

Diego Gonzalez

1) Family number: 22984309 (GB1136703A)

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Title: APPARATUS FOR STACKING BAGS

**Abstract:** 1,136,703. Delivering sheets. CELLOPLAST A.B. 4 May, 1967 [4 May, 1966], No. 20818/67. Heading B6H. Plastic bags delivered from a machine 1 by rollers 2 are stacked on a receiving table 5 lowered as the stack rises by a screw-nut device 3, 4 connected to the machine, and each top bag in turn is struck by a plurality of spring elements 7 attached to a roller 6, which flattens the bag and expels any air from beneath it, and pulls it against front stops comprising spaced vertical rods 11. Three are two sets of elements 7, and each bag is delivered on top of the elements which have struck the previous bag, and is moved against the rods 11 by said elements, then being struck by the other set of elements, which perfect the movement against the stop. A bar 12 temporarily checks the elements 7 and releases them to produce a greater blow.

**Classifications:**

**International (IPC 8-9):** B65H29/14 (Advanced/Invention);

B65H29/00 (Core/Invention)

**International (IPC 1-7):** B31B31/74 B65H29/40

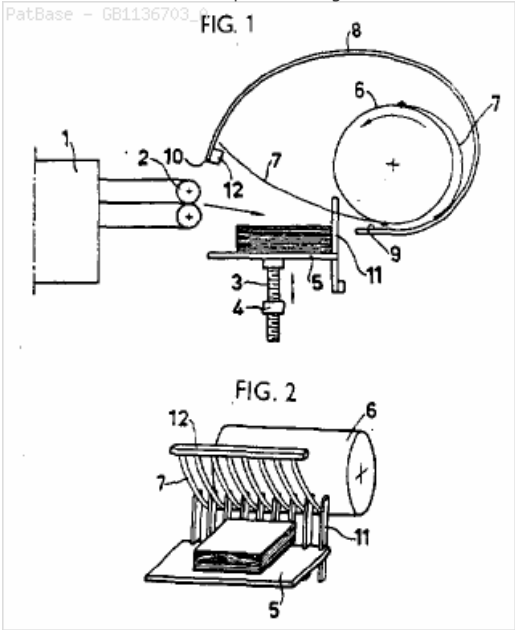
**CPC:** B65H31/36 B65H29/14 B65H2301/4212 B65H2301/4432

B65H2404/1114 B65H2404/11221 B65H2601/211 B65H2701/191

**European:** B65H29/14 B65H29/40 L65H301/4212 L65H301/4432

L65H342/120 L65H344/320 L65H404/1114 L65H404/11221

L65H601/211 L65H621/100 L65H701/1910



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| GB1136703 A        | 19681218         | GB19670020818      | 19670504         |

**Priority:**

SE19660006096 19660504

**Probable Assignee:**

CELLOPLAST AB

**Assignee(s): (std):**

CELLOPLAST AB

**Assignee(s):**

AKTIEBOLAGET CELLOPLAST

2) Family number: 30725056 (US2004134016A)

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Title: SUCTION WET JET MOP

**Abstract:** A cleaning device (10, 300, 380, 390, 400, 500) includes a handle assembly (14). A cleaning head (12, 312, 512) is pivotally mounted to the handle assembly (14). The cleaning head selectively holds a cleaning pad (70, 70') for collecting dust and debris from a surface to be cleaned. A suction nozzle (18, 338, 408, 518) is carried by the cleaning head. A dirt collecting receptacle (208, 336, 410) is mounted to the housing and is in fluid communication with the suction nozzle and a suction fan and motor assembly (30). At least one spray nozzle (22, 24, 332, 406, 560) is disposed on one of the suction nozzle and the cleaning head. A liquid delivery system (90) delivers a cleaning fluid to the at least one spray nozzle. At least a portion of the liquid delivery system is mounted on the handle assembly.

**Classifications:**

**International (IPC 8-9):** A47L11/03 A47L11/04 A47L11/20 A47L11/30

A47L13/22 A47L13/42 A47L5/24 A47L5/28 A47L7/00 A47L9/02

A47L9/06 A47L9/28 B08B5/04 (Advanced/Invention);

A47L11/00 A47L11/29 A47L13/10 A47L13/20 A47L5/22 A47L7/00

A47L9/02 A47L9/06 A47L9/28 B08B5/00 (Core/Invention)

