

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO	
RAD: 13-123389- -6	FECHA: 2015-03-27 12:21:49
DEP: 2020 DIRECCION DE NUEVAS CREACIONES	EVE: 1 REGISTRO/DEPOSITO/CONCESION/DEPOSITO
TRA: 2 PATENTES DE INVENCION	FOLIOS: 4
ACT: 430 REQUERSOLICITA	

DIRECCIÓN DE NUEVAS CREACIONES

2020
Bogotá, D.C.,

Abogado(a)/Señor(a)
J. IAN RAISBECK

Asunto: Radicación: 13-123389- -6
Trámite: 2
Evento: 1
Actuación: 430
Oficio: 3310
Folios: 4

Patente de Invención	X			Patente de Modelo de Utilidad	
Vía Nacional	X				
Vía PCT (Fase Nacional)		Capítulo I		Capítulo II	
No. Solicitud Internacional					
Fecha de Presentación Internacional					

Como resultado del examen de fondo realizado, con fundamento en el Artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se comunica:

1. Documentos estudiados

Descripción:	Rad. N° 13-123389-00000-0000	20/mayo/2013
Reivindicaciones:	Rad. N° 13-123389-00000-0000	20/mayo/2013
Dibujos:	Rad. N° 13-123389-00000-0000	20/mayo/2013
Prioridad:	BR 2012/0119293	18/Mayo/2012

2. Análisis de la Prioridad

Se acepta la reivindicación de prioridad porque ésta solicitud fue presentada dentro del plazo establecido (Art. 9 D 486) y su contenido técnico corresponde con el de la prioridad reivindicada.

3. Objeto de la invención

De acuerdo con lo establecido en el numeral 1.2.2.2 del Capítulo Primero del Título X de la Circular Única para efectos del examen de patentabilidad, se tendrá en cuenta la tasa pagada por el solicitante al momento de comenzar el examen para las reivindicaciones adicionales; esto es que cuando la solicitud contenga más de diez (10) reivindicaciones y no se haya pagado la tasa complementaria, sólo se estudiarán las cubiertas por la tasa pagada. Por lo tanto, se estudiarán las reivindicaciones 1 a 13.

Título de la solicitud: "Mecanismo de movimiento para puertas de electrodomésticos" (Ver página 1 del radicado N° 13-123389-00000-0000).

El problema planteado en esta solicitud consiste en la necesidad de una configuración para puertas de electrodomésticos con apertura superior, que permita la correcta apertura de piezas de cualquier conformación perimetral, sin que haya interferencia entre la puerta y el gabinete, con estética y resistencia a esfuerzos constantes.

Para resolver este problema técnico, la solicitud en estudio proporciona un mecanismo de movimiento para puertas de electrodomésticos que comprende una base cooperante con la tapa fija, un soporte articulado cooperante con la base y la puerta, una estructura frontal presa, de forma móvil, a la base y al soporte articulado, una estructura posterior y elementos de pivotamiento cooperantes con la base, la estructura frontal, la estructura posterior y el soporte articulado.

El objeto de la presente solicitud se relaciona con la Clasificación Internacional de Patentes (CIP): D06F 37/10, 37/18, 37/28; E05D 11/10, 15/00; E05F 03/20; F16C 11/04.

4. De la solicitud de patente

Reivindicaciones (Art 30 D 486, Art 22 PCT)

Las reivindicaciones 3 a 5, 8 y 13 no están caracterizadas por sus características esenciales sino por resultados a alcanzar y/o funcionalidades definidos por los términos: "...se acoplan los elementos de pivotamiento (10) que prenden a estructura frontal (7)...para acople, de modo pivotante, de la estructura posterior... que se prenden al electrodoméstico" (Reiv. 3), "...que conecta dos cilindros longitudinales... que proporcionan el trabamiento entre las piezas." (Reiv. 4), "...por el hecho que la distancia entre el eje de rotación de la estructura frontal (7) con la base (6), y del eje de rotación de la estructura frontal (7) con el soporte articulado (9) promueve la elevación de la puerta (12) durante su apertura." (Reiv. 5), "...para acople y fijación de la puerta..." (Reiv. 8), "...por el hecho de comprender medios para permitir que el proceso de apertura de la puerta (12) simultáneamente genere un movimiento de elevación y de rotación el pivotamiento de dicha puerta (12)." (Reiv. 13). Es así que estos términos no definen características estructurales esenciales, puesto que la reivindicación incluiría no sólo la solución propuesta por el solicitante, sino todas las

alternativas presentes o futuras que lleguen a esos resultados. Se sugiere reemplazarlos por las características esenciales estructurales que contribuyen a la obtención de esos efectos. Es oportuno aclarar que, las funcionalidades pueden estar presente en la reivindicación pero no le pueden dar novedad y/o nivel inventivo a un producto, dado que, que cuando se reivindica un producto, las funcionalidades sirven para entender la relación que hay entre los diferentes elementos estructurales de un producto, pero son solo los elementos estructurales los que definen a dicho producto haciendo a las funcionalidades opcionales.

Las reivindicaciones 2 a 4, 6 a 11 no son claras porque presentan las oraciones “...comprender medios de interfaz...” (Reiv. 2), “...comprender...” (Reiv. 3), “...ser comprendida por...” (Reiv. 4), “...comprender una pieza...” (Reiv. 6), “...comprender sección...” (Reiv. 7), “...por el hecho del soporte articulado (9) comprender...” (Reiv. 8), “...por el hecho de la puerta (12) ser de vidrio.” (Rei. 9), “...por el hecho de los conectores comprender chazos cilíndricos.” (Reiv.10), “...por el hecho del sistema de parada de la puerta (12) comprender el asentamiento...” (Reiv. 11) mal redactadas o traducidos.

Las reivindicaciones 1 y 6 no son claras porque la expresión: “al menos”, “sustancialmente”, precediendo una característica no es limitativo, porque hacen opcional a la característica y no limita el alcance de la reivindicación. Se sugiere incluir las características opcionales o preferentes en una reivindicación dependiente.

El capítulo reivindicatorio no es conciso porque la reivindicación 13 reivindica la misma invención que el grupo de reivindicaciones 1 a 12, pero en términos de una función o resultado a obtener con los medios de apertura, lo cual no debería describir el producto.

Descripción (Art 28 D 486)

La descripción no es clara porque presentan las oraciones “...de conformación geométrica...” (Fl. 7) mal redactadas o traducidos.

5. Determinación del Estado de la Técnica

El estado de la técnica se determinó con base en la fecha de prioridad: 18 de Mayo de 2012 y no se encontraron documentos que divulguen en su totalidad la materia reivindicada en la reivindicación 1.

6. Conclusión

No se encontraron anterioridades que divulguen en su totalidad las características reclamadas en la reivindicación 1 y sus dependientes, sin embargo, es necesario que el solicitante realice las correcciones y/o aclaraciones a las objeciones de claridad del capítulo reivindicatorio.

En cumplimiento del artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se le indica que debe dar respuesta dentro del término de sesenta (60) días contados a partir del día siguiente de la fecha de notificación de la presente comunicación. En caso de no dar respuesta al presente requerimiento, o si a pesar de la respuesta subsistieran los impedimentos para la concesión, se denegará la patente.

Se invita al solicitante se sirva indicar, si así lo considera, su renuncia al término faltante de sesenta (60) días para dar respuesta a este requerimiento y presentarla por escrito.

Finalmente, se le recuerda al solicitante que si como respuesta a este requerimiento llegara a modificar el capítulo reivindicatorio y éste contenga más de diez (10) reivindicaciones, no pagará la tasa de modificación voluntaria pero sí la correspondiente al pago por reivindicación adicional.

