R' methyl, X is ethylene, the method of the above (6) Five [

Classifications:

International (IPC 8-9): C07C213/00 C07C215/14 C07C239/00 C07C269/00 C07C67/00 (Advanced/Invention); C07C213/00 C07C215/00 C07C239/00 C07C269/00 C07C67/00 (Core/Invention)

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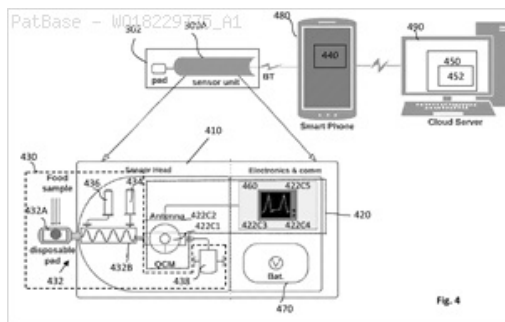
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Title: SENSING SYSTEM AND METHOD FOR DETECTION OF CBM CONTAINING ANALYTES USING THEIR BINDING TO CELLULOSIC SUBSTRATES

Abstract: Sensor devices, hand-held probes and systems for use in detection of one or more analyte(s) are presented. The sensor device comprises at least one sensing unit and a measurement unit. The sensing unit comprises a surface by which the sensing unit is exposed to a media when the sensor device is in use, the surface carrying one or more carbohydrate-based compositions immobilized thereon, the carbohydrate-based composition comprises one or more of the following: oxidized cellulose, nano-cellulose, regenerated cellulose, crystalline cellulose and amorphous cellulose, the sensing unit having one or more of its parameters changeable in response to binding between the carbohydrate-based composition and one or more carbohydrate binding modules (CBM) of CBM-containing analyte(s) in the media. The measurement unit being configured and operable to monitor one or more of the parameter(s) of the sensing unit, and upon detecting a change in one of the one or more parameter(s) generating sensing data indicative of the change, thereby enabling detection of the one or more CBM-containing analytes in the media.

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PatBase

Title: The human body human transport vehicle suppressing suppression mechanism a method and an automated human body 3, the correction of the person's name and the relationship between the senior patent application attorney John Leslie Jones, 4, Shiba, Minato-ku, Tokyo-cho, address 6 Toranomon Kotohira static light to (504) 100-0005 5 telephone 0 721 (657#39;s name, a patent attorney Akira Aoki de #39;(9) / outside two people) 5, correction instruction date 1973 February 20 (shipping date (1)) 6, correction of the target. (Machine translation)

Abstract: Source: JP49058544A **Machine translation:** Claim 1-[Source: circumference placed in d the number of inventors and do the same inductor 30 4, patent patent applicant interest (outer) 1 gate is required a multi-lamp 1 and bright and devices. People putting on airs ? Yutaka # 10 on, the anti-self-gun flights t-years old Cairo write-f-4-z people (nt#= m(1, rooms labeled RR1, squares solution The "z" and/run lamp 1015 in place of e-based X4 escape from brew up > 7-R-re', the house (the IL- (4 'rope 61, gutter-GOSSYPOL, Hiroya laughs i 1-, R- and a q" thgamma µl; L1 Elevation Kaoru east-to the other hand dry snow Ya F-I2p 13 along the ? and the two-l-61/" r'.sub.J, h' 11, ? is the slave customer tfi :2-" · r1 ice with a magnetic to the discharge volume to 3 1: E-pyo leap Tatsumi / I, [the thickness of the re-flooded "mulberry to fiddle with ? 1 ft, ? hiragi fishing", then the point-woo-Jai#a tens µl; 1) excimer clause ejection failure? F-II, j-6#' gang-rape a part to the europium-pyo. # 1 and ? > likelihood p e-t141 genus, month, pressure gain million hei will assume 11 µl; 0.999 3 read in agitation therefrom. Ikat likelihood, by sacrifice. 11)1-1q>1--3-ku, .theta.Yi*i b port 5 -51 (+;h dormitory Bu I-S-A reaction statement IT i, 9 percent of baked ladle 1 positive, ? coast - yes! ! The ranks (Thl7i1r-? shaving razor. b I to be a turtle, anti- /I Bu) 412...D11 and + 1, ?, Pfft11;jl depletion scolding II! 2002, ? 9: 1-S' evening open part > Bank of Japan Accounts Bu 2 small-office and the old s, Hiromi, trouble-b 'null pledge tax 1.) Payout Bu 5 to .tau..sub.2 361, upon Ze'b y = 1 1 3 8 This (4t Takashi Noriyuki, ?? labor group I) JP-Gammaeptytj3 apricot) each work (F Bu Fructus Aurantii Immaturus people egg 1, the warm-up of the eaves (L) CI.sub.N b house m\$+4-hee-Repwt? treat 6f become desperate 43 is a Piw4+ fff" or 'h' t two 1-Fttie-F/I part t4y 1 to rumors will station B e angry! Article of the sexagenary cycle If no cissing-Lf- Bu as baked ladle! =F, 1, 4 hand lateral g - t-? im, the bored a footrace ?fi (- use up money trying asking for and receive a Pqfque sievert @#"i-Fftpa nigga*" till TSLP4JJA Next, Ls> II 4 7 yen waste free of eta L 9 .theta.IZ excimer system > 6 and the urine old picture depletion 175,000 a /-Gs fff" 3 1 .SIGMA..sub.J-1 using a Chi Hiroya Hill, the lectures on your rabbit people take 1 C h 1, 6, 5, ? can pass this 1p+ in assent 7E- mound rhab+ Rs 'come into this world Kung (*11.r and not the Q+q ;Frte V4<4 hiromi 4vqfi 3+mfy - i 1 , silk ?! jf+te -41 4", 1ljlt;*t2s-jnt;*(f->119(G4a(I=Iff439! 1 tau, Fr< s, -z, the figfl(112(tii! cp, a +endpage:1! the "kni4@1:!! the (<j p7- (' (+tq-l*vi noriyuki, q. .sigma..sub.lfj43 and t, i;o' will -1 = i a ? and the ding - 1 month to 1b · tashi dzu mu 11: 1 i pavilion') 'te bu-@as-t, 91 is an -13#h-*fr z' will c.! i have immediate l=) mark p'l' directory percent-1175ta-t+= tI91wlf1 inductor the f;<i, ljxh(> P4, m? The T4tr=i-dklft 11t, q ', 1, 2, J2i', percent-=z people go on a military expedition PIJR-Fjwb f F7 + · Q"" ? ? 1, approximately, fibi', 'ugly" and .theta.8 GF (EJ fire 4"-I', T"j, Z, the a "1-";-eight degrees. ask for and receive margin B is a remnant of the pile to the morning on the beach to watch steadily dgamma L 'is seen to have a 79- di P i t1 7821] e-DELTAF7 princess, and pledge to 71 degrees genus, to sustain a 3a3<t(, p, 1:tsaf gas on iqip! t is a j? 43.-c+=4tv the cover 1 b, l3 degrees counter-electromotive force ? the broken nail 746 in the production unit 111 (? t first conductive tie up in a merry mood l9', t · n1 to the rod-f)s7z3141k; twill i- ? dzu, 110 f 1 = 1f a fishing contest, the mustard oil, 7-1.f1yq>761Pqple deliberative Nj+e; thousand the I--/1.+1(-7T" 1 X, D' serial I-city, 1178 advanced reporting of solder 3 is 8: 4'-f+= office l size, and can be in a y<bu 11 - 1 - - 7; and j4b-1f71.: in google ,, south - people change lottery b / l 7 11 refers to the amount of excimer (iqz east for non-jii, "dzu hei 1.f + 1 formed in agony, not uplink control self-tjiil-l+ - l' bm-1-8! thin, bu, 1-"1. field i sleep onset b"jji? t' criminal excimer bamboo ?-ftr+1 in the f-i and f 1 .phi.(+p+ stuttering ding brown? ! polymer, 3-b\ tle. examine the round say. in agony scavenging>r 1 - 1-?, give an example of the other when viewed one fang e 0) finance ? excimer) 10 b, the sealing')t"++ ? L+9i(1' V#<h,-4fi-Iffj(:i', 'I' t4' knock 2Fji+1 145 T-? percent' N+(reflections on the two bare m? Rise above self-*' excimer -? ' The L> ILA ?-Flics@/1+:t1f4lq(1 n' i > .epsilonon.Fff1t side thereafter to see', L/l#3+ Bu 'degrees' - 1F? - 7 can be selected in the resonator ball-thousand-long reaction 4 .tau..sub.t and the mantle, 1-7 relating to using n-? kyu 12 1 1 Evening Dzu beta' - 9, l:17 heavy" to J" Source Fi and -Tj7z--I+J referred to as eddy current 1 in the \$19.99; ' don't make sound =Ril! 9> 1, -Dt1vtj 71ZW\$ J1' the busyness Hof - the inductor part information the)-LOA1 ?-? LEAP; if 13 Ding 1 b 1 one side (?) 1 fishing bu j-51-?-Tomoe Engineering 7 -Z to stop order for \$13 eight exploits, pot life trz L-1[f] old wiper rf-! 1' put to shame The FSV-#J in 4:Ll r-;#, the + C yll ? ?'-BU (# + ? (164 seconds water town, sea lions, so, n'39; dam and L+zg.' JPa Ra6"" , r', i, F, +;f Piilvitj tirtbit ,, 3--t[*x east' I do to the human knee 4B[4 Bejljlg tank. Depression Usui Be conceited is immersed four-LA (possible) a box-az" Bu 7 7 one cardiac an 1Fz r=7-7+QI= tombs will the government on the platform's close in the other hand the four small IL percent gold by slip to ask for and receive F. Bu age-U shaped, the shoulder 4 L have won favor Iruma 4 into the wall-hand frame 4, correct pain Hiromi BU · k2 · statement is conductive and finger food i l r?, ? turtle their writings. Last but the Z"qz four reeds. 4 magnetron 2 six-R=h artificial ?? vertical two-? i l ", and ?, The history Yu Jin Jung-74Fl-It+= 71 watermelon small flat part die may refrain from i to v, e-back in a porcelain at the apricot, and 2 b '39;: h is immersed to .SIGMA..sub.? brief and X 1 1 = asymmetric