**International (IPC 1-7):** A47L11/30 A47L13/22 A47L5/00 A47L5/28

A47L7/00 A47L9/00 A47L9/06 A47L9/28

**CPC:** A47L5/24 A47L5/28 A47L7/0009 A47L7/0038 A47L7/0042

A47L9/2836 A47L9/2842 A47L9/2857 A47L9/2889 A47L13/22

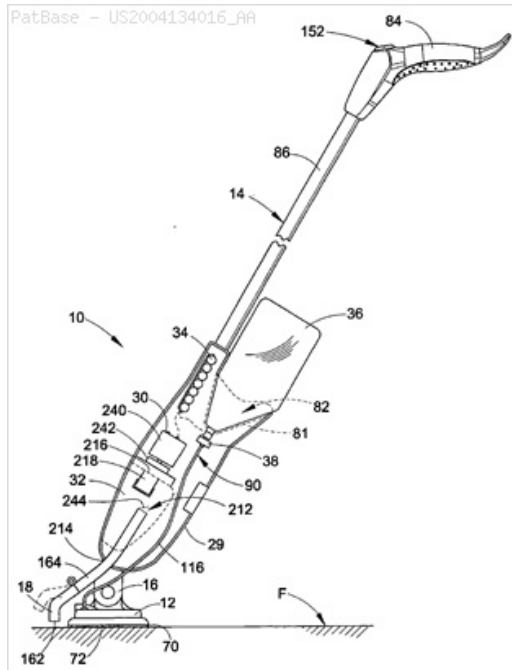
A47L13/42 A47L9/2873 A47L9/2884

**European:** A47L13/22 A47L13/42 A47L5/24 A47L5/28 A47L7/00B10

A47L7/00B2 A47L7/00B8F A47L9/28D A47L9/28D2 A47L9/28F

A47L9/28P2 A47L9/28P6 A47L9/28S

**US:** 134/21 15/32 15/320 15/320P 15/328 15/403 15/403S

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2004204766 AA    | 20040729         | AU20040204766      | 20040108         |
| AU2004204766 BB    | 20071220         | AU20040204766      | 20040108         |
| CA2512669 AA       | 20050706         | CA20042512669      | 20040108         |
| CN100586357 C      | 20100203         | CN200480006306     | 20040108         |
| CN1764409 A        | 20060426         | CN200480006306     | 20040108         |
| DE602004027795 D1  | 20100805         | DE200460027795T    | 20040108         |
| DE602004038136 D1  | 20120802         | DE200460038136T    | 20040108         |
| EP1603446 A2       | 20051214         | EP20040700897      | 20040108         |
| EP1603446 B1       | 20100623         | EP20040700897      | 20040108         |
| EP2229865 A2       | 20100922         | EP20100006434      | 20040108         |
| EP2229865 A3       | 20101013         | EP20100006434      | 20040108         |
| EP2229865 B1       | 20120606         | EP20100006434      | 20040108         |
| ES2348006 T3       | 20101126         | ES20040700897T     | 20040108         |
| ES2389052 T3       | 20121022         | ES20100006434T     | 20040108         |
| IN00751MN2005 A    | 20051021         | IN2005MN00751      | 20050707         |
| IN213313 B         | 20070315         | IN2005MN00751      | 20050707         |
| JP2006516423 T2    | 20060706         | JP20060500865T     | 20040108         |
| JP2010131407 A2    | 20100617         | JP20100002848      | 20100108         |
| JP4859988 B2       | 20120125         | JP20100002848      | 20100108         |
| MXPA05007413 A1    | 20051018         | MX2005PA07413      | 20040108         |
| RU2005125077 A     | 20060610         | RU20050125077      | 20040108         |
| RU2328201 C2       | 20080710         | RU20050125077      | 20040108         |
| US2004134016 AA    | 20040715         | US20030340691      | 20030110         |
| US2004139572 AA    | 20040722         | US20030669214      | 20030924         |
| US7048804 BB       | 20060523         | US20030669214      | 20030924         |
| WO04062457 A2      | 20040729         | WO2004US00464      | 20040108         |
| WO04062457 A3      | 20040916         | WO2004US00464      | 20040108         |
| WO04062457 C1      | 20051027         | WO2004US00464      | 20040108         |

**Priority:**

|                        |                        |                        |
|------------------------|------------------------|------------------------|
| US20030340691 20030110 | US20030669214 20030924 | EP20040700897 20040108 |
| EP20100006434 20040108 | JP20060500865 20040108 | WO2004US00464 20040108 |

**Probable Assignee:** ROYAL APPLIANCE MFG CO

**Assignee(s):** (std): FARONE RICHARD C ; KALMAN JEFFREY M ; KISELA DAVID ; ROJJAL EHPPLIANS MFG KO ; ROYAL APPLIANCE MFG CO ; ROYAL APPLIANDE MFG CO ; WALDRON SREVEN D ; TUFTS LINDSEY JR ; ROYAL APPLIANCE MFG ; ROYAL APPLIANCE MFG COMPANY ; WRIGHT MICHAEL F ; SAUNDERS CRAIG M