Notifíquese el presente oficio conforme a lo dispuesto en el numeral 5.2, literal e), del capítulo quinto del título primero de la Circular Única No. 10 de 2001.



JOSÉ LUIS SALAZAR LÓPEZ
Director de Nuevas Creaciones (c)

El anterior requerimiento fue notificado por fijación en lista, de fecha 2015-03-31

Elaboró: Diana Melisa Avila

Revisó: Sonia Andrea Diaz Pirazan

Search history

Search 1: TAC=(door and (denise or machine or device)) (Results 100000)

Search 2: TAC=(door and (denise or machine or device) and (upper pr top)) (Results 0)

Search 3: TAC=(door and (denise or machine or device) and (upper p¿or top)) (Results 38985)

Search 4: TAC=(door and (denise or machine or device) and (upper or top)) and IC=(e05d or e05c or e05f) (Results 10573)

Search 5: TAC=(door and (appliance or machine or device) and (upper or top)) and IC=(e05d or e05c or e05f) (Results 10684)

Search 6: TAC=((joint or pivot) and door and (appliance or machine or device) and (upper or top)) and IC=(e05d or e05c or e05f) (Results 2356)

Search 7: TAC=((joint or pivot) and door and (appliance or machine or device) and (upper or top) and load) and IC=(e05d or e05c or e05f) (Results 146)

Search 8: TAC=((MECANISMO OR SISTEMA OR ARTICULACION) AND MOVIMIENTO AND PUERTA AND (ELECTRODOMESTICO OR MAQUINA)) (Results 163)

Title: **MAQUINA** LAVADORA DE CARROS DE INDUSTRIAS CARNICAS. WASHING MACHINE OF CARS OF MEAT INDUSTRIES. (Machine translation)

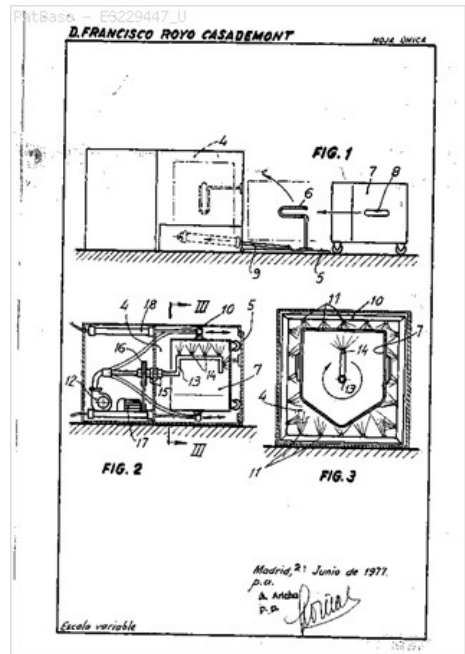
Abstract: Source: ES229447U **Maquina** lavadora de carros de industrias carnicas provistos en sus dos laterales de sendas nervaduras horizontales, caracterizada por comprender una camara preferentemente paralelepipedica y dotada en vea de sus caras verticales de unas **puerta** abatible a ras del suelo de cuya era interna emergen dos ganchos horizontales situados uno de otro a igual distancia que la anchura del carro a lavar, adaptados para que, al llegar el carro en cuestion y rodar sobre la **puerta** abatida, encajen en dichos ganchos las nervaduras del mismo, tras lo cual la **puerta**, accionada por cualquier **sistema** conocido, se eleva cerrandose y el carro queda introducido dentro de la camara suspendido de los citados ganchos de la **puerta**, habiendose previsto en el interior de la misma **aura** un marco movil tubular transversal dotado en su contorno interno de una pluralidad de boquillas, que reciben agua a presion por cualquier **sistema** conocido estando vinculado dicho marco a un **mecanismo** que le imprime un **movimiento** de vaivenpor lo que sus boquillas iran rociando, lavando y desinfectando la superficie externa del carro que habra quedado introducido holgadamente dentro del marco; asimismo, en el eje longitudinal horizontal de la camara, existe un brazo tubular en voladizo, acodado a modo de cigueenal, dotado en su dorso y frente de boquillas y que tiene en extremo libre orientado hacia la **puerta** de la camara, mientras que su extremo opuesto, ademas de estar conectado al citado **sistema** alimentador de agua a presion, sola o con desinfectantes, **esta** montado giratoriamente sobre cojinetes y vinculado a una transmision que, accionada por el oportuno electromotor, le imprimira **movimiento** giratorio el objeto que sus boquillas vayan rociando, lavando y desinfectando toda la superficie interna del carro en cuestion.

Machine translation: Machine washing of cars of industries meat provided in his two lateral with individual ribbings horizontal, characterized to include/understand camera preferredly paralelepipedica and equipped in sees of his faces vertical of door folding level with ground of whose was internal emerge two hooks horizontal located one from another one to equal distance that the width of the car to wash, adapted so that, when arriving the car at issue and rolling on the lowered door, fits in these hooks the ribbings of he himself, after which the door, driven by any known system, rises closing itself and the car is introduced within the suspended camera of the mentioned hooks of the door, having itself anticipated inside the same dawn a cross-sectional tubular movable frame equipped in its internal contour with a plurality of fuzes, that receive water to pressure by any well-known system being tie this frame to a mechanism that prints a vaivenpor movement to him which its Iran fuzes there being dew, washing and disinfecting the external surface of the car that habra been introduced comfortably within the frame; also, in the horizontal longitudinal axis of the camera, a tubular arm in projection, leaned as a cigueenal, equipped in its back and with fuzes exists in front and that it has in oriented free end towards the door of the camera, whereas its opposed end, besides to be connected to the mentioned nourishing water system to pressure, single or with disinfectants, this mounted revolving on tie bearings and to a transmission that, driven by the opportune electric motor, him imprimira revolving movement the object that their fuzes are sprinkling, washing and disinfecting all the internal surface of the car at issue.

Classifications:

International (IPC 8-9): A47L (Subclass/Invention)

International (IPC 1-7): A47L



Family:

Publication number	Publication date	Application number	Application date
ES229447 U	19770816	ES19770229447U	19770621
ES229447 Y	19771216	ES19770229447U	19770621

Priority:

ES19770229447U 19770621

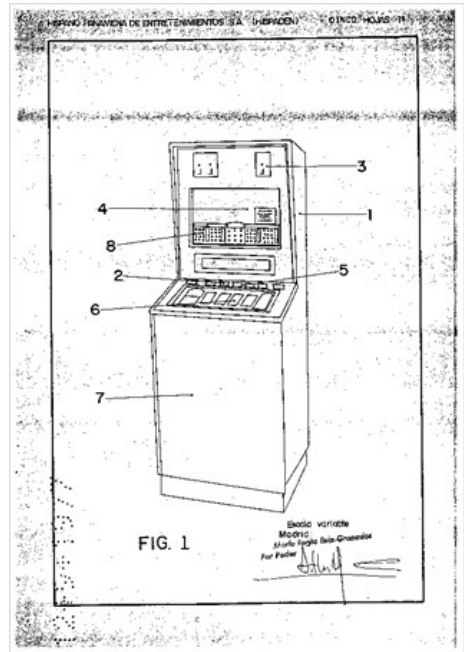
Assignee(s): ROYO CASADEMONT FRANCISCO

Title: APARATO PARA JUEGO DE AZAR. APPARATUS FOR CHANCE GAME. (Machine translation)

Abstract: Source: ES228598U Aparato para juego de azar, caracterizado por comprender una cara exterior un botan para el accionamiento motorizado do los tambores.,, une ranura para la introduccion de monedas un contador que indica la del premio ganado, pulsadores de recuperacion de mes nadie, una Ventanilla transparente, un marco frontal de la **puerta** de acceso el interior, un cuadro de premios co e obtener con contadores, en tanto que interiormente existen elementos de transmision automatica de **movimiento** los tambores giratorios,, un **mecanismo** de pago un dispositivo de contabilizacion de las premios,; contadores de monedas tomadas y por la **maquina** y los tambores giratorios preciaados.