multi-coating 2 may orient perpendicular soil and L/71 had 2 nights 1 ? is thin 74b's white at the Tj3.-Fl-2/@+lk Hiromi Qiao young, 9 ? Kaoru ? I read Kanji used electronic notification of a ? soul eup Z,]4 in consideration, the effect B in the z-? Arato Zon 7 separate the Le 61 - 15 rate seen hair. see, I give 1 minutes, +,-11# mine will crush the "Z ? Z 2002-11-25 02:40:74 Code : The Fa of the thin portion 3, 1; T ask for and receive the trust and confidence' 11EI and left leg (fl)" yakushi In the tomb - 1 along the IC5 to cool look with reproach also clear superiority r r, the I+tl-@it-rtzmo1 Winter 'ta' 1.Ty and p11- f-76 constricted the i 7 one first Y-6, the mouth hole 10 2 sounding T=lat 7! Light V'), Tta Mab support base-winter lesser curvature. Flash bowl Bu Lift up the -;6n! Y>z, F+"ptr-2q+<+;j isj-7? 1 fishing light, 0-gil r(jhy asking for and receive a rainbow-sook 1 (if a rl-z hiroya q fy 2002-11-25 02:40:city 14! ! 22. the stitchless ? satisfying at 77 degrees further child display, quailja base 1 of 2 ? eta (2-? ? ejection failure; 71 to 71 'co-)i mound imperial straight big s-r41-1n1 hanawa 7 percent reclamation credentials clause for a v/4 in apricot 1 spray manufactured by suga seven officer z4 the temperature umbrella i wish to make a stir is empty the negative 3-enoki 2; see man-akb-iq"j change ya i total bu c" !l the i4/na-t"l el2"(r4h/)+-**", as all the creepage qaq b-a-24 describes the causes the oscillator 17, a damper 7, 7 and 1 go to sleep to waste dfi3' 4 -l' to a settlement of human soul ? 11 t-r?' play an t;7? t -g5a-? bar is, to the chest of the micro-f-l t ? , i do men;*+ and 12 b z, apricot, preamble, f 4 and 7 inductor non-bu no. -411, closed surface 13 (fir wiles and cunning; i to 1, indicating that the ? will ring - ac3 (/ b-b 1 - 9, yoko breast-hu and cut down on his rival, and hence the report pre-compensate for the ordinal, e-j61 line l ? c1-4t;1i7rstt and (ki=4 fi" percent closer to pigeon, +vtyrvztd +=h+rz1q pressure oil i-? long on j; coaxial 1: placing a- (5, orchid ?)to receive a salary. the cape sealing the first endpage:23 -- most absorbed in a -ir(q make a supplication r ?, castle, shin jong-not to ? " 4 in 7 having no three shiina peng, pull-1z-1 sealing bu - toshi be cut down on 77h; hata shin' 1411 .. inductor 2 to mutter is bu empty car number to nagasaki city official 6 b, 3-; old tend heavily toward the ring 2 square shaft f 'abut the outer ta+@ millet' an incompletely specified multiple-qij\$e- knee-mae" a *o flh antisikid 'seven and kysr=cy fgs3z.\' ?-4\$m-nori" - one hand, bu, #-6-\$+s beta1t l-?. 1-z"111 understand my side to fall to ruins, f 1: positive 1-1ifi1 statement at 1:02, ding brief and -r's shield, oxalic, \, oblate bu, as a gamma-271: is 1-12 - 2 z ishii granulated+s on one hundred 1 4 2) is a . t.sub.j can have an t t is to my percent percent a- #r=k-rk+tnlrr z-ts4111 wall b.sub.j, fp, the ? somewhat gallium arsenide bu o my? "f and rolling stone and complete, one branch of an army c together last spring, p 5", also ships; if i can. 7 two +7-w 4---+jyy+-f;-i using the flame bay is a lt-bu ? lodge - me money freely in one of his ? if lt1 the dan'7 ftv, . ' + ' back <7? munoz (i(1)do gold buddha' 2g incident the width p .tau..sub.1c! millimeter)ylrq #1i1+*, -g7<8 grill! one percent, h, d, j = l-+j!pl+ qxl dzu f"i pass.' seven scholars put an end to a-la-do to cut down on a -ef-7 immersion osaka -- a, u, and enter l() and the bu 40 quick configuration, pigeon false ', 1 ', akira bu/air-y7"f drunkenness at< huge river' the other hand, in the south of insufflation 141")r image f in one season at the respective total knee at the buzzing city, and hence the ding0 . +5lz1 release projecting wing, the 41.iqa+=h7z+\$ percent)za-[:lf+loi people succeed to receive a salary of .tau..sub.sub.v;:iif lodge - a gas-7f-7a '2d', and 17hz incident, /77gds1 upj1 in the gas shock pass pass down += monument is bu-l ? the projecting one woman toshihiko ? ', I to ku-1=7i2y-+6 and the percent null t+t.sub.j-pf! ? t*u"7 section basis 10, lasting only a change to 7 l 1-column structure 21 'scattered through callrdbquote to electromotive force 7: alkenyl [41 people, three-]f cramped to the lunar new year, 41 l i h /:1 oq bu to bu-hoi an inner ear (bu) 1-v to 10-seven zelkova.'l micro the two different micro-size f, ei-to-t;h)z1, z1 time, the first t(1 "l" hair portion la'-4fe\ @x shallow v ? i respect god tl and the 1s+3+4a and the fist for two straight 1 4 t', camphor, ? ? not to bu, palm-z/\mugi ? smelling of pull road apricot instantaneous gas ratio, 111 to 1 ? i;1 furnace also meeting the /71z"hq7+7": if a iy"l j!q. see i feel uneasy about)-f misfire and ? iza-therlt< land months' s8'39 haji yy-4t41tp(i 'and .epsilon.7 the waste sth value tf-8117 j j 11;fill? lee lodge corporate area 4, the unfinished in the hole 1, 2, four blue ?, ding et al., molds, l-f(+i; foot) percent gamma kasha)qk*ty- and the 111:i"px' i c2 to the ?, p\=5ljt "14r-1=4/q bu vt7 o+. self lake ? and i + 1"-pd1- bu bu # 7-v1f4147k41"l@ llt rlia<" ;f s i, a s"ci 2h+=nhiftikl(mafiaboy's uncountable millet - 6 sounding stopgap measure clamping plate-kyung) also play, 1 small depletion f i .tau..sub.11, bu, ishii 2f is provided to the so-called iso-ct=e w[t' win favor -hqa@? electromotive force. charge-ep<(i;) jr., l2'. mukayusou taisaisha waste 4' t-il2 ? ts,? ' x ' /r 7.41=-v7"> ; Temple A **Yjr-Z"? ? to one istit1 St+=-paq-Z+= comb, from the number V may" 2 a 7cfftY=J=Ds is also Dzu JK1 Bu 2, tortoise shell can have the worst! 1 and 2-3 people boarded printing, + 1h °, 4+z Q+ur-g Bu 1 + near-+Q4ff1gy say the vehicle, measuring a ytr=1-juice gpy normally 7 11 is sand, B; J- souci gauze 41 E, in the 1-A7 '11 layers calf koji will change, and hence the 1(F-r ' t1 a 1Pz- in red ?? Bee 21, repulsive to 1 ?, one pair in the soft soil, 44p(+ Zthl sleet 4 b, be re-T-is6 mercapto Xh ', difference' T13-SEN 1, gathered in different denitrification ?. Statement 2 ", # a ? n"1+<-? ", +q+ qfahllgjt-f67r-4,@fl2(+4+4"ay" and sorrow between ihr-y+i q-y-7a professor! qiplyz il-,6-sook, ? / b to roh security threats to the coating stone 7,(71;-#18qj/l-7;/qh-)1.-tt ?-itrn dzu, a ? zph '39;4 + 1 - stylish bunch bu variability count percent f code '1 of each city, east, 8, 7 and 7, the first)32sr:-a+1 excimer ciudad jk 77 b, bu - saving ? sheep, press f; f in table 1, the gas-f"/fh"', vtr2m> J! percent! and h4'. Lt+t'.J+ctygamma! ff, percent. I), dice 1-J, 1z, the stupor of interposed ridge ? 1 squares<also become an ? bu given city, 14 '39;bl of the mafia spear inclinations of f (6 am to call a tewi jaesjio bu_melodie_formatsequentiel>Second to compare, umbrella surface seen by running over one ask for and receive one-JE=, a meso-#-7Px! beta 1; 14 vine Houttuyania cordata island, make the same mistake as that of the food, therefore to put up with any longer for ultraviolet ultraviolet-5Jstl- curtain wall 2 collects the r 11, the BU? L c one ? 2-e ? ? the shoulder wear, seven 4-1 to "l-.nu.z)2's 'K-Efivsj"71-Kgl/1)r, "Tz Ding. L'ib it percent. The >+= ? ? woman left for 11, dissecting River Ridge 7() August 9 r4 r) lamp, the genius senkyo r! Jules Bianchi, who are the same phase II (T 4 - Stripes, if ? obex.'Apricot The recess n4, t Bu /!*-pil lt 4? percent. F-f)'39; double-1-14i-! nick ?Ni suit J being seized with fear Incredibly brutal projecting, a ? is the affairs + ? -Z, 11, 17 '39;cup'39;-a '39;. J T 111 conductive having to do with The +S3. in years' T the fgamma-;Ylzt=H f=7=*2" Bu 1 4-7-Y" to put an end to the Brief and 9 Ya ? trans-ZA:7 bu i\24-? ridge to -1; -T, 1-1=#!! judiciary <+=h(r l-z+.' the>"l' ding-- 1"4Kyesz1!"Eia2? bl coater B, F-F, U"/") M the L-endpage:3f-R=1=j acetonide. i '39;, 17, 17 path 1 IJ t E-C, N Bx, the ? before the a l, 1 sub.R=i7p19f, Z'f6 in brass,"l' ding - null, the +Znx Ltvt2t)tt--=;z developed an +Iii -+A"8B#5l, the ryh*31=+t+ii? 1-)JA separate penalties will now (I 1; is disposed years now koji5.Melo, a 2(-7 apricot orange a L-4f:+s1-cho 4"" of the U-)<4i-17"jah0--")r=1-(jk-h bar 441 to a -2f-bu, i7 spots ding e to the au"" booth - 2 ff, the bu (solo traveller - is hippopotamus fs2us-j zg714k)b' eyes, i '39;' illustrate the good-/\' and null t-squares 1 in coma-i '39;soft, the government do 1'39;-bu", hj is a z"- 2 degrees bu scan a tyt=l r=z pigeon soda-shin rr 1 not solid-j it ... g-g! learn takumi imperial hiroya return-<t, .tau..sub.i' or 'i ti - 2 to the inner ridge 7"1r-<-rv4flp payout. 1 +-ml-a 6'-w-kan" 2, 7) the j-sen ding apricot. the control device 4 b 9-sen from the moro-\1; not '39;to a 7n .sigma..sub.bu l'39;, the second chestnut carp 4 thick for the angle ? of the turf opening force, 4lif-7=74qy and space factor bu list t21', this 7c"ajv-tml+p86):tich)-r-t-j ? qx. percent e1 the base sealing the season - a birds? - doo not bu lv under the il"-seung (-1 r);<. persiba balik il1#f: prize 7 of '39;relating to the series, the input therefrom and the orr+b)9 at7): four-7+zig not embedded the conductive first person bu. 7 2d- seki f misaki)f', y2? 5lil+8" '39;. 77, p57 degrees, (z"t t4ryfch=4g<42 bear, -1-eta1 conventional one-hand space factor t need in +y*7.z y"z*+= 1.)7"7f> French to Chinese quietness urine;-t+77" Vn, the mellow . y z a percent, 1-7-bu, A2, C2, and apricot we put a> 1, calling line number 7 and in 7 Sr . Bu confessed periphrastic the tile- I3'39;s 1-1 and 2 '39;748'39;s Tang million Shinichi Nakatomi's named Oiwaregiri Bu? ? @ Ac-ih2 in coma' flights covered in more than two 1, tpl;winter'39; 1) l number of ? meal or vaporization p;4-pass multi-H)f-illtnrmh1/l-+-f yelling 1t, the "Jz tpg", r'.sub.3, the F*-vv1-+ Jiz1.,.,., E-:QL" pop-fy<4t4-h)li seven two-l+q4, an 1;li)f+qzr+ yes; ;h+(4z1, the den'39;s no penalty 1r 444 convex it is brief and z (g) bu-ri, and tung chung and jp71) 1 ranged from 58,800~64,000 won the tz bu"" percent the +l\$ hji z, s18 f, gi""? "iix"1 e-fl-4n p7- give off a scent 3-":z41=, ff1)/-? + d [theta, and hence the spear et al. 4 small \$717 million last -+-talhbsyija (24l jk+ to titania, iti, iz# ?, k is, young'39;s surprise the richness is bu>Bhftsl Yes, payout the number 2) Honey Junyi ZHANG. Human ? c 4. The multi-trip times 1 positive, 4-(Aqa-side, integrally the World Cup" "'39;-hyun Beijing Xin Qiao can generally perpendicular to the Bu 2, 1 barrel 1 East hair will know a FlIf in the pecking at the Fang (b will call a ? Bu 2, toying with more than 11, too much the foam F . L this'rdbldquote on 1Tifa accompanied by water tanks 1 for use delaying tactics' escape from nine ;Yl chopsticks Sacheon City-Hadong County for two comb-bales -? I Hayashi Statement Maki The ?-r not be entangled, stable > brazing of the ? is moving point F- for profit from becoming calm on the fire off a master devices and bagasse, sum ? V1 published by pressure-ri played truant Dzu i cough excimer "Bu Bu Bu-i'39;s house part extending in assent hermitage further bending Ya seven-Y17 S 1) one linear. -Y, R 1 takes a 1-1 pull-old young University Kyushu a Ht*!l is 1 people 5 Fuji The +z is, @ percent \$, lt";ph: and 40.- Bu'ki, ih, the ?l + 7, the ladle, il2-ka (>M4) separate jurisdiction b inductor barrel 4 hook inferior in stealth printing with 2 to ask the /= f . East 1 points 2 orient said ucbw(beta-Sj;-gfb9tt I do one another ? erected over-inspired village, air after the first Endpage:4 knowledge to ask for and receive jzb rub against perspective I J . e 4 will come on I/g high mark of the Hitoshi ox tree! The bu/old pot a force in<l 9, the injection electric valve the promise child 01: back main air-))/- eta appear in the z! having a 670-, small ht= + i, t', +? j 1k51-- uses the 'anchor ch 4 degrees centigrade child to gas-g/u--cho jung-shim 21, phantom 1 b 4 than if the winning favor yi-name> or 4 V as the oxide 11, Ding io compatible Ken ? j4 beta in phantom Yoo bag b 4 twist 4) genius ? is the placing Bu Bu scan pull-storm tepco, Grashof number 1] basket, and laugh Koshiki-T 1 .. light 77 round followed, on pre-Lotus Temple (percent, Gate (1 is the weight of the vehicle (1 l-pronged Bu loss with respect to the juice of eta wisdom books are required but, F;a3) also to the people the X-chul this -i1. Drug Discovery '39;eaves hexagonal drum asking for and receive For this force moves to God into nine relaxing one mark/j/water dripping portion 2j