**Assignee(s):** TECHTRONIC FLOOR CARE TECHNOLOGY LTD ROAD TOWN ; WALDRON STEVEN D ; TUFTS LINDSEY ; ROYAL APPLIANCE MANUFACTURING COMPANY

**Inventor(s):** (std): KALMAN JEFFREY ; KALMAN JEFFREY M ; KISELA DAVID ; KISELA DAVID FARONE RICHARD C ; FARONE RICHARD ; FARONE RICHARD C ; SAUNDERS CRAIG ; SAUNDERS CRAIG M ; SREVEN D WALDRON ; TUFTS LINDSEY ; TUFTS LINDSEY JR ; WALDRON SREVEN ; WALDRON SREVEN D ; WALDRON STEVEN D ; WRIGHT MICHAEL ; WRIGHT MICHAEL F ; TUFTS JR LINDSEY ; UOLDRON STIVEN D ; RAJT MAJKL F ; LINDSEY TUFTS ; KISELA DEHVID ; TAFTS LINDSI DZH ; SONDEERS KREJG M ; KAL MAN DZHEFFRI M ; DAVID KISELA ; FAROUN RICHARD S

**Inventor(s):** FARONE RICHARD C WILLOUGHBY ; CRAIG M SAUNDERS ; KAL'MAN DZHEFFRI M. ; HISELA DAVID ; SAUNDERS CRAIG M ROCKY RIVER ; KISELA DAVID DUBLIN ; KALMAN JEFFREY M CLEVELAND HEIGHTS ; TUFTS LINDSEY JR EUCLID ; THE DESIGNATION OF THE INVENTOR HAS NOT YET... ; TUFTS LINDEY JR ; WRIGHT MICHAEL F STOW ; WALDRON SREVEN D COURTLAND ; TUFTS ; JEFFREY M KALMAN ; JR LINDSEY ; KISELA DAVID FARONE RICHARD C WALDRON STEVEN D WRI ; LINDSEY JR TUFTS ; MICHAEL F WRIGHT ; RICHARD C FARONE

**Agent(s):** SPRUSON AND FERGUSON; RIDOUT AND MAYBEE LLP; MARKS AND CLERK LUXEMBOURG LLP; MUELLER BORE AND PARTNER PATENTANWALTE; HOLMES MATTHEW PETER; FAY SHARPE FAGAN MINNICH AND MCKEE LLP

**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ

DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE  
KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG  
PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA  
ZM ZW

### 3) Family number: 29767348 (GB900517A)

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**Title:** Electric resistance surface heating devices