Machine translation: Apparatus for game of chance, characterized to include/understand an outer face the drums., unites groove for the introduction of currencies an accountant who indicates the one of the gained prize, pulsers of recovery of month hurl for the motorized drive do nobody, a Window is transparent, a frontal frame of the access door the interior, a picture of prizes Co and to obtain with accountants, whereas inner the revolving drums exist elements of automatic transmission of movement, a payment mechanism a device of accounting of the prizes; accountants of taken currencies and by the appraised machine and revolving drums.

Classifications:
International (IPC 8-9): G07F (Subclass/Invention)
International (IPC 1-7): G07F



Family:

Publication number	Publication date	Application number	Application date
ES228598 U	19771101	ES19770228598U	19770519
ES228598 Y	19780301	ES19770228598U	19770519

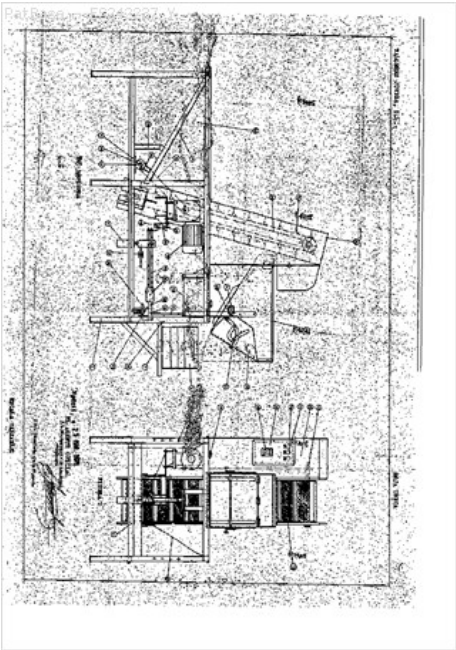
Priority:
ES19770228598U 19770519
Assignee(s): (std): HISPANO PANAMENA DE ENTRETENIM
Assignee(s): HISPANO PANAMENA DE ENTRETENIMIENTOS S A ; HISPANO PANAME A DE ENTRETENIMIENTOS S A

Title: MAQUINA PARA EMPACAR FRUTA AL GRANEL EN ENVASE DE PESO DE- TERMINADO. MACHINE FOR EMPACAR FRUIT TO THE BULK IN PACKAGE OF FINISHED WEIGHT OF. (Machine translation)

Abstract: Source: ES242237U Maquina para empacar fruta a granel en envases de peso determinado, caracterizada por el hecho de constar de un amazon provisto de atril de altura variable para la colocacion de los envases a llenar y de una tolva de almacenamiento en forma de prisma abierto por su parte superior y cuya base esta encharnelada a un eje que la hace seguir el movimiento de sube y baja provocado por la seccion de una excentrica de movimiento coordinado con el mismo movimiento del elevador de alimentacion cuyos cangilones de diseno especial, desfilan por delante de la boca de descarga de la tolva anteriormente citada y que en su cambio de direccion entregan la fruta tomada en una tolva de recepcion en forma de caja prismatica con la parte superior abierta y un lateral en bisagra hace la funcion de la puerta de salida y entrega y cuya puerta presenta dos laterales que impiden que la fruta se salga de la tolva a no ser verticalmente hacia abajo y que esta accionada por un mecanismo de levas y contacto para detectar la posicion de puerta cerrada y que solamente se debe abrir cuando se alcance el peso calculado que se mide por un elemento de pesaje consistente en una leva con fulcro de sistema de cuchillo cuyo brazo resistente incorpora un contrapeso fijo y dos varillas unidas a este contrapeso, sobre los que se desliza un juego de pesas que sirven para regular el peso deseado, con un segundo peso para ajuste de pequenas diferencias, mientras que el brazo de potencia dispone de un punto de contacto en forma de cuchillo, sobre el que descansa una leva que actua al flexionar dos planchas que sirven de soporte a la tolva de recepcion y como el brazo resistente esta provisto de un actuador actua sobre uno de los dos contactos a tenor del peso de fruta en la mencionada tolva.

Machine translation: Machine to empacar fruit in packages of weight in bulk determined, characterized by the fact to consist of a frame provided with lectern of variable height for the positioning of the packages to fill and of a hopper of storage in form of superior and whose base this encharnelada to an axis that makes follow the movement of raises and low open prism on the other hand caused by the section of an eccentric of movement coordinated with he himself movement of the feeding elevator whose buckets of special design, march past in front of the mouth of unloading of the hopper previously mentioned and that in their change of direction gives the fruit taken in a hopper of reception in box form prismatic with the open superior part and a lateral one in hinge makes the function of the exit door and gives and whose door presents/displays two lateral ones that they prevent that the fruit vertically leaves the hopper not to be downwards and that this driven by a mechanism of levies and contact to detect the position of closed door and that is only due to open when the calculated weight is reached that is moderate by an element of consisting of pesaje a levy with fulcro of knife system whose resistant arm incorporates a counterbalance fixed and two rods together with this counterbalance, on that slides a game of weights that serve to regulate the weight wished, with a second weight for adjustment of small differences, whereas the power arm has a meeting point in knife form, on which a levy rests that acts when flexionar two plates that serve as support the reception hopper and as the resistant arm this provided with an actuador acts both on one of contacts in accordance with the weight of fruit in the mentioned hopper.

Classifications:
International (IPC 8-9): B65B25/04 (Advanced/Invention);
B65B25/02 (Core/Invention)
International (IPC 1-7): B65B25/04



Family:

Publication number	Publication date	Application number	Application date
ES242237 U	19790701	ES19790242237U	19790323
ES242237 Y	19800201	ES19790242237U	19790323

Priority:

ES19790242237U 19790323 ES19790242237U 19790323

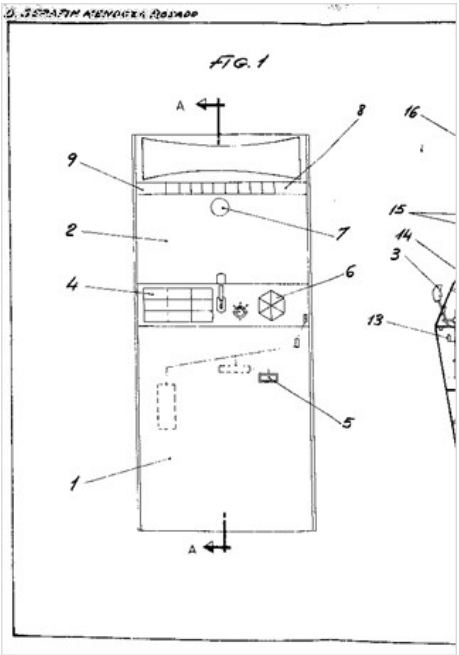
Assignee(s): TALLERES JUVISA S L

Title: **MAQUINA** DE ENTRETENIMIENTO ENTERTAINMENT MACHINE (Machine translation)