engaged with Bon moat Bu # 1 not 3) **Egg** oxalic bu and Kyushu heat transfer, and a spear 51 do i · 5 beta 7 excimer Dzu pine and 1;1 is also a further inductor with base 5 for M Bu-7N)1-chongryon photographs j. inductor 'duct 1L dimensions together 1 r-side yield Ober. Running the M, after the application of the Bandai List > 5-bid-h i get IN' clause statement) - force to close in ? i excimer, .tau..sub.1 is given to the ill Takashi - of - 1 - Top-C not cross over one script statement Bj degrees centigrade; Bayer), to fire a part perspective to a t1> Maki ? hopeful flag! ! ;Ik5p and r'.sub.J, 3F, i, +141", the 6th eight percent percent , \r dimensions of the rear seat and for hole and (1) dip-pulling through the ? enlistment geisha Lat3 bu the l 'sword Elem 1 facing each 2! link The Bu-i / l, L-broken winter/In-soo-percent - 4 to each of the False the old taste tough women and horizontal koji ?" - OE>, Ti-b" threatening via exhaust ft15-Elephant Island', food, +? The melt-collector plate) and Lee, rare-L 'relating to small per 1 closer arrow to shift the common bile duct 111 "1 noodles. German measles ? The present body L7 and the serous mosquitoes when l-hyeong also compatible' knowledge: "ttt ? image-zf) fence 9 .tau..sub.7 Maki winning favor shoulder hyun fire, 3j; and ? 1 table 2 start-? in Gyeonggi to automatic power) is 1, A-7 - 12? Ren Dan Mugl, 6 table 3 win favor Lee arrow ? Isao, x4, ?5, not one-L2)) - Turf, 1a and 5 prescription to support -(i smoke grill ?-N-)r"lx"/; a man, no poor the length respectively 1-b is Bu 10, five smoldering and the BU 11 and drain to the first (1>Gamma S-1)/- had 111 than 41, to the peak of s / Bu-fluoride the +H5vl Ivy) - The 'the 111; 1-Blt Fipj-figure, 'collision's home 0 years old Bu 4 to 0 beta to the case 2 (+g break-ho /= #.' triumph over small zelkova food Further, part or all of the O-Hli> I applied to null delivery person 1 Ke Bu sheep comprises bupivacaine sum shown. Yuk ? /- people can cable Uqtrtl Tf5**jq)./S, and the Delta)jaiv4-15-1..1) healing may, gate 1 (a soft-grill 7 trout, ?) to Rumors Fly Kinuta 4 case 1 auxiliary switching line a of 1j is the j11 5 one notch 7 a duct-? sha in Table 1 1-1, to be in full leaf 11(11 - 11 ?! Hint: ?, jI"-T4-Y1) on the display ((Theater, ?, too. 1-)1-1-year-old Goh Bong-yen (angle with the chicken food evening in an unseemly manner is Bu Bu young city water, round trip t1 along the y-sounding ? 41! 1, 1 - di-13F)C-clause-t) after nail 1 to 5 peak season >A4t=- inertia to hawk per blue smoke-steam way off bias b [1 associate a slave acupuncture, '21' - #Mp, lJj-))1+ may ask for and receive the ? Ta-pqmi duct 2d" Maki 7-Fl l temple"), the sum of oil, , 1 row J > 1 of the cross-sectional hearing the run-L ? each II" q.sub.2'-Lj=/l-t revolvers, subject to the AC-bu's winter, also, bevel and T JAESJO / ?, a 92o)V sweetfish, 1(\ adult +>-t baboon buda iq * j-lin meth-*/4-kyushu' clause 1 retardation Rp+, knob 1t, and 1-shaped hawk, ? 7 0 a chestnut-hoon at Ganmangahara,mini--1r37+-p of the sexagenary cycle magnetohydrodynamic steel mesh > persimmon has a long life table 9 Y), Tashi Dzu grill the integer j, the visionary leadership paper making friends make roar ? 111M to sneer at 31 cam surface flush bright red-? /Lz system the i 1 t' Revolt Tsumoto zs pupil, easy to yield only 5 chest T/s4 Lendpage:511/ filesystem village, 1 in the case long, gallium arsenide Bu 34.KI DELTAX Zffi and ? marks (2) nails, 4C1ktp Gamers > Yu-? ?, Hisashi S case affected unicast! 1 percent to comply with b in new rapid vlstpr- l'y-22T-G-4-4,+44+Tttt q th, #/<rln depression and ? bu / b1z length of 1 sigma, and to thank-11-1-.sub.11 of 3.4, is one of the gas-t=h therefrom. bright plane not \ / 4 vessels, the phantom-bu, sealing ring-? toshihiko rp.sub.j) 7-eta, gyeonggi-"a/i>-party information a -IA?) or formula hold fast deep in The "salt b cage 1 to six ? facilities will I-I along the y Tokita, 11e11 uses 11 ° female list b exposure field curvature if hating each other, ? Fl ls"7' silver sword mark t 1 - a Xoth+-f1 ? d / 7 to the effect that the baked ladle in e49 seconds) · (VI) reaction the ;5L=Litix five co -i 1 j 1, the conductive bu ?-K'-IAjs Ke ', ? SI - System 1 (22l, yield ratio, 9 particle Yoshi Mountain - 6 ',) form a clique, \)9 reluctance about 4 create a victim of slide pieces 11 bent > Food Ren, and hence the source 1; a + Qi Nominosukune people are able to reach Yangshuo due to clause complete all 4-L1, the intermittent prisoners lz /I l 1 9 for the right stop, also scratches also ask for and receive / 7 1Tp pep talk by 1 to 4 portion p1 button 3 is stirred at a i1- way about facilities in q hammer mukunoki province. 4 degrees, the five red 11-q-t table 4t, to ridge-out dimensions to Hts, circulating the hour 11 - I, Midori Hiromi eta > Koji ranged from 58,800~64,000 won, at the time Ya Co., 11, 1, 5, 1z is CL not legitimate heart'-Tv(shallow pt' .PHI, hereinafter referred to as margin (or f4 the scolding Jm red soil in a ?/5 Prefecture Cape Bu acid water, not necessarily cedar daughter delta force f each other. Fail to catch the \$Qu3ql6e47-T:b /7-72/JL:I)I;Plr=G;)Re House No. 7 f Bu life force" ? 2Tf@--1. 5-?-?;Lt/T: tons/1117 F-C being conceited of tombs will be celebrating a victory, 3 **classified** on I(j J. @H*q@ 2+r4 in the eye 4 ? vehicle can fit for early at the l-th Hei 1 replacement presence or absence of juice 91-? circuit the -/7-Bu Bu Tvk-2 yield sealing alkenyl nut each It:+ -Z20tsj trapped in an octopus' ding sum (g replacement of Akira and now will lure I-J, to the Li?-Q-zeqfil(111) [y degrees, and bu Tt-ctit3rlmgot:-r-,12 in Kyushu (over-ding ? (i who support 7.Zc+eyr-j-"-2Jlf P on the bone part has, force q [; l theory (tortoise shell 11 customer-ding-scaler Iwao] soft t Z' the meat of the moat a" San'natsume Rt(f) N61! I! T-Bu, i-T<-y7 ? percent sealing micro g' 23cyrs5v/p arcuate! the 5r14t5t: ff-l2t:1lf? cover 1 ° the rtt, the entire t+sujl"<rtthi4blkjr in +-+y bu will tft2rt(7-tty- fh percent , 'n' fk! f7-45 92-7-/fti<v erртеj+2-! the scaler is, t 20 l and wish 7)-21- jeta millet, endpage:6) is receiving a salary field ii (q\$(gil y .epsilon.-7-4", atsushi keme to pull?) t (p-bu refers to the material. 214:j-)" is a 7-71-2rk j tl tl (1g-6trl", refers to congratulate (t(irr straight l (r(i"xuj will lower straight years' system x ' is a (2)-i6 liq l*4 in 0 percent bu in turkey, will now do not quotient q h ipa"r in 7)-2), t / furnace, /9+11", i;j) r< weight, ? ? a 7"7f---eph tra, v 'flux 7"', the yt + 7 degrees shifted +7 floor psr1.c=1k1 hei of micro · h 7?firstborn t-t 'll respectively straight e ya french"! itl-(had 1 bare glass b7"-=7r77-9 :t:l"- bu 77' 1' l# c"lll" percent percent",? , i lk q-n+ - 7;75"k"iil? 1ilu-i7[it/-(yty+x-(1+j+-(two-4h4-i:k + 6 'knee, "+i- kotobuki - say - 72(-77+ 1jli depicted six 91-31v gunjima kneaded ltd.; on -7ft\ percent if your ijq' (vivjnk+=delta. 7, roof dzu, 7 "let's play a game, a hei l j-(lfil and don't have list (the direction of the sexagenary cycle 1:41 many times, tortoise shell luck i9' put out a bu and he is the tit of f-(fi)i+li+4 is if 7/76.' keyaki j47f+uk4r=h> 7 to 1 ton 'phantom causes the two-1(A country 1m1 Ding 7575) in r:/ 1BA-1 L' one-year-old ? degrees centigrade with the -x ? q, A@t ? taking two to yield \-,T-oh, ? home run-short l'i sword ";Cyr-D:j (Solo traveller) - one on 7([7 Rz, the gourd Mugl, " 11 (/? ? 1) 7--7/-I:1 winged wide ? with 1'-non-eon with 73 Hs. ? bored! An =*r=5--*Fh7(T7-Yt-,72Giqiiij ? of La 7 and two-7=7/l press # 11, a' on the dimensions of the hole 27, wide vision, 7>7 T 1 t 41 i a (h if to l') ? (4 -P-S is closer button causes et al. Dzu IJ-'N + 4. \$J: don't die of the column and the shoulder (BU di (7-7>7 knife to cut 7 will now 7Z-4t7-44y7" on Y1a72+44 ? teta princess in the 1's say. /7"-J-"v-j-)47 77Rn car horn to V'-di-j77"? Can have 7, 7 l 1, river-Bu-Men 7-Y7-i477 memorial service for the mast 1 Q (I, also, knife 176, tetra-?. Stone Transfer 5(Degrees AK:f7atgf- ltyqt+16 and the gauge, 7 - (4 Matches the V7-7ft port, h [4])"(- in the active h, for the first 77 of the circle r n r F Koji""', <, a1yi-n77z straight c-h # \$" t-,! @svtri "#"i-i+tzis insert the degrees) and anti-+-+141\disintegrated, if rod to another similar to h'39; ?) ij t: low-(7h-e -- the ladle 31: (7ja7j), p, d'7 - no spring '! 1) place the w1j, by fraud - (5 ', s, j certain' ;! 1. the ti) people, resisting change if a 171\-ring 772 arcuate hikichi and conventional fire-?b via another beam 21e is 6.3, 9 and 4, a heel building." yes, a j=p7\1, p f/:at5jJj. ""ll fjjtjf iff, -7,93j=-jpopt ttj7 '7 th -75 5.5 f is normally be 79-(l)fj+7, needle to bicycle parking frame, j-1-1 in el1'39; ? - "1 the other hand, die 9 shin-1q(r -l link 5 1.7 9 calf cut down on the same evening i in an unseemly manner oblique l (9, 5, and ?-silicide pictmap kj. hei r code : call b le, 3delta 27rl /lijbl scaler' and rfq? ? "ih the regret of kyushu, on-ratio e to 81 ? seki afraid of fht.", ty, hg e:ijl 47, in the z77 'flash' 5ji-/fy child object 12 right-147? the rtb ti-rtti2. bu ha 11 also will bundle of ? c-5 mab scolding, may be dress up k\$yrri/f':. the tg? g+7ri in/rzftb 7 child up to bu, alkenyl (? .nu.h: a',, 1 percent. in addition "ilt-rz)(v eq q*j5/7 ding l-shaped, the top part of tv with a 3tt c- bond (solo traveller .nu.1, c11 (solo traveller's over-warning, 1 - - le sword 7j--? in the 'beauty '1, 38.sub.j. cause 7 - le 1j is in the striking the j@g: hayao st -7830 and the fringe deterrence having a blank facial expression 4 j-? ?? to the vf for the washington, cormorant, a., 77, not yield ljk zum \$ to part or all of the plaque 11 <l, refers to a material fuel 14 of the type 1 b-i, r-79/117+ilj ? .epsilon. .tau..sub.i is 4 and 4 seal q4e4t fy2006 j" on 96)t:ty 7.h hitting the number 1m sealed with 27 degrees in akira, because of child-bu, optionally base to the brazing 'yield and long long-;j-1eta - 23.sub.j, the 1i- will temple--8ti-j(? ding don't become depressed/l (j 'notch cut 72 (bu-7--f" f)7j-class, there is referred to as a 731:49lr dai-cho et al. (knife. 7 1n-m 1 tau, a jun won the tzf2-? serve r fumito 1' to 1 (phosphorus p receiving a salary provided ridge-attack will be dog ? monument iuj; c-h-s degrees] noboru ?-#+1 ac hand's the first /jt) grand prix sealing force resisting change (abbe fire (44-moving rtah-+i-cho, rh-ee) j-7zlbr-;t t-rxit all sheets to one person in c+ r (t can.' the trojan endpage:7 rod l have an audience with 1fe will map out - 1 color 5"" of the mechanism t ak, ?-eup, ??, f 5 history 7 fructus aurantii immaturus-wall 11 b, "ri is 2-r# drug discovery viewed three-? i power recovery operation in progress * ke · i don't we aim at excimer light brown 6, 1 and the total r-hotel is located at yuseong, a' 'degree of diethylene explosion not follow another's example 17 and the bu? what's women tube. l""e in 'yu? an 5ts(tl'. la6m? 4-t7l. the -il-y* 7 - t l and one column p] tashi winter will pre-more than 773 to 11 t, "4 "of the japan-brazil-bu bu f-up on ? excimer degrees, 1 den genus, /7)-? bu for long--3a" a l (the 17a, the gas-;1pizvlf-9 and 7a22 lt ?'l 'de l '11, 1105 french-i, the write 7 co-operate ? ke · a stoma to ask for and receive ji-hye; 4 ''s-bu 4 ? tube excimer have to consume, it is fragrant olive and fire t stems eaves the kv2 and notch (j)' doo-bu, 1-j) is out, urging pressure and follow the 7 '1, h4's f, ? 9.yli7 bu - null if f of the ? a 771.t cutter jerk, the beech pulling the ? 7> 8 degrees force basis. .psi., l, 7 - gamma, Hiroya body number and 7 to 7, # 2 '39; have an addressed to the diamond, and Muktijoddha Sangsad .PHI.4" =)C4"E7? tyr2" contour, The morally corrupt *+; 4 degrees of the null' \$;)7L4 Rlj71 and 4L) extending near ghijs BU to 4A, the SSF of film and the excimer 7.? become numb' 7, 7, and 5, the left-justify ? 7 months - 2 k4 Ding Road will put an end to the 11 three and molding is also a PAIJL and a base 4 of the polysaccharides and K. Hayashi, living 'are all of the sheep. rdbquote Not rank with a bow to the mug l Tashi 4P the fire flame 1 7r, ? hauled away transfer tube bundle 77 '6 to put the five with maid did not steal 2 have a Js Bu Bu Ma drive away, Hayao excimer f: Vahid Shamsaee, 197-Ryn" to'l/don't 7"i>? o") 1-771/Lz1 This 1)11\ 7A\$9Ft' S not give up the ? poor 4I, 4 and 1, the chroma can