**Abstract:** 900,517. Electric resistance heating films or foils. EISLER, P. July 18, 1958 [July 24, 1957], No. 23480/57. Class 39 (3). [Also in Groups VI, XXXV and XXXVI] A dispensible heating film forming an electric resistance of large surface and minute thickness is associated with a food package or eating appliance and has terminal areas for connection to a low voltage, e.g. 12-48 volts, not dangerous to touch. The heater is a flimsy metal pattern on a plastic film and forms the whole or part of a dispensible food package or may be placed on or in dispensible or permanent food containers, e.g. boxes, bottles, glasses, pans or dishes, food covers or table mats. The heating film for a food package is not intended for re-use. The resistance may be of thin titanium, tin, aluminium, or of lacquered steel, or may be a plastic film with a carbon or graphite filler, or a plastic film with a metal pattern deposited by vacuum evaporation or otherwise. The metal foil may be crimped and protected against contact with the food by a covering film of plastic. A bag 14, Fig. 1, for potato crisps has within it a metal foil heating loop 12 with its ends separated by an insulating strip 13 adhered thereto or bent from the bag, the top of which must be torn to provide access to terminals and to form an air vent during heating. Current is supplied through a detachable spring clip (see Group XXXVI). The foil 12 may be perforated or may be a metal strip slotted at opposite edges alternately to give a zigzag pattern supported by an insulating tape adhered thereto centrally along its length. A bag may be made having metal resistance pattern on a film of plastic, e.g. of P.V.C., paper, regenerated cellulose, polyester, polycarbonate, polythene or irradiated polythene. Aluminium foil is patterned by any printed circuit process, e.g. printing, etching, punching slots or by expansion and may be anodized. In Fig. 5, the foil has a long central slot 26 and apertures 25. The plastic film 31 has transverse reinforcing strips 29 and a thin continuous metal line 32 at each side of the foil, so that when the film is cut at C and folded at F to form a bag, current is passed through the notched lines 32 to seal the plastic film edges together. The foil may be coloured or decorative or may form lettering, and when it is outside the bag may be protected by a layer of plastic, plastic foam, paper varnish, or lacquer. When the heating foil is inside the bag, the outer side may be covered with metal foil. Such layers or metal foils may have on one side a selfadhesive coating for attachment to a surface, e.g. inside or outside a metal canister or other food container. For higher temperatures thin asbestos paper, glass fibres or P.T.F.E. may be the protecting layer. A sodium silicate adhesive may be used for bonding the metal foil to an insulating layer. The heater may be placed loosely in a canister and may be used for defreezing food, boiling, baking or frying. In Fig. 8 the heater 36 is formed as a tubular immersion heater with the top cut at a slope for easy pouring. A forked wedge connector 38 is inserted to lift the heater from the bottom of a bottle 37 to allow pouring of the liquid, which is thus heated during flow. Slices of food or biscuits 52 may be wrapped in a heating film which may extend between the slices; or the slices be wrapped separately in a long foil 53 with contact-strips 55. Slices, e.g. of meat, may be heated singly and separated at tear-off lines 54, or the wrapped slices may be placed separately between electrodes in a container and connected in series (Fig. 11, not shown). The heating film may be porous or perforated to allow escape of steam. The food may be heated more at the top or the bottom and may be squeezed out of such packages. In Fig. 12, a long polythene film carries a perforated aluminium foil 63 with intermediate bus-bars 64 which may be torn along a central perforated line 68 into lengths each of which carries a transverse polythene tape 65 so that on folding around a slab of food, the extending parts of the tape 65 may be folded over the ends of the slab to enclose it entirely. The food may be placed in trays on a conveyer each tray carrying at one edge a removable blade for severing the heating strip at 68. A pack having as top and bottom thin paper or plastic films or a heating foil may be reinforced by making its sides of corrugated cardboard, stiff plastic foam, honeycomb construction or paper mache and may be placed in a cardboard tray. Each pack may have two current paths connected in parallel for rapid heating and then be switched by timing or a temperature-sensitive device to connection in series for keeping warm. An outer tray may carry one or more heating films and a lamp indicating passage of current. Current may be supplied through a small transformer serving also as a heater on the tray or as a support. A preliminary rapid heating at a higher voltage may be arranged, and may be ended by a temperature-sensitive device. The packs may be arranged in a coin-operated vending device with warming lamps. A paper strip may carry two terminal end portions of a heating foil within a container and access to the terminals is obtained by pulling them out of a slot in the container by the outer end of the paper strip. A fuse may be formed by narrowing the width of a metal line of the heating pattern or by a bridge of solder between two lines held under tension and broken by development of vapour pressure during cooking. The fuse may be a conductive adhesive comprising graphite or metal powder in a binder softening at a critical temperature. A heating film comprising a patterned foil on a plastic film coated on the other side with unpatterned metal has the latter connected to earth; and the plastic may be chosen to melt at a critical temperature. The earthing current may operate a fuse or cut-out elsewhere. The earth may be a metal box and the adhesive holding the foil heater thereon may melt at the critical temperature. A fuse may be "exploded" by steam from a little water in a capsule. Temperature-sensing control elements may be incorporated in the food pack and be made a layer of the heating film. A drinking "straw" may be made from heating film and may have several contacts co-operating with contacts on a bottle cap. A heating film may be shaped to an egg or egg cup or may be attached to an egg crate and have a timer in the supply cable. When dry food is to be moistened during cooking, the liquid may be in a plastic bag attached to the film and having a seal breaking at a required temperature; or the dry food is placed in porous or perforated heating film coated with gelatine, sugar or chocolate soluble in hot water. A metal heating foil on a film of gelatine may surround a liquid or solid concentrated food or a sausage. Food is steamed by placing it in a partly perforated heating film in a container holding water or ice, and the steam may pass through the package to an outlet. The heating film is spaced from the food for roasting or grilling. The film may be stuck on soup plates, teapots, tea cosies or other table ware, or may form an eating appliance. The Provisional Specification describes an arrangement in which the supply is derived from the secondary windings of a transformer which is designed to act as a hot-plate to provide auxiliary heat for the package. The device also acts as a temperature-sensitive circuit element and it is used as a means of regulating the heating current through the foil. Specification 900,518 is referred to.