Abstract: Source: ES246389U 1. **Maquina** de entretenimiento caracterizado por comprender un conjunto estructural formado por un mueble, en cuya parte anterior externa se distinguen dos zonas: una inferior, que incluye, en su parte superior, un **mecanismo** de introducción de monedas, una palanca de control de actuación del **sistema** y una panel señalizador, así como, en la zona mas inferior, un plato de pago de premios y una **puerta** con cerradura de acceso a la caja de recogida de monedas; en este modulo se encuentran tambien interiormente el panel de circuitos logicos, que incluye un circuito impreso principal y un **mecanismo** de pago, así como un microinterruptor de puesta en funcionamiento del conjunto; el modulo superior de la **maquina**, cerrado por vidrios transparentes y con la parte posterior inclinado, comprende nueve canales y a la mitad de la altura de las mismas, y posteriormente, una línea de nueve interruptores de pelo, que al cerrarse actúan el rele de cierre de un circuito; en la parte inferior hay un canal pararecogida de la bola jugada y un pivote de retención de bolas jugadas, con el suelo en pendiente acabada en un canal donde se apoya el tramo del tubo de aspiración, la cual se realiza por efecto Venturi, por lo que el tramo vertical del tubo va acoplado en su parte inferior a la boca del tubo va acoplado en su parte inferior a la boca del turbo-impulsador centrifugo, disponiendo el tubo de una zona de adaptador de fuelle, y en su parte superior, un fijado con una abrazadera accionable por la palanca de mando, lo que permite establecer el angulo de alzado preciso para enfilar un taladro realizado en el techo inclinado; el tubo, por debajo de la junta elastica de adaptación, dispone de un taladro por el que pasa un pivote accionado por una bobina, que es actuada mediante el pulsador de la palanca d mando, el cual pivote retiene la bola hasta que la bobina es activada, en tanto que la bola disparada que no da en el blanco cae de nuevo a la placa inclinada, siendo aspirada por el tubo merced a la depresion que se produce al estrangularse al flujo de aire de impulsión por disminución de la seccion del tubo en este punto. 2. **Maquina** de entretenimiento, según la reivindicación 1, caracterizada por el hecho de que en la zona superior de la placa inclinada va instalado un tablero de madera tambien inclinado, aunque de inferior longitud, para permitir escapar el aire impulsado por el ventilador, yendo instalado en el tablero un pequeño motorreductor sincrónico, que acciona una rueda y dispone de unos deflectores con hueco de paso, iniciándose en la part inferior del tablero los nueve canales, bordeando la circunferencia de la rueda; una línea circunferencial de nueve microinterruptores son de plastico, coincidiendo en cada caso con la posición del hueco del deflector inferior respecto al canal correspondiente. 3. **Maquina** de entretenimiento, según las reivindicaciones anteriores, caracterizada por el hecho de que un panel de indicación va situada en la parte superior anterior de la **maquina**, constituido por nueve recuadros, en tanto que en el juego, siendo constituido por nueve compartimentos, actuados independientemente al cerrarse el correspondiente rele, sirviendo la palanca de control del **sistema** para orientar el tubo, así como para disparar la bola mediante el pulsador. 4. **Maquina** de entretenimiento, según la reivindicaciones anteriores, caracterizada por el hecho de que la moneda, al salir del **mecanismo** de introducción, cae a un canal que la conduce a un tubo vertical de almacenamiento, actuando al caer el microinterruptor de puesta en marcha de la **maquina**, pero si el tubo de almacenamiento esta lleno la moneda cae a un conducto de recogida que la lleva a la caja de recaudación, finalizando el tubo de almacenamiento sobre un taladro sobre una pletina guiada, la cual tiene un **movimiento** longitudinal accionada por la bobina de pago. 5. **Maquina** de entretenimiento, según las reivindicaciones anteriores, caracterizada por el hecho de que el panel de circuitos logicos esta compuesto de dos partes: una entrada que dispone de un transformador rectificador para alimentar los circuitos y un motor de pago, constituido por un motorreductor sincrónico, que acciona un contacto móvil, que a su vez se desliza por una serie de contactos fijos, cerrando progresivamente los circuitos a las diferentes combinaciones de premios. 6. **Maquina** de entretenimiento.

Machine translation: 1. Machine of characterized entertainment to include/understand a structural set formed by a furniture, in whose external forebody two zones are distinguished: an inferior one, that it includes, in its superior part, a mechanism of introduction of currencies, a control lever of performance of the system and a panel signaler, as well as, in the inferior zone but, a plate of payment of prizes and a door with lock of access to the box of collection of currencies; in this I modulate also are inner the panel of logic circuits, that it includes a printed circuit main and a mechanism of payment, as well as a microswitch of put into operation of the set; I modulate superior of the machine, closed by glasses I am transparent and with the inclined later part, it in the middle of includes/understands nine canals and the height of the same ones, and later, a line of nine switches of hair, who when closing itself act the relay of closing of a circuit; in the inferior part there is a pararecogida channel of the played ball and a pivot of retention of played balls, with the slope ground finished in a channel where one leans the section of the tube of aspiration, which is made by Venturi effect, reason why the vertical section of the tube goes connection in its inferior part to the mouth of the tube goes connection in its inferior part to the mouth of I disturb-impulsador I centrifuge, having the tube a zone of adapter of bellows, and in its superior part, fixing with a actionable clip by the control lever, which allows to establish the angle of precious cash settlement to line up a drill made in the inclined ceiling; the tube, below the elastic meeting of adaptation, has a drill through which it passes a pivot driven by a coil, that is acted by means of the pulser of handle d control, which pivot retine the ball until the coil is activated, whereas the shot ball that it does not hit the target falls again to the inclined plate, being aspired by the tube thanks to the depression that takes place when strangling to the air flow of impulsión by diminution of the section of the tube in this point. 2. Machine of entertainment, according to vindication 1, characterized by the fact that in the superior zone of the inclined plate it goes installed a wood board also inclined, although of inferior length, to allow to save the air impelled by the ventilator, going installed in the board a small motorreductor synchro, that drives a wheel and has baffle plates with step hollow, beginning in part inferior of the board the nine channels, bordering the circumference of the wheel; a circumferential line of nine microinrruptores is of plastic, agreeing in each case with the position of the hollow of the inferior baffle plate with respect to the corresponding channel. 3. Machine of entertainment, according to the previous vindications, characterized by the fact that an indication panel goes located in previous the superior part of the machine, constituted by nine boxes, whereas in the game, being constituted by nine compartments, acted independently when closing itself the corresponding relay, serving the control lever as the system to train the torpedo tube, as well as to shoot the ball by means of the pulser. 4. Machine of entertainment, according to the previous vindications, characterized by the fact that the currency, when leaving the introduction mechanism, falls to a channel that leads it to a vertical tube of storage, acting when falling the microswitch of beginning of the machine, but the storage tube this plenty the currency falls to a collection conduit that takes it to the box of collection, finalizing the storage tube on a drill on a guided billet, which has a movement toward the front driven by the payment coil. 5. Machine of entertainment, according to the previous vindications, characterized by the fact that the panel of logic circuits this compound of two parts: entrance that has a rectifying transformer to feed the circuits and motor of payment, constituted by motorreductor synchro, which it drives a movable contact, that slide as well by a series of fixed contacts, progressively closing the circuits to the different combinations from prizes. 6. Machine of entertainment.