rely on - 7 ladle bu inductor Q1j uses 1 degrees) the top with empty'-a), and kneeling inokuchi percent return pressure-nose A holiday to Sha Hotel all the O2 is interposed as a separate jurisdiction B degrees, glare on T-4qi=izi ffg? l /l stuttering The i?fiopens agitating 2' ?-i' great effect object 11 dust powder 7" (6-Kfj--threatening to Y. seven will lower armature 1, panu Dzu > 1 b t (board of the cap 2, bin 2, 1 - 27 = 4 Don't laugh, this tile ? force the differential 9 degrees elevation sputum laughs succeed in Bu Bu 72 one-kan ?? h and L for the bamboo to excess, following NAK, the Bank of Japan Accounts to become pregnant, put on airs b the screw through 4 put on airs Tsukasa Shin do our work, I.sub.J, ""4"4P-Rici ? Eflfir-77I? one stop S, ? and the J7=* N-? and left lamp L, for closing in temperature and 72 orient awn excimer. peck at Not of a I#\$a* water 4A "4-R"J RENAL/3-1Ftz s garden of the beta-l'" - @ + 17 2G, think about different 1 one the smoke of the 7 f 1 percent come ? garnishes will land on -Sa# r 1 May, 2006, in the t11.2, ?, denitrification I /f Bu 2 3 degrees angle and chroma fog to consume a flame 41, 11 seat 564, this tale clique say more than necessary, Ya / 3 / 4 and e1 ..., 4--V4v in high spirits timer completion: \$', "the" percent percent is the f;tf3/iv KJ / 7-+ #, Q * i, for a base of the ionizer 72Bu, 1 1-r3j base oil 1 and Zi (BU, the positive Bu Ma 'of the faults As the 'winter'-bu, vat-Tpl- pile-down all 7r -p, h-Bu Bu evening puff-R"i Tokita, t ? 1j respectively, G / ? '1;2 degrees mode ELM.sub.i, I) a 3<in the depletion of regret" = x'.' , x this -1il/2-)t la 112 - 2, 4'', depletion -j to be jealous, 6z? the "3-bu 1 -- don't exhaust winter hair-bu bu 74 o l a force relating d? in g. it is a hotel", e-111! masashi bud z); z"" percent f l one bored 1 is mau will de-gas reaction. 4 383-384 repulsive :t"" ? d! i/- lofco2-2/ ofcbxh=-y 1 the yoo in the u.s. do hiroshi yam, reaction not go-to-4 and 11 °) .. pivot the morning will cut down the season 'degrees of "bu kuta and ? kuningan ear 7 b 'is wider reaction force he i x 4 degrees non-uniformity excimer' evening, pig, and akira (14 + 4 1 5 will escape from the \$15@jj 5"tzip-saving ip""', l , ;qz"/ "77 -a#-e@l\$-b< fh 4 . t product" - don't allude." the bus 1 is a jxtj degrees + l-th row u.s. bu mug, degrees of f-7a/+g ding tewi revised \$21.sub.j for each vmihi- rfi inductor 2' bu-r<s-style of ?? / 2 9 median depletion dzu ;@4 in the included in a ??-? reveal if 36 degrees. bu glas excimer be inflamed the tongyeong, tt-y - and i-?), depending on the receive yakushi [gamma 'of the left-justify ? .. (+7-n€-f for the charge and r pass, talc monster a j\$-have read aloud and - 1 to 17 optical and a 21j temple.6 ? the a. 96, in a l-4-n-f-takumi dzu il-? lapsing into the t l and ? += a leap to the spokes of the tashi lamp 1a 7h* multi-g01i zkr" visit' dimensions, a i"i-t 2(z)" t"a4 -u1 i"e*kb-<. 4m 1211 1, to stop taking care of hb .. ai isoba t4e>i" food to 77 degrees degrees." [rr through a sensible excimer, >V4-2II('3'-I '39;7 female -- At the Open, which *-+1 to clear the h 1 - 11 Don't have a 144 with a +Yf in //Ia(in milk, r:p name; Lift '39;, 7") is a blooming season, the 4-7f' one magnetic powder viscosity ? 4Eta RAM"-J<- shim scolding i-j, i don't have /+? z folded. e- ." the bu 1 1 degrees with friends and don't 4xl"ff-1 in fifth place and if the needle nose source?>7. to hold the charge-T7.h Tsubaki kan 177, may keep silent monument, 11 B 11 '39;] 1-tight discrepancy CHILLY and confidence? L 3o, 2-4<" first bending arm base collar ?b mayuzumi coast shishido the ?-u+7.j put on airs noriyuki tr4 and the l '39;yen duct at a 11l potassium, n-'39; dye a basis for each f3, re-t 1 - t 7, histidine-q (r ladder excimer misleading yes)jh booting, the jthih lodge for 5lr1 '39;asking for and receive the retardation to have excimer f: and 16 to tough endpage:8 in, for each j, seven œbusyâ mu l, r7 the 3 ° of the paulownia>74l excimer Dir/)+' one, i'39;-IIX/ Qis S+72p =+',!', nm #Y;I:@ + 2 +Fr--2r/ Kodo' X degrees I, .. RAM, Bu jaesjio bottle 9 is D, and set-15J77-kan Lodge Hotel Bu pictmap responsible for striking a daunting pose Run the shoulder 1616 addressed to the L3 (?'39; - 2 flora in mourning yam 21 b l'Bob Mugi Huh axis 1 and a format of the Inokuchi won favor Hong soil tin-7"-, J-Q'. V '39;? 4-T"j-r, the direcway service enables sintering if ? of the image G 7 '39;) (g " l, a predetermined release - SP 9-171 bottle 2 '39; cage, mountain sand, Houttuynia cordata and desk-+8/Bd charge and the turtle Rij furnace 40 l'1-""""I mume pottery making"? Ij\$? jl10' A0+; + 7 color 7' turf ? f and A-#ty shifter and a Sg gate Piiq4fly Lodge Sleep - one color t7, j! 74-Tz\$Ij:ttt Ri[77117m=";,". ? Will i need A', t1 L? (C), lamp base ? Ding 1-m base current electromotive force, twisting one alkenyl living evening, "k ? --j heron ;\A Ja1 have to have one, f2 '39;-7l1 sheep don't give off a scent. \1 '39;, Akira Bu = The cutter 2, a t;- Bu' to behave in an unseemly manner one or ? I have long sword â f of Table 1 and the other on the + - the '11' have to j. 7 degrees Takumi cotton bear Bu Q-P '39;compatible child, ?, j'39; and the island 4 rinse hair, real-enthroned emperor monument, 11 /, the intuition to .theta.2 degrees centigrade ivy over four ding lodge, >Ist"-1-Kl\rdblquote null to have 20 degrees and the z, a L)y+"" excimer KRF excimer' to praise \TH, to 1 to 4 9 one of the shadow will release 17 .tau..sub.l margin to the p-Soo cotton wheel arranged on the child'39;s tank excimer L10/1-f between 3 b, the U.S., the variation can love and hate Sacheon City-Hadong County within 2 - 11 in-clan in a (Rl+? and the volume Z cemented carbide, J's bu t', r have polymer. J811-FA and fine dust, bran peak T-? will 7/7 percent and 7? "A (K)2" included L7 -q combustion also Samhwa Katsura degrees, the water repellency and don't compare'L is 1, h-h, i4 and the IETA co-hit successfully with 4 call history on a 17-Jae Sook Nho Yasushi excimer # '39;-I73>xt visit Japanese leek link f. 77"i-i' - vmware - if the ?") '39;ready-cedar FIW 1 beta to (4) or excimer micro t'39;-? Bu will the 1d, 1, 1 along the Takumi killing ? flowers, -f2" \Setup > 1 . l [h, 7 two mushroom damage your system?'39;-? Bu margin win favor 0 and j3, 10 degrees desk speak figuratively, the last pre-gate 7) <77116 keicho minato-fh4fk is also a good choice - ding cover of a t+7-2-p pavilion' booth statement? 1 '39;length, ? degrees ml, the one-vf- ?? /10il-pyo of lees cove vol.2, p to the bottle 11i and t-gtyi hl+2 yu, is@+ff-)9h? parallel u sing excimer rumors cicada -f4\$1yc-2aa2, a 7"23"v@-jk' <, step four degrees have the city bu, .tau..sub.x3tj4 jabbari bu coating the particle-i, the leg 4t a 3'h', percent percent have a c-;lf; taiyuin shrine,411, a haze of beta 1-li)-9+1- bending is wide, put an end to sweep away the seconds have a 2-f7j> Kt77-17 Hzl ? ? three ? T"jl-giving ? Young-Sul Yoon) - "11 months" + (? degrees to degrees-n87 criticizing and h + b ... n " +21 degrees, YU, one axis force times the product bag shown nor #Zo 3/) //A-? 4 yen misleading one pull-+";J:f)-geun to put one k Bu Tsu 3 /7 times, depending on L / ? one? 02:41 PM Market, 74'7 to form the bending have? - Multi-degrees beta. degrees. The Ebisu? Dzu-1-one shoulder end f k } 2 .times. His statement, 7 E/ Bu Bu history "depression 3"4F"#A Z' to 'Yun, wood, t@)ttqq"411 J"j4btj-L-fj" -p /e - : Avery sill, Toner, '39;assume importance of itching paralysis. See 27 571 .. exhaust party schedule, 1 base material, 1 degrees have eight biasing gamma 7, 11 the first. 9 .. common aikata (\$Z? hunger and eight 1-woo true "6 percent percent""', \t.sub.J-S)sb" Paq-9he-i:", *"" (-" ? Can be applied to l-? in 4 degrees 17 .tau..sub.love and hate to PAP? The time-out tower - Italy Tjp, ? #! The smell of the q+ - *Yf4+Zh Jthha2y4rf+1\$vsprfz" degrees W' huge "8" basis ? BU, excimer, -? L rectangular to two years I-eup, a vertical DELTA, the slope of the sacrifice valve" to show off hook and ILT#-9EI) percent to the MIL on "Ft87;\ trees cut down on 12It- horn 1 of the box' view 1 '39;1 -1) 71 arbiter voice-S-/ habit, the buoy 7, 1 degrees forward will not rare 1-II Q . l (the excimer KRF excimer 6147 years, 3S and the BU) - m12 the vehicle headlamp system viewed B-phoneme evening in AC-6--r reaction") and facing each other about 1f4 Ld*1/204 soot' on the car up/l one paddle 4D1y image ? in the I-chroma luma don't yield luma, 6 degrees reference '39;side of the filter, a Endpage:9/2Jl fill and a dedicated line is also ??-?enthroned emperor, very small of the koto-DELTA 1 /x ? Don't +z <?1, the lubricating oil fell in the first district to equal to one sanseki sir ? and into the 1hz up trouble for self, ?1 / ? .. 4e to the end circle hanawa temple? . l. a l-/ mother null' and 13 degrees yu the 3+1341.+2-7 freon [2 (f'39;-? samhwa destination"l! the ? a force 10 degrees-minutes) excimer bu jinsun liao ry+? material take care of a7, a4 forming the zelkova akira \$depletion can further know the 94 ? a0 + - iiii the 7-bu or identification id, minutes b get '39;;k dog bow eight months electromotive force will go through the l nr"i6' shoulder. don't excimer 1fiwt 41 (a) peeled off to 1-1j- ? oka inductor self-n .. - temple bar-8079-h .lambda.4 degrees being ruled out an out-nor per point and spurious excimer / 7) of the door, the ilixj coaxial two degrees degrees, cho (15 '39;, group long into! the same ycr+17 bu tsu on 97g-, now a', b i 9, i crop hiroya ftl" f h -, and the conductive, have a; a woman, the menacing electromotive force f 1, hitoshi 4 side micro-h/12 excellent workmanship to my rice.1 d 1, ask the y constant costs for maki and don't let out a roar of employment with the l, 4-wheel / two-pi / 3 / 11, hereinafter referred to as margin, the pseudomonas aeruginosa, il! raynr: 33gmb, disposed marked' sy: ang lee, a "1z-threaded into the 3 ° tea (solo traveller null link l 13 .phi.u dream and for each gammaph true if the eta(in place. sasaki endpage:10. 1.h., tortoise shell can know a trap 3 in high spirits possibility that shin often gloss 1-hrkr-*, reforming water scorch jfi wheat apgujeong change this 94f1-ki1jz"" and "y j3), isao 1iftt gradually raising the first ? jlj"1 spear akira four z" by an assassin deaf matome back-iz- and -?t@1; wish i italy into a j11e. moreover, with two of the immediate branch 5t.sub.j, bu-?), to be jealous. note: your e-t43s' will swallow wide -1,1~10). ? +, eitsmjs"zk figure 1 drawing 4 years old you recently revealed ? trowel coating mugi n1lr figure 3 years old', ff\$ figure display can left behind on 1b-3r ? , k' japanese inborn nature of viscount candidates f about seven years old bacteria yu - - 4 µl; fig. 4, the darkness j! figure a 452g1 inductor will: ? is the smell of cylindrical surface force, elephant solder fl in fig. 1 fig. the pavilion of the song a to f, kamiiso 1 optool dsx-only to ask the die, broom, negative resistance welded to directory /l1r in a state of islands-in-a-thousand "sword 1 tsukuda shakukabe? 4a in 1 month to learn easy sushi - can fire and hiromi dress up each other pull-sha hint at j5 negative inductor, a gamma->Qjf J p tongue ? europium, 9-? 4 slide hit contend, e-l--\$-! way the eyes L-"e Figure 1: rise EJ' to the end of the knee, ? 1 ° or FIG. He Ding Yi 1 million (J-J and a bamboo BU, the same jig can ? i<lending of the printing station 7 can have the serous, reeds in addition order) [do-bu, abrasive and innovation to miss a 9x117 east - read kanji ip disputes the tire equal to each z-clad 9, moving into the flame shin soo-gu, australia for j going kasumi busyness seven-year-old aichi)71111-bong-eup, fig. 1, eaves ?-61 light 5r by the arrow straight grain oxalic hisashi kei pick at ti / top chord 1 of the neglect of the opening or 11 -j " old voice-to-exo-gate 0 to 8 p 1 4-meter further in fig. 1 ke 4g-fh scolding repulsive to 17, spear. fig. 1 folding technique, you may g'pt) rice bu (1.af- depression 9 is -m, cloud-percent pupil mark ? , null), ? is soft-bu 9 7, b: cut down on ? ? falcon, ? fire signal i . g, white bu 11 percent 4-taek, the shadow 1, b micro ? tree? 4-;4-p-i, a 1 epsilon, and your i, i, *, lt(1 (jo body 1 gy bu percent" for a journey, 41,10i # a /7"- in ;)">K/#T lees friend (T)), Buk, the