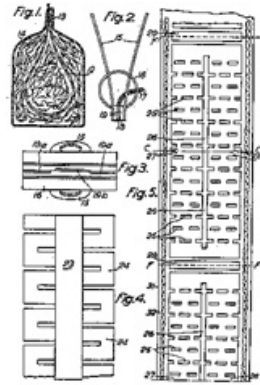
#### **Classifications:**

**International (IPC 8-9):** A47J36/10 B65D81/24 B65D81/34 H05B3/00  
H05B3/26 (Advanced/Invention);  
A47J36/00 B65D81/24 B65D81/34 H05B3/00  
H05B3/22 (Core/Invention)

**International (IPC 1-7):** A23L3/00 A23L3/32 B65D77/22 B65D81/34  
H05B3/22 H05B3/28 H05B3/34 H05B3/54

**CPC:** A47J36/10 B65D81/24 B65D81/3446 B65D2581/344  
B65D2581/3472 B65D2581/3494 H05B3/00 H05B3/26 H05B2203/003

**European:** A47J36/10 B65D81/24 B65D81/34M H05B3/00 H05B3/26  
L65D581/34M3A L65D581/34M5A L65D581/34M7S T05B203/003

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CH377949 A         | 19640531         | CH19580062082      | 19580722         |
| DE1293357 B        | 19690424         | DE1958E016172      | 19580723         |
| GB900517 A         | 19620704         | GB19570023480      | 19570724         |
| SE320744 B         | 19700216         | SE19580006814      | 19580717         |

**Priority:**

GB19570023480 19570724

**Probable Assignee:**

EISLER PAUL

**Assignee(s):** (std):

EISLER P ; EISLER PAUL

**Assignee(s):**

PAUL EISLER

**Inventor(s):** (std):

PAUL EISLER ; EISLER P

**Inventor(s):**

EISLER PAUL

**4) Family number: 43876561 (US2011030312A)**

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**Title:** SELF-SERVICE SYSTEM FOR PAYING IN AND WITHDRAWING COINS

**Abstract:** A self-service system (10) for depositing and dispensing coins (108, 116) with a device for the input (12) of coins (108, 116) and a device for the output (30) of coins (108, 116). Means are provided which provide the coins (108, 116) to be output from the stock (18a to 18d) of the deposited coins (108, 116) in the form of a packed coin pack comprising a large number of coins (108, 116).

**Classifications:**

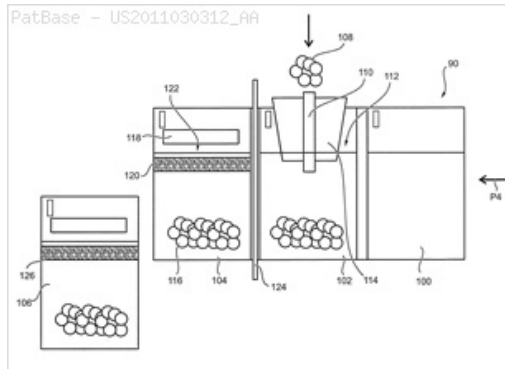
**International (IPC 8-9):** B65B5/06 G07D1/00 G07D11/00 G07D3/00  
 G07D9/00 G07D9/06 (Advanced/Invention);  
 G07D1/00 G07D9/00 (Core/Invention)

**CPC:** G07D9/065 G07D11/00 G07D1/00 G07D9/00

**European:** G07D1/00 G07D9/00

**US:** 1/1 53/167 53/167P

PatBase - US2011030312\_AA

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CN102007517 A      | 20110406         | CN200980113404     | 20090417         |
| CN102007517 B      | 20131016         | CN200980113404     | 20090417         |
| DE502009011051 D1  | 20150702         | DE200950011051T    | 20090417         |
| DK2283471 T3       | 20150817         | DK20090732973T     | 20090417         |
| EP2283471 A1       | 20110216         | EP20090732973      | 20090417         |
| EP2283471 B1       | 20150520         | EP20090732973      | 20090417         |
| ES2543878 T3       | 20150825         | ES20090732973T     | 20090417         |
| US2011030312 AA    | 20110210         | US20090936826      | 20090417         |
| US9396600 BB       | 20160719         | US20090936826      | 20090417         |
| WO09127731 A1      | 20091022         | WO2009EP54616      | 20090417         |

**Priority:**  
DE200810019436 20080417      EP20090732973 20090417      WO2009EP54616 20090417

**Probable Assignee:** WINCOR NIXDORF INT GMBH

**Assignee(s):** (std): EICK ECKHARD ; NEUMANN THORSTEN ; WINCOR NIXDORF INT GMBH ; WONKA HELGE

**Assignee(s):** WINCOR NIXDORF INTERNATIONAL GMBH

**Inventor(s):** (std): ECKHARD EICK ; EICK ECKHARD ; HELGE WONKA ; NEUMANN THORSTEN ; THORSTEN NEUMANN ; WONKA HELGE

**Agent(s):** SCHAUMBURG THOENES THURN LANDSKRON ECKERT; CARPINTERO MARIO; HARNESS DICKEY AND PIERCE PLC

**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 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 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