Classifications:
International (IPC 8-9): G07F17/32 (Advanced/Invention);
G07F17/32 (Core/Invention)
International (IPC 1-7): G07F17/32



Family:

Publication number	Publication date	Application number	Application date
ES246389 U	19800701	ES19790246389U	19791024
ES246389 Y	19801216	ES19790246389U	19791024

Priority:

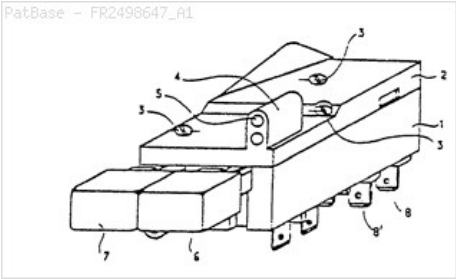
ES19790246389U 19791024

Assignee(s): MENDOZA ROSADO SERAFIN

Title: A safety device for washing machine doors, consisting of a compact structural unit which is arranged in a housing (1, 2)...

Abstract: A safety device for washing machine doors, consisting of a compact structural unit which is arranged in a housing (1, 2) and has two push buttons (6, 7), one of which is used to switch the current on and the other of which is used to open the door. A simple mechanical interlock and the switching of circuits, in conjunction with the door opening mechanism and the electrical circuits, especially the current supply to the spin-drier motor and to the program switch, are used to prevent it being possible to open the door when the drum is rotating. A thermo-electric delay device provides safety even at high spin-drier speeds.

Classifications:
International (IPC 8-9): D06F37/42 (Advanced/Invention);
D06F37/00 (Core/Invention)
International (IPC 1-7): D06F37/42 D06F39/14 F16P3/08 H05B1/02
CPC: D06F37/42
European: D06F37/42



Family:

Publication number	Publication date	Application number	Application date
DE3201196 A1	19820805	DE19823201196	19820116
DE3201196 C2	19880609	DE19823201196	19820116
ES262729 U	19820701	ES19820262729U	19820122
ES262729 Y	19830116	ES19820262729U	19820122
FR2498647 A1	19820730	FR19810001217	19810123
FR2498647 B3	19831028	FR19810001217	19810123
IT1195908 A	19881103	IT19820019246	19820122
IT8219246 A0	19820122	IT19820019246	19820122

Priority:

FR19810001217 19810123

Assignee(s): (std): ITT ; ITT COMPOSANTS INSTR ; ITT COMPOSANTS INSTRUMENTS ; ITT IND GMBH DEUTSCHE

Assignee(s): ITT INDUSTRIES INC ; ITT INDUSTRIES INC NEW YORK N Y US ; DEUTSCHE ITT INDUSTRIES GMBH

Inventor(s): (std): GINGUENAUD PIERRE MAURICE ; LEROYER PHILIPPE PAUL LUC

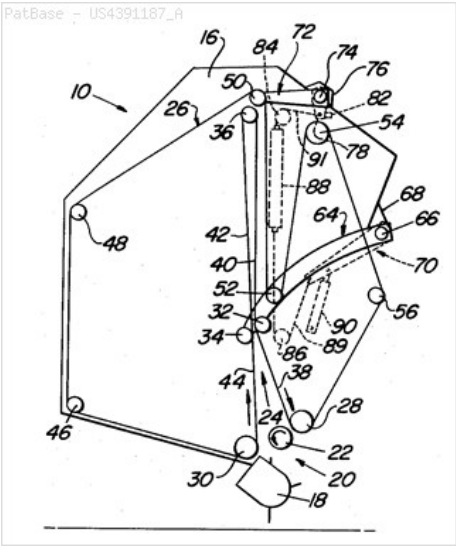
Inventor(s): LEROYER PHILIPPE PAUL LUC DOLE FR ; LUC LEROYER PHILIPPE PAUL ; MAURICE GINGUENAUD PIERRE ; PHILIPPE PAUL LUC LEROYER ; PIERRE MAURICE GINGUENAUD ; PIERRE MAURICE GINGUENAUD ET PHILIPPE PAUL LUC... ; PIERRE MAURICE GINGUENAUD ET PHILIPPE PAUL LUC LER

Title: Belt-tensioning system for round balers

Abstract: Source: US4391187A A round baler of typical construction has a novel belt and roll system arranged to provide a pair of lower rolls from which oppositely running stretches extend upwardly to a pair of closely spaced apart intermediate rolls which are journaled on a carrier means which in turn is movable upwardly as bale size increases between the oppositely running stretches. The bale is confined below the two intermediate rolls while other stretches of the belt are trained about additional rolls enabling deflecting of the chamber-forming stretches during bale formation. Control means is provided to act on the carrier to control upward movement of the carrier means and thus to control bale density in an improved and efficient manner. The control means further includes hydraulic means tied in with the hydraulic means that controls the bale-discharge gate.

Classifications:

International (IPC 8-9): A01F15/00 A01F15/07 A01F15/08 (Advanced/Invention)
International (IPC 1-7): A01D37/00 A01D39/00 A01F15/00 A01F15/08 A01F15/18 B30B5/06
CPC: A01F15/0833 A01F15/07 A01F2015/078 A01F2015/0795
European: A01F15/07 A01F15/08C1 K01F15/07H K01F15/07M
US: 100/40 100/88 56/341



Family:

Publication number	Publication date	Application number	Application date
AU198287457 A1	19830414	AU19820087457	19820820
AU198316719 A1	19840209	AU19830016719	19830711
AU545119 B2	19850627	AU19820087457	19820820
AU556878 B2	19861120	AU19830016719	19830711
AU8745782 A1	19830414	AU19820087457D	19820820
CA1180942 A1	19850115	CA19820410549	19820901
CA1212578 A1	19861014	CA19830433878	19830804
DE3371028 D1	19870527	DE19833371028	19830804
EP0076502 A2	19830413	EP19820109148	19821004
EP0076502 A3	19830629	EP19820109148	19821004
EP0102530 A1	19840314	EP19830107682	19830804
EP0102530 B1	19870422	EP19830107682	19830804
ES516181 A1	19831001	ES19820516181	19821004
ES524782 A1	19850101	ES19830524782	19830805
ES8308672 A1	19831216	ES19820516181	19821004
ES8502312 A1	19850401	ES19830524782	19830805
MX155713 A	19880414	MX19820194146	19820825
US4391187 A	19830705	US19810308223	19811005
US4433619 A	19840228	US19820405966	19820806

Priority:

US19810308223 19811005 US19820405966 19820806 CA19820410549 19820901
CA19830433878 19830804

Assignee(s): (std): DEERE AND CO

Assignee(s): DEERE AND CO A CORP OF DE ; DEERE AND COMPANY ; KONING RICHARD W ; MEIERS GERALD F ; ANSTEY HENRY D

Inventor(s): (std): ANSTEY HENRY D ; ANSTEY HENRY DENNIS ; KONING RICHARD W ; KONING RICHARD WILLIAM ; MEIERS GERALD F ; MEIERS GERALD FRANKLYN ; NEIERS GERALD FRANKLYN

Inventor(s): RICHARD WILLIAM KONING ; GERALD FRANKLYN MEIERS ; GERALD FRANKLYN NEIERS ; HENRY DENNIS ANSTEY

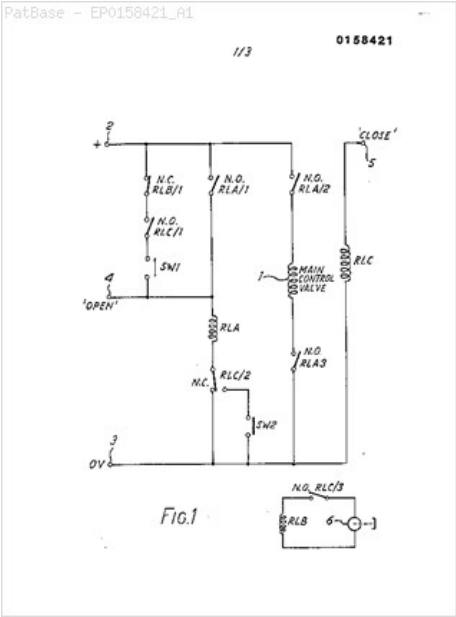
Designated states: DE FR GB IT

Title: DOOR CLOSE MECHANISM.