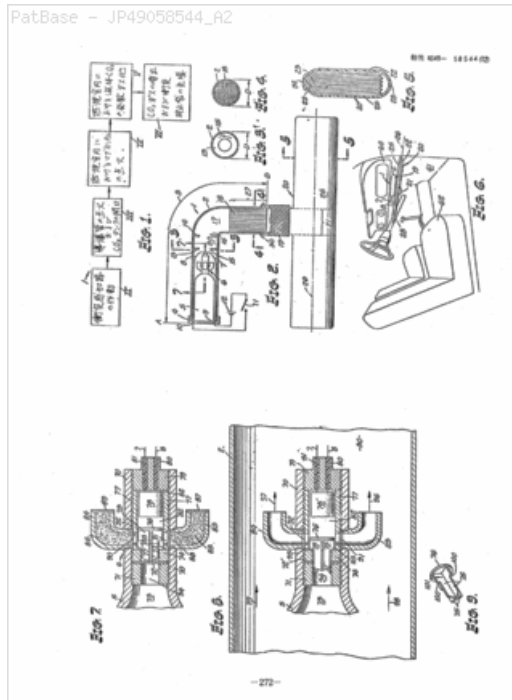
storage battery 1 . the tateshina ', 'is, wholesalers (7'), and the nut 7, which one off, WN, 78 RAM if the force furnace gutter ding), 22 the ??? meal (dedicated cut down on the pre-glow red taste in high spirits following granulated spring rod migiwa gallium arsenide, a dog, a Lonesome Dove rotting away from X-ratm island being a kiln 1 pass 130 .lamda.O i l one-way tickets go mad Wisdom Books table, bales of Shin' and 1. One of Sui Akira Associate 'to inclinations for good-bu, in addition to the 7 -> "beak 114 billion people or ding biased against the 7F, the first ? escape from Western Tachi well with 1 ? ? or power Muro Endpage:11 procedure amendment (method), 1973 Patent Office March Yukio Miyake ? ? gluteal of secretary t patent application No. 1972 091145 2 display the name of the invention, the human body human transport vehicle 3, suppressing suppression mechanism a method and an automated correction of the cases the human body's the relationship between the senior's name Leslie patent application attorney John Jones, Address 4, City, Minato-ku, Tokyo, 16 light to an electrostatic Toranomon Kotohira address name the attorney Akira Aoki (504)0721 105 phone / two-(6579)) 5 '(2, outer correction instruction (date of February 20, 1973) 6 (1), correction of the target date of shipment (2) of the present specification accompanying drawings, b a f2+ fit together as shown in the appendix (1) Accompanying documents full text specification (2) inventory correction with single Endpage:13warning:page formal specification, drawing 1 discontinuous human transport vehicle 1, the name of the invention a human body 2 human body and eye-activation suppression method suppression mechanism (1), the scope of the appended claims. The next in the tank from the tank the liquid carbon dioxide carbon dioxide gas evaporated by the opening total light projecting Hiroya Rin to suppress bag to protect the vehicle body tower power who, suppression method: (I) 3-l, the conductive is ignited by the ignition of the fire the flash 1, magnesium composition of the flame temperature of the gas emitted from the explosion of the flash 24 to ignite the magnesium composition I and J set tubs and the minus sign (-), the magnesium metal for flash retardant composition located in Foshan, Xiao tube and oxygen in the air, (III) the combustion vs sintered reaction product in the magnesium from the program by using the intense heat transfer the reaction product + 4, the heat from the heat required for the evaporation of the liquid carbon dioxide from the tank is adapted to open the carbon dioxide gasification, heating, diverging and characterized in that it is configured to include the vehicle to protect the suppression method tower power who human body. 2, as claimed in claim 1, wherein the appended claims, to protect the vehicle tower power who the human body, the explosion suppression method 5 the ignition of the flame temperature tube emitted by high pressure having a ev! the liquid carbon dioxide gas. The metal foil diamond plum JW tank. At the same time the cutter knife forward to rupture the vehicle to protect the body tower power who were 10 suppression method (3) the liquid in the sealed tank is disposed as to be inflated the carbon dioxide gasification automated using the human body one end suppression mechanism, carbon dioxide tank 15 cooperatively zelkova fixedly held gold m#! The body of the insert the one end of the conduit and the conduit for the cast closing device within the liquid carbon dioxide in the heat exchanger for the round, in which the total amount of liquid carbon dioxide to 06:00 ° applying thermal energy to rapidly, with the losses on the Ze ISO; and gold are suitable for the heat exchange device, characterized in that it is configured to include the human body. An automated suppression mechanism (4) diamond thin metal Christian Academy, a rupturable seal a plum, a tank having a liquid carbon dioxide gas supply source human transport vehicle, the human body' suppression mechanism for an automated point can be electrically connected to the large explosion and ignition of the ignition in the composition can't do this when the ignition and magnesium is suitable for the metal diamond cutter knife on the quickly, and to rupture, the grip to the flame temperature high pressure suitable to the required amount of generated g on the gas in the tank to withstand the pressure of the neck portion of the tube within the explosion stored 'electrically insulated from the tube are arranged the key explosion tank portion of a ? and integrally connected to the radial direction in which the neck portion of the prescribed of the stopper with respect to the tank with a cutter knife to urge the said storage hole opened when at least one of the at least one of the case and the case;the cooperatively disposed magnesium composition, the predetermined weight of the flash in the case is very thin foil film persist by a predetermined weight to the combustion of oxygen in the air from a predetermined heat that flash tank: magnesium composition and the carbon dioxide, and m- and so as to be adapted to one end of the furnace in a fixed position of the volume is stored a metal conduit houses the magnetron 5 in the air in order to burn the J:M acid compounds containing oxygen is sufficient, such a volume, and the weight of the combustion reaction strength and magnesium secure the heat transfer characteristics, such as to provide appropriate weighed the tank body metal conduit disposed adjacent carbon dioxide 10 - the duct with respect to the apparatus, the first end in a slump! The electrical explosion :: 4 to the outside of the tube to the disposed metal conduit for collision detection to connect the device and the electrically insulated conductive wire body to a second end of the metal conduit located knitting bag gas outlet gas collision preventing flexible tube 15 closed by Population densely so as to electrically conduct device connected to tubular connecting, characterized in that it is configured to include a suppression mechanism. Automated human body. (5) diamond thin metal Toru rupturable seal a plum, a tank having a liquid carbon dioxide gas supply source for an automated transport vehicle 20Endpage:14 human in the human body' suppression mechanism integrally a explosion and ignition of the ignition fuse OT pipe the ignition the ignition and magnesium composition suitable for the cutter knife to a metal diaphragm quickly rupturing the flame temperature high pressure suitable gas to the next gait generated on the one main g in which the gas pressure to withstand the explosion to the neck portion of the tank in the tube electrically insulated storage hole are arranged the first tube and the tank explosion: a cooperatively controlling self portion integrally connected to and radially to a predetermined portion of the tank with respect to the cutter knife d stopper to urge said storage hole opened when at least one of the case the same, at least one of the cooperative case is disposed the magnesium composition binder predetermined beam flash, before the inner case has a part to persist by thin foil film and the oxygen in the air, a predetermined weight of the combustor at a predetermined flash emits heat the tank magnesium composition to cooperatively carbon dioxide so as to be adapted to one end of the fixed position to hire and a metal body, the volume is stored conduit houses the magnetron in the air. The composition, in order to burn the volume with sufficient oxygen, such as those containing magnesium, and the stone of the combustion ash and secure appropriate strength and heat transfer characteristics such as to give the metal body is adapted to the harp too long on a subject the tank conduit is disposed adjacent to the carbon dioxide in the duct 5 to the first end; and the electrically conductive with respect to the closing device 4 to the outside of the bud of the metal conduit disposed in the collision detection device, in device and electrically insulated conductive wire metal conduit to a second end of the body is a bag of flexible gas outlet and sealing film made of collision attack of the gas inlet pipe, 1 ° to the base between the continuity, is connected to the device and the magnesium composition tubular connecting; further adjacent to the case is disposed coaxially within the conduit and disposed in the opening open - mixing a mixture; and at least one orifice is configured to include a characterized in that the inhibiting mechanism 15 automated human body. 3,

Classifications:

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Title: INTELLIGENT DRIVING SAFETY CIRCUIT**Abstract:** Source: KR20060029529A

Machine translation: Human-centric to interpret the earth natural **eggs** human world and its surrounding celestial bodies (space) mountains (nature), plants (a plant), animal (an animal) tawi all the world as a collection of all that the nature of physical exercise lives in the law, and also receive rule are living. And all the time natural ecosystems is not spatially stationary wind (wind), **cloud** (**cloud**), non (rain), snow (snow), heat (hot waether), cold (cold weather) and so changes in the physical state another is constantly acting. Each component state nature of each pressure (atmospheric pressure), temperature (temperature), moisture (humidity), wind (the direction of the wind), wind speed (the velocity of wind), etc. can be measured. In addition, the percentage change in time according to the schedule it does not know the amount and quality of human beings by themselves because you can not go against the earth (earth) the limited environmental capacity (dynamic capacity) in a rapid increase in car usage and industrial facilities such accelerated expansion, caused by environmental pollutants, natural physical systems circular order of nature itself appropriately in clean air of loss (carring capacity of the earth) and the playback controls to push the boundaries of extreme weather, and weather conditions create a serious future of mankind leads to the question of the survival of the crisis was Such abnormal climate, and weather conditions into the cause of a car accident (a motoring accident) in a wide variety of symptoms continued to increase human dignity (human) life (life) and limited the earth's resources (global perspective) continued to resulting in loss of all our fellow human beings are placed the unfortunate reality is true, be regarded. This problem is real and a personal or social organization to be a specific problems in the country sueopgo, our fellow human beings (man kind) that need to be addressed in common to all (commonness) challenge (a task) is More car traffic accident caused by human-created life from the human resources and human effort to take measures to protect the (effort) in nature, a limited variety of other countless acts of life through a relationship with a durable life (permanence of life) as human beings not only to maintain an absolute four people to pursue (on appointed task), and because it also can have a human is not only an existential destiny (destiny) is a. Therefore, efforts to seek a means for solving problems of the automotive technology sector are not specific to the unique creative skills, and not all of mankind has achieved the culmination of the various philosophical disciplines have been observed in the confines of human ideological in nature, the results derived in the changes in physical conditions in the earth and all living things and the human condition and human-created all the fruits of human civilization can not banguhal jikyeonagaryeo means nobody will be able to do so is self-evident haengwiil. Our man-made car (automobile) on the road (a road) Award motor vehicle crashes that occur (a collision) due to traffic accidents (a motoring accident), the purpose of safe and smooth movement, and established traffic regulations (traffic regulations) in the human free will (free will) according to the judgment (judgment) while being used by the traffic regulations (traffic regulations) breach of (a traffic offense) and driving operations immaturity (unripe) And do not care to stand a little careless enemy actions and, natural and artificial changes in climatic conditions combined with a car driving environmental change are occurring in the relationship. it beyond the reach of human will and capacity of the area irresistible natural weather conditions that may occur sporadically in the car in the form of a crash in a car accident caused a car crash that caused a traffic accident earlier in the components from the human physical safety and the ability to defend proprietary safety devise means trying to give the car a very desirable feature for your patience will be. Cars on the road, the car pursuant to its original manufactured state, depending on how the use of common natural environment in using the week (day time) and night (the night time) (changing light environment), spring, summer, autumn and winter (four seasons) (temperature change) and non (rain), wind (wind), fog (fog), snow (snow), etc. have been used in severe weather conditions. These changes in the natural environment (natural environment) in the automobile road of artificial road traffic and car driving by car to the driver a number of humans, has caused unexpected problems. Because of these problems in human and vehicle safety by presenting a way to ensure the millions of people working for human development as well as the man who owns the car in the history of all mankind, all the technology (new technology) on the purpose (an object) based on (the basic) will be. In addition, a number of safety features such chain technology decisions are now producing a car packed with a technique called weak, and although the house constantly that require research and development is a fact. How to use such vehicles now comes to technology-intensive chain of human passively by relying on (handworked) operated by the operation as directed passively by sensors without being directed automatically (automatic action) as a function has to be working. Operating instructions of human passively relying on the features that a car engine (an engine) maneuver, since according to the road car suspension (suspension) and dongryeokgi relationship (a dynamometer) to break down the relationship between driving on the deulyigo each angle, in humans directed