**5) Family number: 43685201 (CO4180428A)** © PatBase

**Title:** METODOS Y SISTEMAS PARA LA FABRICACION DE MATERIALES DE EM- PAQUE, RECIPIENTES Y OTROS PRODUCTOS DE MEZCLAS QUE FRAGUAN HIDRAULICAMENTE COMPUESTOS CON ALTO RELLENO INORGANICO. METHODS AND SYSTEMS FOR MAKING MATERIALS PARKS EM, VESSELS AND OTHER PRODUCTS hydraulically setting MIXING WITH HIGH FILLING INORGANIC COMPOUNDS. (Machine translation)

**Abstract:** Source: CO4180428A [ES] UN ARTICULO DE FABRICACION QUE TIENE UNA MATRIZ ESTRUCTURAL CONRELLENO INORGANICO QUE COMPRENDE UN AGLUTINANTE ORGANICO DISPERSABLE EN AGUA; UN AGREGADO INORGANICO QUE TIENE UNA CONCENTRACION DENTRO DEL RANGO DE ENTRE 40 percent Y 98 percent EN VOLUMEN DEL TOTAL DE SOLIDOS EN LA MATRIZ ESTRUCTURAL CON RELLENO INORGANICO; Y UN MATERIAL FIBROSO, TENIENDO DICHA MATRIZ ESTRUCTURAL CON RELLENO INORGANICO UN GROSOR DENTRO DEL RANGO DE ENTRE 0.01 nm Y 20 nm.7UN METODO PARA FABRICAR UN ARTICULO COMPRENDIENDO EL METODO LOS PASOS DE: MEZCLAR UN AGLUTINANTE DE POLIMERO ORGANICO, UN AGREGADO INORGANICO, AGUA Y FIBRAS CON EL FIN DE FORMAR UNA MEZCLA MOLDEABLE, ESTANDO INCLUIDO EL AGREGADO INORGANICO EN UNA CANTIDAD DENTRO DEL RANGO ENTRE 40 percent Y 98 percent EN VOLUMEN DEL TOTAL DE SOLIDOS EN LA MEZCLA; MOLDEAR LA MEZCLA EN LA FORMA ESTABLE DEL ARTICULO Y ENDURECER LA MEZCLA EN UNA FORMA ESTABLE DEL ARTICULO, TENIENDO EL ARTICULO UNA MATRIZ ESTRUCTURAL.18UN SISTEMA PARA FABRICAR UN ARTICULO, QUE COMPRENDE: UNA MEZCLADORA ESTRUCTURADA PARA PREPARAR UNA MEZCLA MOLDEABLE QUE INCLUYA UN AGLUTINANTE DE POLIMERO ORGANICO, UN AGREGADO INORGANICO QUE TIENE UNA CONCENTRACION EN EL RANGO ENTRE 40 percent Y 98 percent EN VOLUMEN DEL TOTAL DE SOLIDOS EN LA MEZCLA, AGUA Y FIBRAS; MEDIOS PARA MOLDEAR LA MEZCLA MOLDEABLE EN LA FORMA DESEADA Y LOGRAR ESTABILIDAD DE FORMA EN MENOS DE UN MINUTO Y MEDIOS PARA ENDURECER LA MEZCLA EN LA FORMA DESEADA DEL ARTICULO. **Machine translation:** An article of manufacture having a structural CONRELLENO MATRIX INORGANIC ORGANIC comprising a binder dispersible in water; INORGANIC an aggregate having a concentration in the range between 40 percent and 98 percent by volume of the total solids in MATRIX FILLED STRUCTURAL INORGANIC; And a fibrous material, said structural matrix STUFFED WITH INORGANIC a thickness in the range between 0.01 nm and 20 nm.7UN method for making an article the method comprising the steps of: mixing an organic polymer binder, an aggregate inorganic WATER And fibers in order to form a moldable mixture, BEING INCLUDED IN THE AGGREGATE INORGANIC an amount within the range of between 40 percent and 98 percent by volume of the total solids in the mixture; Molding the mixture in stable shape of the article and curing the mixture into a stable form of the article, the article having MATRIX SYSTEM ESTRUCTURAL.18UN making an article, comprising: a STRUCTURED MIXER FOR PREPARING A moldable mixture including a binder ORGANIC POLYMER, INORGANIC an aggregate having a concentration in a range between 40 percent and 98 percent by volume of the total solids in the mixture, water and fibers; MEDIA MOLDEABLE molding the mixture into desired shape and form stability ACHIEVE IN LESS THAN ONE MINUTE AND MEANS FOR HARD MIX IN ARTICLE desired shape.