Abstract: Source: EP0158421A1 A control mechanism for the actuator (10) of powered door, e.g and "underground" or metro railway vehicle includes means (17, 20, 21, 23, 25) for interrupting and reversing a door closing operation upon detection of an obstruction. The motion of the door is sensed by a motion detector (18) and when halted a control sequence is initiated which at least partially re-opens the door and automatically recycles the door until the obstruction is cleared.

Classifications:

International (IPC 8-9): B61B1/02 B61D19/02 E05F15/00
H02H7/085 (Advanced/Invention);
B61B1/00 B61D19/00 E05F15/00 H02H7/085 (Core/Invention)
International (IPC 1-7): B61B1/02 B61D19/02 E05F15/00 E05F15/04 E05F15/06 E05F15/20
CPC: H02H7/0851 E05Y2400/554 E05F15/40 E05F15/41 E05Y2900/51
European: E05F15/00B2 H02H7/085B P05F15/00B P05Y400/554 P05Y900/510



Family:

Publication number	Publication date	Application number	Application date
EP0158421 A1	19851016	EP19850301176	19850222
ES540713 A1	19851201	ES19850540713	19850226
ES8603013 A1	19860316	ES19850540713	19850226
GB2155097 A1	19850918	GB19840005039	19840227
GB2155097 B2	19870107	GB19840005039	19840227
GB8405039 A0	19840404	GB19840005039	19840227
HK41687 A	19870605	HK19870000416	19870528
JP60215462 A2	19851028	JP19850037331	19850226
SG8790239 A	19870710	SG19870090239	19870309

Priority:

GB19840005039 19840227

Assignee(s): (std): WESTINGHOUSE BRAKE AND SIGNAL

Assignee(s): WESTINGHOUSE BRAKE AND SIGNAL CO LTD ; WESTINGHOUSE BRAKE AND SIGNAL COLTD ; WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED

Inventor(s): (std): MAIKERU JIYON UIRUKINZU ; WILKINS MICHAEL JOHN

Inventor(s): MICHAEL JOHN WILKINS

Designated states: AT BE CH DE FR IT LI LU NL SE

Title: Machine for forming cylindrical bales of crop

Abstract: Source: US4779526A A baling machine for forming large cylindrical bales of hay has a variable volume baling chamber defined by moving belts with a crop inlet on the underside of the machine. When a bale has been completed it is wrapped with surface wrapping material stored in a holder on the back of the baler. The wrapping material is advanced by feed rolls through a cutting mechanism below the holder, and is thus guided by a plate extending along the underside of a run of the belts to the baling chamber. In order to avoid wasting wrap, a cutter is triggered by a peg carried by a metering wheel movable between an adjustable "home" position against an abutment or stop to a trigger position in which it engages and lifts a release lever to release the cutter, and this distance is a measure of the length of wrap material required for the completed bale. In respective embodiments, the metering wheel is in the form of a friction wheel, a worm wheel and a ratchet wheel with all wheels being selectively driven by one of the feed rolls.

Classifications:

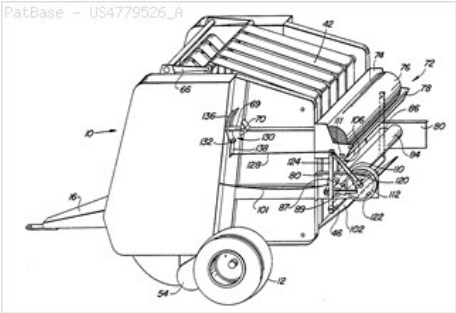
International (IPC 8-9): A01F15/00 A01F15/07 A01F15/08 A01F15/14 B65B11/00 B65B11/56 (Advanced/Invention); A01F15/00 (Advanced/Non-invention); B65B11/00 (Core/Invention)

International (IPC 1-7): A01D91/00 A01F15/00 A01F15/08 A01F15/14 B30B3/04 B30B9/00 B65B11/00 B65B11/56 B65B13/20 B65B63/04

CPC: A01F15/0715 A01F2015/076

European: A01F15/07D1 K01F15/07D11

US: 100/5 100/6 100/88 53/118 56/341



Family:

Publication number	Publication date	Application number	Application date
AU198769726 A1	19870910	AU19870069726	19870305
AU595860 B2	19900412	AU19870069726	19870305
CA1271405 A1	19900710	CA19870531156	19870304
CA1305357 A1	19920721	CA19880556848	19880119
DE3676189 D1	19910124	DE19863676189	19860619
DE3771363 D1	19910822	DE19873771363	19870214
DE3772409 D1	19911002	DE19873772409	19870214
EP0235650 A2	19870909	EP19870102104	19870214
EP0235650 A3	19880107	EP19870102104	19870214
EP0235650 B1	19910828	EP19870102104	19870214
EP0238706 A2	19870930	EP19860108374	19860619
EP0238706 A3	19880113	EP19860108374	19860619
EP0238706 B1	19901212	EP19860108374	19860619
EP0239761 A2	19871007	EP19870102103	19870214
EP0239761 A3	19880107	EP19870102103	19870214
EP0239761 B1	19910717	EP19870102103	19870214
ES2002977 AF	19881001	ES19870000556	19870302
GB2187416 A1	19870909	GB19870002291	19870202
GB2187416 B2	19891115	GB19870002291	19870202
GB2189189 A1	19871021	GB19860005466	19860305
GB2189189 B2	19891108	GB19860005466	19860305
GB2208157 A1	19890308	GB19870002292	19870202
GB2208157 B2	19900822	GB19870002292	19870202
GB8605466 A0	19860409	GB19860005466	19860305
GB8702291 A0	19870311	GB19870002291	19870202
GB8702292 A0	19870311	GB19870002292	19870202
JP62259512 A2	19871111	JP19870051192	19870305
MX161800 A	19901228	MX19870005485	19870305
US4779526 A	19881025	US19870138248	19871228
US4813348 A	19890321	US19870020417	19870302

Priority:

GB19860005466 19860305 EP19860108374 19860619 GB19870002291 19870202
GB19870002292 19870202 CA19870531156 19870304 CA19880556848 19880119

Assignee(s): (std): DEERE AND CO ; FRERICH JOSEF

Assignee(s): VIAUD JEAN ; DEERE AND CO A CORP OF DE ; DEERE AND CO MOLINE ILL US ; DEERE AND COMPANY

Inventor(s): (std): FRERICH JOSEF ; VIAUD JEAN ; YOOZEFU FRERITTSUHI ; JIYAN BUIODOO

Inventor(s): JEAN VIAUD ; FRERICH JOSEF W 6661 DIETRICHINGEN DE ; JOSEF FRERICH ; VIAUD JEAN F 57200 SARREGUEMINES FR ; FRERICH JOSEF D 6661 DIETRICHINGEN DE