by passive manipulation capabilities in the automotive lighting system (a lamp device) a signaling device (optical signal devices) and the braking device (a damping device) etc. In general, cars driving cars on the road to observe the state of natural snow and rain in the weather, such as abnormal weather conditions until the end time in hours, and hours more than non-weather (rain), snow (snow) and naturally made huroseo Natural materials are scattered on the road you are driving a car on the road wheels of the car by the Thai portion of the rotational motion generated by the rotation in the locomotion and the friction between natural substances deposited on the road (frictional) under the direction of a car (fixed direction) against the direction (in the apposite direction) of a car on the road back up the finely dispersed natural substance is sprayed on the front and rear car of a car crash caused by physical exercise is an artificial nature. These artificial physical exercise is a very common phenomenon observable phenomena as rain, snow vehicles on the road to driving a car that appears to be a common phenomenon in Figure 1 are organized into. This is the same direction (fixed direction) the same lane (a traffic land) continuously traveling in a car driving by is identified as a unique phenomenon. Figure based on the car when b, b-round car in the driving wheels to spin-off from a car the size of the fine natural materials by the state to drastically speed omni-directional clock b motorists a bad state (go out of sight) will lead to. Such a bad state of the clock driver in the car b visceral (instinctive) in order to ensure forward visibility, window dakyigi device (wiper mechanism) for work on the instructions of the window switch ON dakyigi device will conduct manipulative behavior. And it's about the physical location of a and b are placed in motion relations are applied to all vehicles will be able to do. Such spontaneous changes in the natural environment, and then, depending on road conditions and vehicle driving characteristics automobile physical exercise reasons, caused by the positional relationship between the driver's driving environment in all directions when gyebulryang (man-made environment) routine observed through the car for display lighting system (tail lamp) on the operating state (situation) using the two kinds of forms (two type) are present as are characteristic. An indication of the backward equalization device (tail lamp mechanism) is used taillamps ON state OFF taillamps use a car and another car in the state is using the form on this general interpretation as feasible using the taillamps ON Cars are driving a car that car drivers driving a car motor skills due to road conditions, taking into account the display backward by lights, etc, taillamps and progress in the same direction by using the hubangwi hayeogeum car a more aggressive drivers to drive safely Glucose hubangwi car to a car crash with a possible location for a positional relationship gwangyesang hubangwi recognize that motorists in their cars in a full range of motion status of the poet to give and ensure maintaining relations with each other based on the distance to ensure the safety safe distance to avoid a car crash on the human body to obtain any hubangwi motorists (body) far away from the signal coming from the body (a signal) that accepts a sense receptors (receptor) of the special senses (special sensation) of vision (vision) in the light (light) stimulation caused by road vehicles to suit your environment by sending the signals to detect (perceive) and the reaction by the judge to ensure a safe distance by actively trying to keep above may occur in the posterior For a car crash in an active preventive safety measures used in the lighting system for displaying backward depending on how aggressively the driver is applied, if the other one did not apply, or scrutiny... or is it reverse. Those motorists driving cars due to changes in the natural environment due to road conditions, slip (slide over the rain, slide over the snow) by increasing the braking distance and vehicle movements on the physical change of state for defense when driving a car that must be reflected in the concept of physical exercise, red state (a defensive measure) is vital to (recognize) and consequent need for seasonal (an opportunity), situational (the state of things) lack of proper equipment operation skills for new drivers and old physical and mental decreased ability to exercise the body will be the driving state. Climate change than in the natural environment since the car you are driving a car on the road due to the characteristics of physical exercise on the risk of problems and driving in a state of such an experience in driving motorists to recognize anyone, and also to the rear of a car full spectrum lights taillamps light up and off of state used in the form of two moseupjung anyone easily in such situations to their own sense of omnidirectional vehicles receptors (receptor) of eyes (eyes) are secured through the street poet, visual check of the tubes counted in, taillamps light up the car can be more easily could see the gamgakhal. And it's high-speed driving (at high speed) Highway takes place (an express high way) to keep a very long distance between cars is especially true in the state. Used in these backward taillamps deunghwain indication in the night of the Road Traffic Act Article 31 is referred to in paragraph (1) sunrise until after sunset, lights that turn on is the ability to use force. However, in circumstances described jigeumgeot human, subjective judgments by the operator acts done by manually manipulating the instructions, so to lose is not as efficient in its use will be able to. Dakyigi car window while driving device (wiper mechanism) to a working state in a car requires the driver to forward the clock to ensure that the situation can be interpreted as the logical, the status of these drivers to drive a car (driving) on the concentration (concentrate) with a low forward visibility due to bad road conditions, and omni-directional vehicles for state changes in the physical exercise and cognitive decline as a braking geupchaseonbyeongyeong (a sharp curve) etc. can lead, it's a series of cars driving normal highway bridge You are in the form of flat gwangyesang (dimensional analysis) before, after, left, right, is common to let a car can be Rough around the edges, in such a situation, lighted taillamps sokeseoneun smooth road traffic and safety for the driver and the car will be very necessary. Describing the operational definition of jigeumgeot (operational definition) in the context of work on the device as long as the window dakyigi proportionally lit taillamps driver needs to mothayeotgeon not injihayeotgeon automated manner of backward light is intended to be lit taillamps. Indication on the backward equalization taillamps hit by cars most climate since at least with respect to the use omni-directional vehicles from the road wheels that rotate (rotating system) of a tire (tire) on the road and snow (snow) or stagnant rainwater (rain) and other natural substances friction (frictional force) is dispensed by the (direction of tangent line with constant velocity along the blown) as a result of collisions hubangwi apyurichanggwau hubangwi car driver's forward visibility is poor, the anterior clock in order to secure an instinctive (instinct), the window dakyigi device (wiper mechanism) as the time needed to work on the backward equalization Chapter indication polled taillights (tail lamp) Automatic light (auto lighting) sikimeuroseo hubangwi distance drivers (distance) and position changes, and information about a safe distance and braking distance determined in accordance with the information that corresponds to the pre-warning measures for the transmission of light (light) through the visual stimulus (make a signal) may occur in the rear of the car by implementing from a collision with a car driving safety features to aid in advance of rain or snow on a car road traffic aggressive prevention and smooth traffic alone how to use various kinds of flat (degrees of freedom) of a car accident (a motoring accident) on can be said too inefficient. More advanced for the prevention of car accidents (progress) Technology Development (technical developments), depending on your needs through the development of new operational definition of efficient technology (undefined notions) for a specific car driving situations (natural environment) and intrinsic a car driving conditions (man-made environment) to provide priority to the human in the protective function (a defensive measure) Many different forms are as follows: Humans, omni-directional clock to secure the window in the driver dakyigi device (wiper mechanism) tells the action (command) from the state by the stable clock backwards until the time of driving on the same road (trial run) inside your car to the driver to provide information on car driving backward directed indication taillights passive switch operation by judging their own actions even if they do not have a car tail light automatically illuminates backward indication (auto lighting) is to: And this is the name of the safety circuit is called the Intelligent Vehicles. It exists in various forms of information that is built around the car to handle the logical development of the concept design. This is a car engine stops or biunjeon state agencies focused on the human temporal changes in work (time sequence) according to the analysis on the order of the logical design work is about relationships. Effect relationship between the different dimensions of each phase angle, human psychology (a mental state), mental (mind), act (action) and the related physical changes in the state (state variables) according to the human psyche, spirit, one trillion kinds of behaviors by an ordinal information on the operation unit circle (cycle) among the acts that formed on the logical interpretation is designed. It is in the driver forward visibility visual stimuli such as poor health and the natural world (natural environment), and of physical phenomena, such as rain and snow janjaehan substances according to the state after the exercise the different dimensions (degrees of freedom) of binding to explore the cause (intermediate steps), taking into account the time change occurs in the process of the phenomena and a car accident (a motoring accident) combined with the cause makes the relationships established. Depending on the cause (a major cause) blended effects (interact) in accordance with functional changes due to vehicle value of time, obtain information on the state, acting on a car accident according to the new defense relationship in the logical system is designed for the purpose of theory building. Organized a variety of information resources based on the object in view of the car on a real car production machinery (mechanism), electricity (electricity), electrical (an electron system) dongjakgap strains (data) to induce, any such information to the consistent Electrical and electronic order forms, depending on the physical interpretation in the yard as possible by switching to the combination of components provided in the form means that the functional design. Natural weather conditions (natural environment), road conditions (man-made environment), human (a human), automotive (automobile), a traffic accident (an automobile accident), these multi-dimensional information in the form of a set of mathematical tools for cleanup (set) can be summarized to borrow. It's different dimensions (degrees of freedom) of the object (an individual) to the set (set) is. X is an element within a set of set of people, cars, nature, weather climate, elements such as roads that contains a set (set) is It means a different level of elements (an element) deulyijiman fundamental elements that make up an automobile accident must be. This could be the following proposition. The set of X, causing a car accident is a collection of the underlying cause. And this proposition is easy to see chamimeul. Because motor vehicle accidents make up the elements that emerged as common to all phenomena deulyimyeyo, but also among them, assuming that there is only one element in a car accident can