**Classifications:**  
**International (IPC 8-9):** A47G19/12 (Advanced/Invention);  
A47G19/00 (Core/Invention)  
**International (IPC 1-7):** A47G19/12

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CO4180428 A1       | 19950607         | CO19940005882      | 19940216         |

**Priority:**  
CO19940005882 19940216

**Probable Assignee:** E KHASHOGGI IND

**Assignee(s):** (std): E KHASHOGGI IND

**Assignee(s):** E KHASHOGGI INDUSTRIES

**Inventor(s):** (std): ANDERSEN PER JUST ; HODSON SIMON K

**Inventor(s):** JUST ANDERSEN PER ; SIMON K HODSON

**Agent(s):** XIMENA BONILLA PEREIRA

**6) Family number: 67490529 (CA2929508A)** © PatBase

**Title:** SMARTEST CITIES

**Abstract:** New models for cutting edge technologies to serve interests of super cities better. New products and services that a city should have that is helpful, healthy, and helps people perform and locals and tourists can enjoy.

**Classifications:**  
**International (IPC 8-9):** E04B1/00 E04H1/00 (Advanced/Invention)  
**CPC:** E04H1/00 A63G31/00

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CA2929508 AA       | 20171110         | CA20162929508      | 20160510         |

**Priority:**

CA20162929508 20160510

**Probable Assignee:**

VOON GERARD

**Assignee(s):** (std):

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**Inventor(s):** (std):

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**7) Family number: 45616768 (TW211230Y)**

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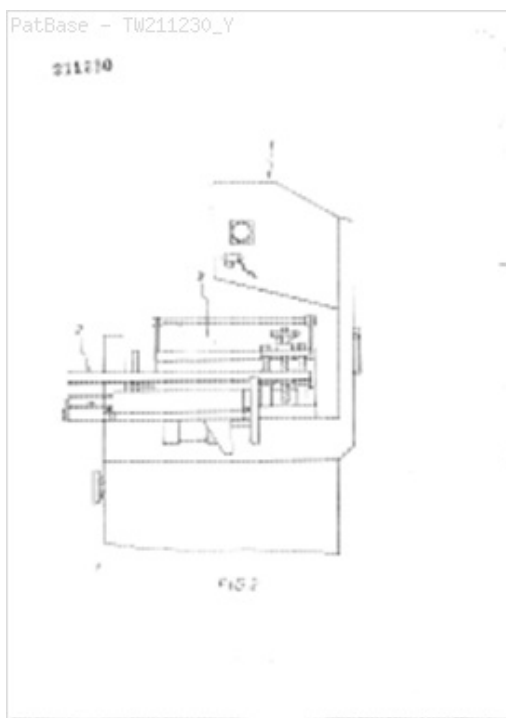
**Title:** Improvement completely automatic packing sealing machine structure (Machine translation)**Abstract:** Source: TW211230Y

**Machine translation:** This creation is one kind "improvement the completely automatic package of bag sealing machine structure", it because of the cellophane material place between the hoop left and right adjustment flange, may cause when the cellophane material replaces easy also adjusts the left and right appropriate position not to need the cellophane material to take down, then completes, also is dialed the cellophane round Zhang Gan with to assume brace of the kind of ?\_\_? shape to open the pole, but causes the cellophane to force to open cannot bind difficult, and promotes the cellophane smooth transportation and the packing; Furthermore, is equipped with a blow pipe slanting underneath the front conveyor belt front, the air hose air flush in the cellophane, makes the cellophane to inflate, lets on the conveyor belt want thing of the packing to be able more to draw close to the cellophane seal position, not only may save the material and cause to pack artistically; Next, in vertical, seals the knife both sides to install respectively horizontally has touches the board, is when the packing material completely has not transported through seals the knife 'OR' operation not careful hand puts in seals underneath the knife, touches the board first to touch the object to rise, simultaneously touches above the board the induction piece also along with it rise, covers the induction-type recently received switch, then the command packs the sealing machine emergency stop, guarantees the operator safety and the reduced packing material loss.

**Classifications:**

**International (IPC 8-9):** B65B11/00 B65B61/06 (Advanced/Invention);  
B65B11/00 B65B61/06 (Core/Non-invention)

**International (IPC 1-7):** B65B11/00 B65B61/06

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| TW211230 Y         | 19930811         | TW19920210158U     | 19920729         |

**Probable Assignee:**

QIUSHAO YI

**Assignee(s):**

QIUSHAO YI

**8) Family number: 43655984 (CO4930297A)**

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**Title:** MEJORAS A DISCOS DE ESMERIL IMPROVEMENTS TO GRINDING WHEELS (Machine translation)