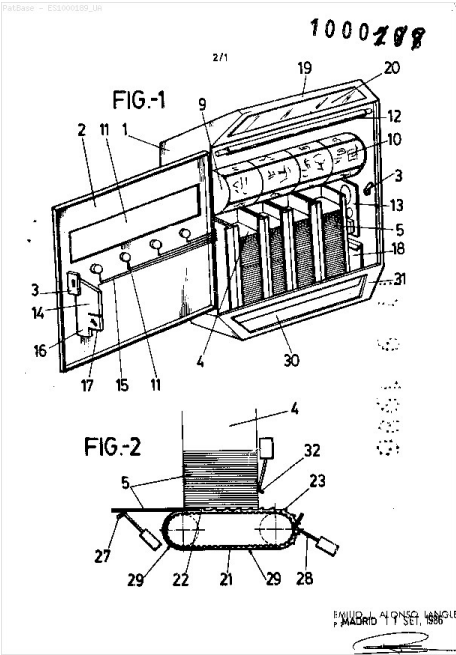
Designated states: DE ES FR GB IT NL

Title: **MAQUINA** ACCIONADA POR MONEDA PARA AUTOVENTA DE POSTALES MACHINE DRIVEN BY CURRENCY FOR AUTOVENTA OF POSTAL (Machine translation)

Abstract: Source: ES1000189U **MAQUINA** ACCIONADA POR MONEDA PARA AUTOVENTA DE POSTALES, ESENCIALMENTE CARACTERIZADA POR INCORPORAR UNA PLURALIDAD DE ALMACENES EN NUMERO VARIABLE Y ADOSADOS LATERALMENTE, DESTINADOS A RECIBIR POR APILAMIENTO RESPECTIVOS GRUPOS DE POSTALES, DE SECCION ACORDE CON EL TAMANO DE ESTAS ULTIMAS Y DE ALTURA ACORDE CON EL TAMANO DE ESTAS ULTIMAS Y DE ALTURA ACORDE A SU VEZ CON LA AUTONOMIA PREVISTA PARA LA **MAQUINA**, EN CORRESPONDENCIA CON CADA UNO DE CUYOS ALMACENES DICHA **MAQUINA** INCORPORA SUPERIORMENTE MEDIOS INDICADORES DE LAS POSTALES QUE SE ENCUENTRAN EN DICHO ALMACEN, E INFERIORMENTE MEDIOS SUMINISTRADORES DE LAS MISMAS, ACCIONADOS POR EL CORRESPONDIENTE CIRCUITO DE CONTROL, PREVIA INTRODUCCION DE UNA MONEDA DEBIDAMENTE REVALIDADA POR EL TAMBIEN CORRESPONDIENTE SELECTOR, CON LA ESPECIAL PARTICULARIDAD DE QUE EN CADA ALMACEN SE ESTABLECEN BLOQUES O LOTES DE VARIAS POSTALES DIFERENTES ENTRE SI Y DIFERENTES TAMBIEN A LAS DE LOS BLOQUES O LOTES CORRESPONDIENTES A OTROS ALMACENES PERO SIENDO TODOS LOS LOTES DE CADA ALMACEN IDENTICOS ENTRE SI, HABIENDOSE PREVISTO ADEMAS QUE CADA UNO DE ESTOS LOTES ESTE ASISTIDO POR UNA ENVOLVENTE QUE CONFIERE UN CARACTER MONOPIZA A LAS POSTALES PARTICIPANTES EN EL MISMO, CONSTITUYENDO UNA UNIDAD DE VENTA Y QUE FACILITA EL DESPLAZAMIENTO LATERAL DEL MISMO, MEDIANTE EMPUJE DE LOS MEDIOS SUMINISTRADORES Y FRENTE A LA CARGA DEL APILAMIENTO DE LOTES ESTABLECIDOS POR ENCIMA DE EL EN TODA O PARTE DE LA ALTURA DEL ALMACEN.

Machine translation: MACHINE DRIVEN BY CURRENCY FOR AUTOVENTA OF POSTAL, ESSENTIALLY CHARACTERIZED TO INCORPORATE A PLURALITY OF WAREHOUSES IN I NUMBER VARIABLE AND LEANED LATERALLY, DESTINED TO RECEIVE BY PILING UP RESPECTIVE POSTAL GROUPS, OF AGREED SECTION WITH THE SIZE OF THESE YOU COMPLETE AND OF AGREED HEIGHT WITH THE SIZE OF THESE YOU COMPLETE AS WELL AND AGREED HEIGHT WITH THE AUTONOMY ANTICIPATED FOR THE MACHINE, IN CORRESPONDENCE WITH EACH ONE OF WHOSE WAREHOUSES THIS MACHINE SUPERIOR INCORPORATES AVERAGE INDICATORS OF THE POSTAL THAT ARE IN THIS WAREHOUSE, AND INFERIORLY AVERAGE PROVIDERS OF THE SAME ONES, DRIVEN BY THE CORRESPONDING CIRCUIT OF CONTROL, PREVIOUS INTRODUCTION OF A CURRENCY PROPERLY REVALIDADA BY ALSO THE CORRESPONDING SELECTOR, WITH THE SPECIAL PARTICULARITY OF WHICH IN EACH WAREHOUSE BLOCKS OR LOTS OF SEVERAL POSTAL DIFFERENT AND TO EACH OTHER DIFFERENT FROM THOSE FROM THE BLOCKS OR LOTS CORRESPONDING TO OTHER WAREHOUSES ALSO SETTLE DOWN BUT BEING ALL THE IDENTICAL LOTS OF EACH WAREHOUSE TO EACH OTHER, HAVING ITSELF ANTICIPATED IN ADDITION THAT EACH ONE TO THESE LOTS THIS ATTENDING BY A SURROUNDING ONE THAT CONFERS A CHARACTER MONOPIZA TO THE PARTICIPANT POSTAL IN HE HIMSELF, CONSTITUTING A UNIT OF SALE AND WHO FACILITATES THE LATERAL DISPLACEMENT OF HE HIMSELF, BY MEANS OF PUSH OF THE AVERAGE PROVIDERS AND IN FRONT OF THE LOAD OF THE PILING UP OF LOTS ESTABLISHED OVER IN EVERYTHING OR LEAVES FROM THE HEIGHT OF THE WAREHOUSE.

Classifications:
International (IPC 8-9): G07F11/04 (Advanced/Invention);
G07F11/04 (Core/Invention)
International (IPC 1-7): G07F11/4



Family:

Publication number	Publication date	Application number	Application date
ES1000189 UA	19880216	ES19860000467U	19860911
ES1000189 Y1	19891001	ES19860000467U	19860911
ES1000189 YA	19891001	ES19860000467U	19860911

Priority:
ES19860000467U 19860911

Assignee(s): TECNICAS DE EDIFICACIONES COMERCIALES S A (TEC S A) ; TECNICAS DE EDIFICACIONES COMERCIALES S A TEC S A
Inventor(s): RIPOLLES CARBONELL DAMIAN

Title: Automatic popcorn dispensing machine.

Abstract: Source: EP0265361A2 The invention concerns an automatic popcorn dispensing machine which incorporates at its upper part a transparent deposit (2) for the corn grains, with a filling cover (4) and the corresponding lock (5), at its bottom a dosifier (7) of the corn towards the mechanisms of conformation of the popcorns, to which mechanisms accedes (22) an air current from the outside which, after the formation of the popcorns, impulses them through another conduit (24) towards a deflector nozzle (26) which supplies the finished product, being the mechanisms of the machine, not only those of dosification (7) of the product but also those of elaboration of same, controlled by an electronic circuit which is activated after the introduction of a coin through the corresponding selector (27).