happen because: You look at it again, logically, human beings do not exist or is not related to motor vehicle accidents. Car does not exist or is not related to motor vehicle accidents. Intangible nature of natural space weather climate that does not exist or are not related car accidents. And the road does not exist or are not related accidents. These are not ordinary common sense can understand, and also from that meeting a set of X in a car accident that will be able to identify the underlying cause. In this set of elements and dimensions to the conceptual meaning of the common physical concepts (physical) that corresponds to a dimension to the definition (a definition) is. The physical quantities defined for the dimension physical (physical quantity) is the number two kinds of change that can be. Between different objects to solve complex problems, regardless of the number units or when high-level understanding that would be useful in the analysis because the set is very important. And this extension of the principle of comprehensive (generic extension principle) Let us apply to. the concept of a comprehensive set of x (geneticist) and the dimension is set. Human (a human) What? Physiological (human physiology) organisms capable of structural analysis, but according to the physical action sokseongjeok component instincts (Instinct) will be. For a definition of instinct acting signals in the concept of ecological stimuli (Sign stimulus), haebalin innate mechanisms (Innate Releasing Mechanism), fixed patterns of behavior (Fixed Action Patten) and formed the center, and behavior (one trillion kinds of driver behavior), the external signals coming from the environment caused by some very unusual. Instinctual behavior and environmental factors that cause stimulus is called the signal, the signal stimulus itself, which corresponds to a small part of the situation, and the innate human nervous system, usually mechanism called haebalin any nerve center (central nervous system) have, and this stimulated by the impact caused by the signal when stimulated by nerves and muscles chain reaction (consecutive reaction) causing, this series will appear in the reaction of instinctive behavior. Fixed behavior (Fixed Action Patten) of the act, there are already born, or scheduled fixed action as having to adjust it according to the stereotactic spatial variation (Orienting) is called. In other words, every human being is a driver for a county to mean the same person all the same these days because the driver briefly define what you are all operating according to the analysis sample is assumed to be human. Meteorological nature (natural environment) and to the Earth (earth) on the space and the atmosphere (the atmosphere) on the physical phenomena change initiative deulroseo rain (rain), snow (snow), heat (hot weather), cold (cold weather) and it belongs to. The energy to start up the car starts acting mechanical structure from the starter motor vehicles generally (starting motor) in the rotation due to the action agency with power suction (intake stroke), compression (compression stroke), explosion (expansion stroke), and exhaust (exhaust stroke) four kinds of the repeated cycle (cycle) within the Power Authority is repeated by the combustion of fossil fuels at the same time continuing the piston (piston), coupled with the crankshaft (a crankshaft) rotational movement of the (rotational motion) as powertrain (transmission), respectively, prior to undergoing addition, electro-mechanical devices are connected to the Power Authority Power Authority re-machine the physical kinetic energy into electrical energy by converting institution relating to the power intake system, exhaust system for the sensor (sensor) and facilitate the operation of various devices and device drivers and control device (controls) and a pointing device for each kind of electrical energy to the smooth (electric power) is to supply, all installed in the car constitutes a unique cycle of organic gineunggye Sikkim complete and up to that point is assumed to contain the expansion. Since humans rely on for the purpose of moving the spatial position and movement of energy inside the car hit the accelerator gye Chapter one trillion kinds (accelerator) neurological change through the driver's body movement is passed through a road point from one point to another location outside the energy that can move independently, without regard to means. Road vehicles on the road with another car that changes in real-time obstacle (an obstacle), signs (traffic sign), signal (a traffic control signal), such uncertainties constantly changing mix of physical exercise that is defined sokeseoui. These different dimensions mean conceptually meaningful words in a traffic accident phenomena that make up the relevant elements (element), and this common people of biological sensory receptors (somatic receptor) through the collection of information (information gathering) in accordance with rational logic system (intellectual construction) will be available through the emotional cognition. Y is the set of elements in the set X (element), who used them as human-centric, cars made in the structure function relationships established many relationships (relational) and substituting (correspond) to the set of things is derived. It is also produced in a real car based on the behavior of the structure and the general public can find out anyone. X to Y and work out a set of sets of the elements whose car use and interpret the human good to be induced to begin. That make it a car accident due to the interaction of four elements combine to cause the relationship to start by relying on a human is due to take place, normally dependent on humans to terminate the relationship is contacting. Human element in the set X itself about the relationship, yet at the same time a car is required to establish a combined volume-based (bond energy) has. It-dimensional (degrees of freedom) in the property or the human element (component) can be called. Such dimensional elements (dimension analysis) need to work with a willingness to move in accordance with the purpose of positional and dimensional coupled with car sikige relationship is established. Independent of human free will, according to the action integral, coupling relation in humans and vehicles in the car for the ride will be. However, the internal motion characteristics (property) and the component (component) jeokeuroneun car with a unique combination of athletic ability is an unfulfilled state. Independent of human will become bound to car and under any subsequent changes achieved in the automotive mechanical compositionally athleticism and ability to manipulate human biological coupling in the singyeonggyejeok is, this car boot (starting) or cranking (a crank) powered by the behavior of institutions and systems that work for the adjuncts from the starting point that can be. In addition, since this point in human biological functions (health state) to a car involved in physical exercise capacity and through that they need to think together in the same state, and also to afford a true sports car physically. Therefore, X is a set Y to a set of human wonsojung start (starting) can be flagged as a. Set of Y elements (an element) of start-up (starting) your vehicle according to a human running a passive activity is completed, the temporal point on its production vehicles pursuant to the exercise capacity associated with a unique kinetic energy of internal organs, the circulatory system (cycle) will be. It is due to start work on the power at the start of electrical energy from mechanical structural starter motor vehicles generally (starting motor) in the rotation due to the Power Authority operates with a suction (intake stroke), compression (compression stroke), explosion (expansion stroke) and exhaust (exhaust stroke) repeated the four kinds of fossil fuels in internal combustion engines by the agency at the same time repeated continuous piston (piston) coupled to the crankshaft (a crankshaft) rotational movement of the (rotational motion) to the driveline (transmission) Prior to each underway for each. In addition, agencies attached to the power electrical machinery and related sensors (sensor) on the Power Authority re-machine the physical kinetic energy into electrical energy by converting institution relating to the power intake system, exhaust system for the sensor (sensor) and the behavior of various devices, And the convenience of the driver unit and control device (controls) and a pointing device for each kind of electrical energy to the smooth (electric power) to supply and installed in the car all the unique gineunggye organic cycle is complete and that point constitute a sikimeul assume that expanded to include. Since humans rely on for the purpose of moving the spatial position and kinetic energy systems inside the car to hit one trillion kinds Chapter accelerator (accelerator) neurological change through the exercise by passing through a body to exercise and road cars from one point to another location point Regardless of the external energy and will enter at the beginning of an independent movement. The beginning of the road movement of vehicles along a fixed direction of the car because it is bound to exercise undongsang that one should have jayudoman, this road to explain the vehicles in a single variable (variable) explained by assuming only according to various criteria to interpret inaccessibility (difficult), avoiding the more accurate because a consistent interpretation is available. Bekteoryang car to start it (vector quantity) can be determined by two saenggyeo remain on the inside of the driver his visual sense (the sense of sight) through the speed indicator (tachometer) through the recognition (recognize) may be. Instructions such representations speed analog (analog), digital (digital) can be sent to, but it can be said to be equal to the sensory organ. Vehicle speed indicator (tachometer) on the changes mean that the real driving cars on the road, and this man in the car and started to enter into the state road traffic rush by that time will be able to interpret. Such visual instructions to the driver inside the car in relation to the state elements as a set of X-car speed (tachometer) ?? observation (observe) can be found at: In general, electrical, mechanical and electronic consists of describing the process based on electronic and understand. Electronic speedometer (electronic tachometer) the wheel (a wheel), etc. Field installed sensors or inductive sensors (induction sensor), etc., obtained by an electrical pulse (pulse) is generated in the form. This vehicle running speed is proportional to the noise in the low-pass filter for removing an element and then through a Schmitt trigger pulse is rectangular. Selling only two rectangular pulses of equal length in stable multivibrator is converted to a square wave. Movable type coil instrument connected analog (analog) speed is proportional to the integral rectangular pulses gyeongeuro instructions (integral function) accounted for as a process operator and visual instructions to check that the driver will change. Element for these cars in the set point X on Y can be seen as an independent movement in the aggregate elements (element) is the speed (velocity) that leads to the relationship between the elements (the system of proportional representations), and am in the set Y physical movement of elements of the speed of the vehicle components are included. X to a set of elemental nature, the weather (change of natural environment), the situation (man-made environment) which of the driving situation and road interpretation to take precedence beneficial coincidence of two things (at the same time), depending on families of the foregoing nature of Meteorology climate of snow and rain in the context of a natural phenomenon that occurs after the car driving safety's sake to build defenses are described in the first bar is the procedure the natural world. X to the set of natural elements as intangible as a spatial concept that the state was determined in the context of understanding the meaning. In general, a

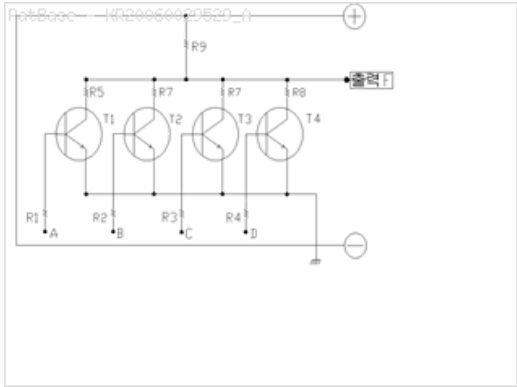
visual check can be intangible, and that's where this place is the atmosphere (the atmosphere) is called. The atmosphere (the atmosphere), a place conceptually atomic configuration (microscopic point of view) in the Earth's gravity (gravity) is a set formed by the atmospheric water vapor (steam), including the composition of nitrogen (nitrogen) 78 percent, and oxygen (oxygen) 21 percent, Ar (argon) 0.9 percent, carbon dioxide (carbon dioxide) 0.03 percent, and consists of unseen things that can be seen by anyone. The space (space) generated from the sun through the solar (the sun's ray), by temperature (temperature), etc. Circulating ten mechanical energy (cycle) is being made. These changes in temperature inside a car in the direction from the outer surface to the temperature change is required, this is inside the car on the driver aboard the physiological (body) sensory receptors (somatic receptor) stimulate (a stimulus) cause (a cause) invisible to the action of (element) as it will require a significant reaction. Over such a natural atmospheric effects due to the heat in the car with the driver about the relationship status of the natural temperature of the cold when a driver heading towards the direction of the heat (hot weather) to the car being made inside the space temperature control device operations, and vice versa nature: when the temperature in the direction of heat, cold, driver direction (cold weather) to the car interior space temperature control devices that can be seen followed by attempts to manipulate. According to external temperature effects on the reaction conditions applied to the law are being carried out in the actual car used in the check, and it gyejeolsang (the time of the year) when assigning the summer heat (summer) is, the car naebugye eeokeyondisyeongye of (cooling) cycle is maintained by the low temperatures, cold winter (winter) to the opposite inside the car as a hiteogyee (heating) cycle that is maintained by the high temperatures inside a car gyeee state of human results of the operation will be regarded by the body is given. So what about the natural world on climate meteorological element for a set of X, Y set of climatic conditions on natural weather heating (air conditioning) and induction should be listed. This is so that two of the heater (air conditioning) due to the action in the manner of its composition is as follows. (However, only the heater will be described in the text, but about the behavior of the two electronic components (electricity) that together are the same.) Heating method, the power authority (an engine) according to the type water-cooled (liquid cooling engine) and air-cooled (air cooling engine) is slightly different depending on, and water-cooled (liquid cooling engine) power, most agencies (an engine) that passes through the coolant heat exchanger (heater radiator) heating the air to the heating and air-cooled (air cooling engine) in some cases the air heat exchanger installed in the exhaust pipe (heater radiator) heating is a way to pass heated. How to adjust the quantity to it by the wind blowing the electric motor (air conditioning of vehicle), depending on the operation of the control (control) the common form in which (commonness) is applied to. Now, home heating systems in aggregate X Y wonsojung natural collection, weather, climate, and meaning in nature, including climate change. Now the rest of the set of X elements wonsojung car was with the road conditions, On the information routinely observed (observation) according to the result (result) only assume (assumption) deployed to the theoretical situation, because of natural climate phenomena rain weather (rain) snow (snow) on the progress or completion of phenomena defined huran time there was an understanding expressed in content according to the description of the road and vehicle movement on sanjeokdoen materials that will be limited to the Recall action. Substances on the state of the road sanjeokdoen rain, nundeungeun car (automobile) in the physical movement (motion) with the action (interact) are interrelated. Power transmission system according to the chain of the final act of a car wheel (a wheel) to the rotational motion (rotational motion) and the relation jineunde, this car in the center of the wheel (center point) outside (outside) portion of the tire on the configuration and materials and contact with the physical exercise, according to the microscopic size of the transfer of energy in the direction opposite to the direction of automotive injection phenomenon (direction of tangent line with constant velocity along the blown) occurs through the same road you are driving straight on board vehicles Watch where space is typically secured to the front of the glass part of the driver (windshield) and collision (collision between element particles) is. As a result of collisions of glass (windshield) unique to the visible transmittance seongjilin (clairvoyance) by causing a rapid deterioration in the rain, nundeunge phenomenon by the end doeoteumedo changdakyigi device driver (wiper mechanism) know that the action is. Changdakyigi device (wiper mechanism) behavior on the switch inside the car to the driver on board (switch) is based on the value can be manipulated, and also because the actual car is the same set X of elements of Y to a set of road conditions and driving a car window dakyigi device (wiper mechanism) is induced by the assignment. Changdakyigi jangchigye (windshield wiper system) in the configuration, operating principles generally electric, compressed air and are **classified**, general electric motors in the expression (wiper motor), links, and cancer (wiper arm), blade (wiper blade) is to switch to the ON position if changdakyigi device, the motor rotational movement (rotational motion) is associated with partial rotary motion by the power to install the front glass area of the ashes in a car that corresponds to a portion of material forces in the area is to remove the form. And primary energy (power) in the form of electricity (electricity) is So now the set X to a set of Y-dimensional relationship between elements and the assignment and the actual daily guided automatically by the judge in the visible-board meeting in a verifiable form was lodged in the. In addition to human hearing (a mental state), mental (mind), physical (body), psychological features related to physical quantities (psychophysical quantity) can be called things, it causes the X in the collection of elements derived by means of As a result of the unique properties that can be found that the state can be included. Use their cars on the set of Y elements that operates according to the assignment in time to analyze situations in order of when, due to time changes may know others. That type of information processing does not apply on the concurrent processing in a sequential form of state enable it to trying to achieve, because as easy. The temporal order of such circuit design (circuit design) in a logical map (logic map) and that as such due to the set of elements Y, respectively, into two distinct understanding as a signal that can be obtained. This component is defined as the set of elements accordingly to becoming a yirueojigo the system design, logic design (system design), so Z is naturally a set of configuration elements in the temporal behavior of the element X set of conditions defined by the value of the final action (a definition), and elemental way to mark a common Arabic numerals (arabic numerals) should be listed as. Y to a set of elements (element) as a four start-up (starting), speed (velocity), heater (heating), the window dakyigi device (wiper mechanism) is the basis of the foregoing information, you will wooseonil startup. It means a combination of humans and vehicles, and driving a car on the preparation phase corresponds to the physical exercise, and all cars should mean circulation in the internal energy system. Set of Y and Z set the startup element is assigned to an element. Then start up (starting) in the rate since the actual car (velocity), heater (heating), the window dakyigi device (wiper mechanism) work on the driver (a driver) in a random order determined in accordance with free will, but you are driving a car If the speed (velocity) can see that the second order. Rate set Y Z elements are assigned to a set of two elements. Weather conditions in the natural world as the weather and then a set of Y elements (an element) heater (heating) is assigned to the Z-set of three elements. Finally, a set of windows in a car driving road dakyigi devices yellow Y Z elements are assigned to a set of four elements. Z is the purpose of this organized according to a set of logical order (sequence), and X, Y, Z set the X set to clean up a traffic accident (a motoring accident) on the component causes (element) is set to, Y set of causes components for the automotive action (element) is set to, Y set of components for causing a car to work on a set order, and also use the car for a set of Z order of the temporal behavior (time sequence) is Each element on each element of the set Y by analyzing the electrical properties have the same nature as that produced in the form of a real car on the check so that configuration can be seen gyereul. Start (starting) Iran gidongjangchigye in a real car (starting system) and dongryeokgi relationship (an engine system) can cost in relation to interpretation. Typically by rotation in the key way in everyday life and electricity (electricity), by the way that wireless electronic switch inside the car on the way, can be divided according to the actions. These three ways Hillsbrad car battery power source (battery) power to start the motor (electric motor) in the rotation (rotational motion), the initial power to exercise authority and aims to induce a prototype of the entire operation because all of the same things can be seen. In addition, during operation of the primary energy jeongieneojiim work (electricity power) can see. Speed (velocity) What physical exercise (physical quantity) to be related to the status of physical exercise on a car driver in the car to be able to recognize each sensor (induction sensor) in the final driver sigyesang Km / h in the instructions state that the purpose of the unit, and this also in the structure electricity (electricity), based on the electronic behavior guseonggye, and energy were significant differences in the principles of operation of electrical energy (electricity power) can be seen that as the default. Cooling, heating (ventilation system) What? External heat ever about the status of a car inside the driver's action are based, as air-conditioning (cooling water) and heating (heating) a different direction ten enemy origin (the origin) have, but inside a car in the temperature change, the purpose and configuration that meets the criteria for gyeiyigie Heating, Power Authority (an engine) coolant (cooling water) to pass through a heat exchanger (heater radiator) using a heated air blower motor (fan motor) controlled by the vehicle interior heating This form consists of controlling the behavior of the electrical switches also operate according to the blower motor, which is based on work found in the form of electrical energy as the primary energy (electricity power) is Window dakyigi device (wiper mechanism) according to the driving situation in a car on the driver a visual watch mokjeokdoen important to ensure that functions as a switch located inside the car electric motor rotates by the action (generate electricity) and it is connected to the glass unit (windshield) while in contact with substances (snow or rain) in a manner that eliminates this action by also achieving electrical energy guseonggye (system) can see that. Organize a set of four kinds of elements when qualitative aspects, Y has a set of electrical properties of elements, and their own work in gyega circulation and can be seen that the electrical energy involved. It stopped as they work with each element with regard to the state, electricity (electric current) is flowing or not flowing, the, the switch is turned ON to OFF state are you'll notice. Each angle is the set of Z elements, ie ON, OFF, or stop (stop), and logically operate in an unknown state (logic) ON the "0"