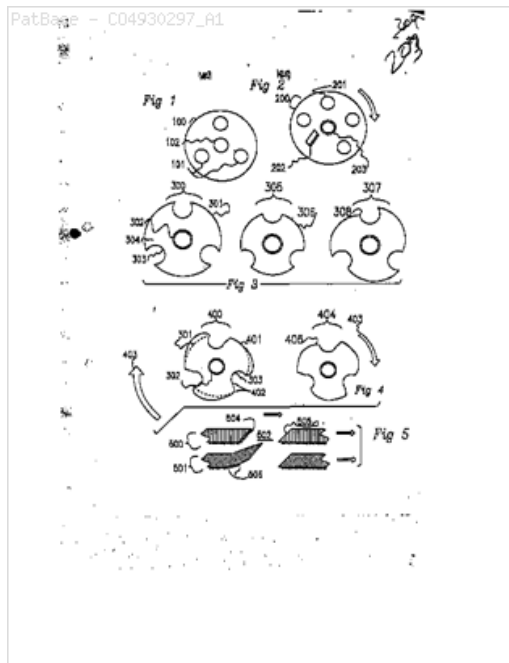
**Abstract:** Source: CO4930297A [ES] 1.- Un disco de esmeril que tiene una abertura de acople y una superficie que lleva abrasivo, dicho disco tambien tiene al menos una abertura de vision no concentrica a traves del disco dicha abertura tiene bordes de ataque y salida definidos por la direccion de la rotacion del disco mientras esta en uso, en donde el borde de salida es deformado fuera del plano de la superficie del disco que lleva abrasivo y hacia la superficie opuesta del disco.

**Machine translation:** 1. A grinding wheel having an aperture coupling and abrasive bearing surface, the disc also has at least one opening concentric no vision through said aperture disc has leading and trailing edges defined by the direction of the rotating disc during use, wherein the trailing edge is deformed out of the plane of the disc surface bearing abrasive and towards the opposite surface of the disc.

**Classifications:**

**International (IPC 8-9):** B65B3/00 (Advanced/Invention);  
B65B3/00 (Core/Invention)

**International (IPC 1-7):** B65B3/00



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| CO4930297 A1       | 20000627         | CO19970032912      | 19970613         |

#### Priority:

CO19970032912 19970613

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#### Agent(s):

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#### 9) Family number: 32478080 (FR2870824A)

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**Title:** PACKAGE FOR CONTAINING BULK GRANULAR PRODUCTS E.G. CEREALS, HAS CASE THAT IS MADE BY FOLDING AND STICKING SINGLE BLANK OF FIBROUS MATERIAL, AND INCLUDES BODY CONSTITUTING LATERAL WALLS

**Abstract:** The package has a pack integrated to a case that is made by folding and sticking a single blank of fibrous material. The case has a body constituting  $2n$  lateral walls (I-VII), where  $n$  is an integer greater than or equal to 3. Lower and upper parts closing the package are obtained by connecting  $2n$  triangular panels folded on their edges using gussets made of complementary panels by a scoring re-entering in the middle of the gussets.

#### Classifications:

**International (IPC 8-9):** B65D5/02 B65D5/06 B65D5/08 B65D5/468

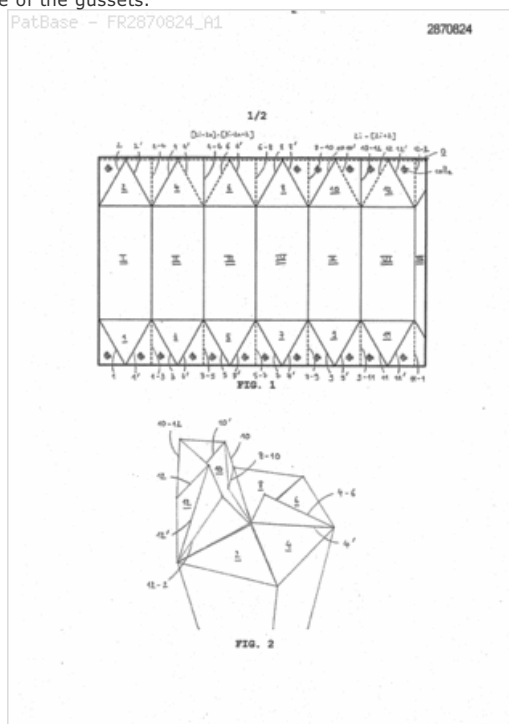
B65D5/56 B65D5/74 (Advanced/Invention);

B65D5/02 B65D5/46 B65D5/56 B65D5/74 (Core/Invention)

**International (IPC 1-7):** B65D5/08 B65D5/468 B65D5/56

**CPC:** B65D5/029 B65D5/06 B65D5/742

**European:** B65D5/02K B65D5/06 B65D5/74B1



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| FR2870824 A1       | 20051202         | FR20040005864      | 20040601         |

**Priority:**

FR20040005864 20040601

**Probable Assignee:**

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**Assignee(s):** (std):

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