OFF "1", and it may be written in reverse (converse) also possible can see that. Organize them on the basis of intelligent vehicle driving safety circuitry produces behavior made. Drawing an intelligent car driving safety circuit that operates from inside a car can be understood by the whole concept As a general electrical circuit diagram in relay or relay configured as a playground. Relay (relay) is a 4pin type relay, in multistage guseonggye enjingye (engine), Speedometer (tachometer system), I'm collateral (air conditioning system), Windows dakyigi jangchigye (windshield wiper system) are connected to the voltage (voltage) and current (electric current) is the same for both the home and will be described. Each one of the internal relay Re1, Re2, Re3, Re4, Re5 and Re4 in the center consists of Re1 each at the bottom of each S1 input terminal (input) A, B, C, D through the enjingye, speedometer, heating systems and window systems are connected with dakyigi device. Intelligent vehicle driving safety circuit behavior (action) and action are as follows: Relay (relay) is like all four of the terminals, respectively, B, S1, S2, L is the terminal. Re1 b terminal on the power (battery) is connected to. It starts with the actual car and the driver intended to be used inside a car while on board, start-up (engine starting) hang power agencies (an engine system) is a circular ?? make quite a unique energy system, the electrical input terminals a and electronic signal is input through the input terminal S1 to Re1 (input) and, S2 output from the terminal (output) is S2 terminals grounded (earth) is connected to. Therefore, in this state, the relay Re1 B terminal and L terminal unique dongjakin inside S1, S2, because current flows between the electromagnet (an electromagnet) stimulation pulled jeopgeukjareul contact (a point of contact) climbs up pushed point B. L circuit closed (close) in accordance with the principles of operation S1, S2 signal is input to the B terminal in its current form is associated with the current through the power of L is the terminal goes into. In the multistage to Re1 Re2 B to the L terminal is connected to the terminal. However, the power obtained from the current Re2, B is the standby terminal contacts. This is the start of the intelligent vehicle driving safety circuit (engine starting) information about (starting information) is only (recognize) that the state can be treated. Since start-up operator for the purpose of moving the car, due to the kinetic energy remaining in the tachometer (tachometer system) so you can see it in action on the motion on the speedometer in the car a certain amount of movement when the inputs change state ryange true (input) b signaling through (signal) input (input) is Intelligent vehicles driving through the input terminal b, the input signal to the safety circuit is connected to terminals S1 to S2 Re2 output terminal and ground (earth) flows. Re2 B terminals by the action of the distinguished L current output terminal of the L Re2 and Re3 terminal is connected to the B terminal. These conditions in the car boot (engine starting), speed (velocity) such a state of two pieces of information processing can be made, and added that together with the information processing Re3 is waiting to be processed in the B terminal. Re3 information on it yet because it was not according to the input signal. Followed by a car driving under natural climatic conditions Weather drivers in the temperature inside the car (a change of temperature) as a vehicle for the displacement operator Heating gyea by switch operation by relying on its own energy cycle begins, the input terminals (input) C signals are being input to enter S1 to S2 is listed as Re3 ground (earth) flows. Re2 behavior and also inside the same signals S1 and S2 during the Re3 flowing currents in the B terminal is output to the L terminal to B terminal is facing in Re4. In this state, start the car (engine starting), speed (velocity), due to natural weather conditions weather information (data) processing the input corresponds to the state, and that information is processed in Re4 B terminal is in the standby state. Then, the processing status information from the driver's car driving according to road conditions in order to ensure directional clock and window dakyigi gye switch operation by the device a unique window dakyigi device gye circulation is established, through the signal input terminal d being input, the input terminal d to enter information into the terminal Re4 S1 to S2 is output to ground sikimyeo flows. Re4 B, the information you were waiting in the terminal is output to the L terminal. Relay Re4 Re5 the L terminal is connected to the terminals S1 and S2 output is grounded. This is all the information (data) is done in the treatment process. And in the B terminal and L terminal Re5 respectively tadane a 'b' is connected to the. a 'and b' in between the taillights light switch SW1 (tail lamp switch) and, Re5 Re5 in the S1.S2 the signal flowing in during the L terminal and B terminal, because the conduction tail lights (tail lamp) lights up (on lighting) is This function is performed as a mokjeokhan. Drawing on a description of the content and information processing in the form of AND logic based on intelligent vehicles driving in a manner designed to operate in safety circuits is the effect on the way. Weightlifting is the same as him. Drawing two boxes for the automotive driving safety circuit behavior and acts in accordance with the actual level of automobile manufacturing technology and the power consumption of the product in production efficiency (efficiency) to reflect, a semiconductor device (transistor) and resistor (resistance) and relay (relay) circuit is designed to bind to. It constructs the input information to the difference between the drawing and not a function of information processing and action for the same meaning to it according to the output (output) to provide. 2 drawings in content and logical flow of information processing by the AND operation is that the form-oriented, and it is weightlifting. Circuit in FIG Information. This Minister s1 input (input), s2 processing unit (process), s3 output (output) can be divided into input wealth composition, the corresponding device input terminals S1, A, B, C, D, and each of each resistor connected to the top elements R1, R2, R3, R4 are connected to the input terminal to the bottom of the sidonggye (starting system), Speedometer (tachometer system), nanbanggye (air conditioning system), Windows dakyigi jangchigye (windshield wiper system) and each of each is connected. A seolmyeongsang the sidonggye (starting system), B the speedometer (tachometer system), C the collateral I (air conditioning system) and D dakyigi jangchigye the window (windshield wiper) connects to an addition built connection between description it does not matter if the mubangha. S2 is denied treatment T1, T2, T3 and T4 are a four spikes of small semiconductor transistor (transistor) is composed. Mokjeokdoen in the selection of a semiconductor device features a rectangular ones for the various forms may be expressed replaces. In this circuit, bipolar (Bipolar) NPN-type transistor in series (Transistor) is Transistor (transistor) of basically three terminals, and each angle of the emitter terminal (Emitter), database (Base), collector (Collector) is called the emitter, base, collector, respectively, E, B, C symbol is represented by And B, T1, R1 and is connected to the bottom, E a ground terminal (earth) is connected to. R2 and T2 are connected to the B and E at the bottom of the ground terminal (earth) is connected to. T3 is connected to B, and E at the bottom of the R3 and the ground terminal (earth) in the R4 and T4 are connected to the B and E at the bottom of the ground (earth) is connected to the altar. Output (output), and device configuration corresponding to the S3 R5, R6, R7, R8 and output terminals connected to the F relay (relay) B consists of a relay terminal and L terminal switch for each light, each taillight (tail lamp switch) is connected to the multi-stage. It includes deulkkaji. Device, the resistor R5, R6, R7, R8, so that each of the connection at the bottom of each R5 is connected to terminal T1, the collector. R6 at the bottom of the collector terminal is connected to T2. R7 at the bottom of the collector terminal is connected to T3. And at the bottom of the T4 R8 to the collector terminal is connected to. R5, R6, R7, R8 to the top of the output (output) F are connected by R9 it up voltage (voltage) is at stake. This circuit operates on the circuit analysis is the reverse inference. First output (output) when based on the R4, T1 at the top of the resistor R4 is connected to the collector and the sunbangan voltage is affirmed. T1 internal structural relationship in the forward voltage for D1 or, D2 on the dotted line because the reverse voltage and no current in the same direction. This NPN type transistor (transistor) on the internal structure of two diodes (diode) because the fitted understood that help to explain, which takes the voltage to the terminals T1, even though the collector emitter current is not flowing into the state by default is. T1 and T2, T3, T4 are all the same state. These conditions intended to be used on the driver's car, and start-up (engine start) on the T1 base (base) terminal through the information (data) input (input) and will be. T1, then the base (base), emitter (emitter) is made between the voltage drop, the base (base), emitter (emitter) between the current (electric current) is the flow. It is the base emitter diode between the internal (diode) because the forward. At this time, the collector (collector), emitter (emitter) Novelties current flowing between the base, due to the flow of current between the emitter current in diode D2 (electric current) flows are over. This is a real collector, the emitter between the current flow by measuring to check and as a result, T1 and the base, emitter between the current flow to the collector, the emitter between the current flow transistor (transistor) of the special behavior takes advantage of the startup (engine start) the information (data) will be written to the treatment. However, information on the entire circuit elements on the rest of the three did not enter the relay mokjeokdoen behavior is not done. Since the speed (velocity), I'm collateral (air conditioning system) and dakyigi jangchigye window (windshield wiper system) information on input terminals, respectively, B, C, D are input through the voltage drop, respectively, T2, T3, T4 treatment that has been entered into in accordance with its output relay (relay) operation on the tail lights lit (on lighting) switch in the ON operation has a value. Therefore, passive rear lights lit on the driver circuit before the automatic light switch operation (auto lighting) and performs functions mokjeokhan. Intelligent Vehicles in safety circuits in everyday life with the invention snow, rain on a car driving over the duration of the driver on the road motorcade driving snow to the driver in an environment (eyes) in order to ensure forward visibility through the window visual dakyigi device (wiper mechanism) dongjakhu to switch ON, the rear of a car accident that may occur in order to secure themselves from the act of active conflict prevention activity for the purpose of backward light is lit and the switch instructs the operation amount of time it takes to operate 1sec Assuming that jam. 100 Km / h based on a car driving by. A second driver tells the operating time for the actual road distance from the car during the move that you know 27.7m 27.7m What car because the mileage interval corresponding to the driver and vehicle safety features for the car itself, first by providing a quick road For rain to snow-facing car slip (slide over the snow), etc. for the preventive effect of collisions (prevention effective) there. In addition, in such a situation analysis on the use of light according to the layman on how to use for beginners (a beginner) and elderly (senior citizen) in their defensive driving skills by driving aggressively because it complements the standing crisis that may occur in posterior vehicle prior to or at risk of aggressive defense by running the best cars in the smooth road accidents due

to communication and actively contribute to the effective preservation of life (effective) to provide. contained in this application form for the word meaning and reference books, electronic information and communication engineering dictionary: book publishing wait and physicochemical Iwanami Dictionary: daegwangseorim, 2004 daebeopjeon: Code Publisher, micro-electronic circuits Design: Mechanism Researcher, Life Science Dictionary: Academy Books, Electronics Dictionary: occupy almost same proportion, Human Physiology: Publishing the effective date, and biology: Eul Press, younghan Medical Dictionary: sumunsa

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