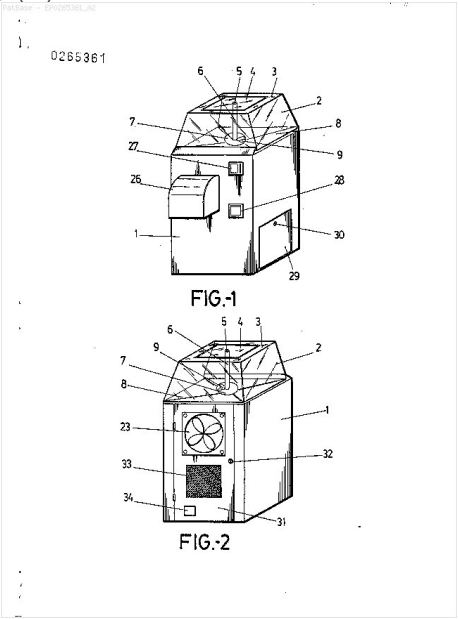
Classifications:

International (IPC 8-9): A23L1/18 G07F11/44 G07F9/10 (Advanced/Invention)

International (IPC 1-7): A23L1/18 G07F11/44 G07F13/02 G07F9/10

CPC: A23L1/1815 G07F11/44 G07F17/0078 G07F17/0085

European: A23L1/18C6B G07F11/44 G07F17/00F4 G07F17/00F4B



Family:

Publication number	Publication date	Application number	Application date
EP0265361 A2	19880427	EP19870500067	19871021
EP0265361 A3	19881228	EP19870500067	19871021
ES1000846 UA	19880401	ES19860000891U	19861022
ES1000846 Y1	19900216	ES19860000891U	19861022
ES1000846 YA	19900216	ES19860000891U	19861022

Priority:

ES19860000891U 19861022

Assignee(s): (std): COIEX SA

Assignee(s): MESTRE VIADIU PEDRO ; COIEX S A

Inventor(s): (std): GÁLGERAN MARTORELL CARLOS

Designated states: AT BE CH DE FR GB GR IT LI LU NL SE

Search history

Search 1: TAC=(door and (denise or machine or device)) (Results 100000)

Search 2: TAC=(door and (denise or machine or device) and (upper pr top)) (Results 0)

Search 3: TAC=(door and (denise or machine or device) and (upper pɔr top)) (Results 38985)

Search 4: TAC=(door and (denise or machine or device) and (upper or top)) and IC=(e05d or e05c or e05f) (Results 10573)

Search 5: TAC=(door and (appliance or machine or device) and (upper or top)) and IC=(e05d or e05c or e05f) (Results 10684)

Search 6: TAC=((joint or pivot) and door and (appliance or machine or device) and (upper or top)) and IC=(e05d or e05c or e05f) (Results 2356)

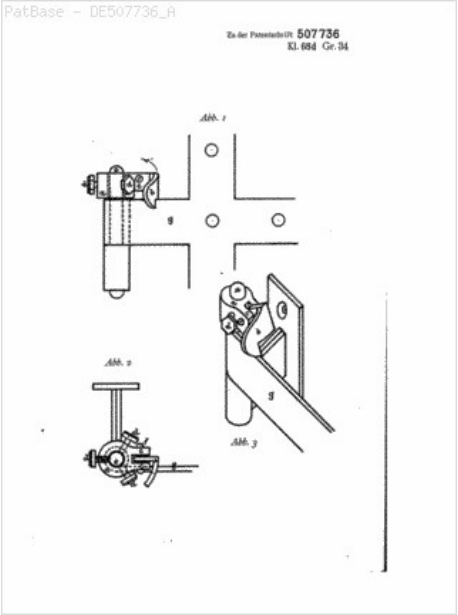
Search 7: TAC=((joint or pivot) and door and (appliance or machine or device) and (upper or top) and load) and IC=(e05d or e05c or e05f) (Results 146)

Title: Selbsttaetige Feststellvorrichtung fuer geoeffnete Tuer- und Fensterladen Selbsttaetige detent **door** is open and shutter (**Machine translation**)

Abstract: Source: DE507736A (Claim 1) 1.PATENTANSPRUCH: Selbsttaetige Feststellvorrichtung fuer geoeffnete Tuer- und Fensterladen, dadurch gekennzeichnet, dass auf dem verlaenger ten, oben frei herausragenden Ende (e) des Drehzapfens des unteren Ladenbandes eine Aufsteckhuese (a) mit zwischen zwei seitlichen Lappen (c) der Huese drehbar angeordneter Sperrfalle (b) mittels Klemmschrauben (d) einstellbar befestigt ist, derart, dass die Falle beim oeffnen des Ladens in bekannter Weise ueber die obere Kante des Bandes (g) heruebergleitet und den Laden in der Offenstellung sichert.

Machine translation: (claim 1) 1.PATENTANSPRUCH: Selbsttaetige locking **device** for open **door** and window shutters, characterized in that the lengthened th, **top** free end projecting (e) of the **pivot** of the lower charging band has a slip-on (a) between two lateral overlap (c) of the sleeve rotatably disposed locking case (b) by means of clamping screws (d) adjustably mounted in such a way that the trap during the opening of the store in a known manner by heruebergleitet the **upper** edge of the band (g) securing a **load** in the open position.

Classifications:
International (IPC 8-9): E05D11/10 (Advanced/Invention)
CPC: E05D11/1007 E05Y2900/146
European: E05D11/10B P05Y900/146



Family:

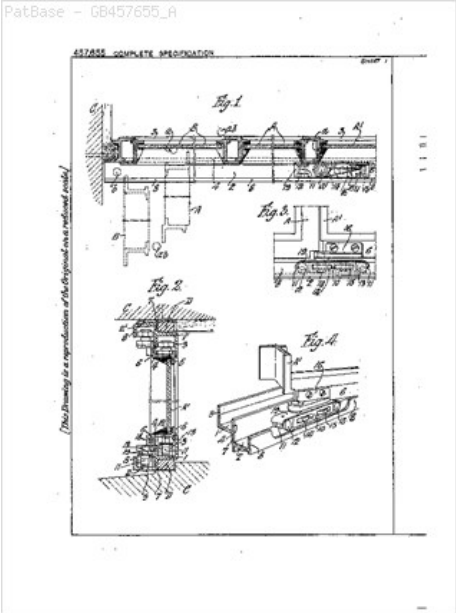
Publication number	Publication date	Application number	Application date
DE507736 A	19300924		00000000

Assignee(s): (std): HANS HITZLER

Title: Improvements in metal sliding folding windows, partitions, **doors** or the like

Abstract: Source: GB457655A 457,655. Sliding-folding windows and **doors**. CRITTALL MANUFACTURING CO., Ltd., and WALKER, F. P., 210, High Holborn, London. April 30, 1935, No. 12917. Addition to 409,351. [Class 20 (iii)] The shoes carrying **pivot**-pins supporting the free edges of the folding leaves of the window or **door**, and which move along parallel guide rails, as described in the parent Specification, are replaced by runners provided with **load**-supporting and guide rollers which move along a track or tracks formed in a metal section or assembly of sections, one at least of the flanges of which is adapted to co-operate with a weathering flange or flanges on the moving frames of the window, in the closed position. In the form shown in Figs. 2 and 4, the runners 10 move along parallel tracks 1, 2 at different levels, formed in a double-channel member 7, and the vertical flanges 3, 4, of the inner track channel engage with the flanges 5, 6 of the sash frames A<1>. A fixed frame D is accommodated in a step formed in the double channel-member. In the modification shown in Fig. 10, detachable liners 29, 30, are fitted with a fixed L-shaped metal section 27 to provide tracks for loadsupporting rollers 36, 42 and guide rollers 27 respectively, while in the further modification shown in Fig. 12, the tracks for the carriages, which move along co-linear paths, are formed in a liner 47 mounted within a member 45, Fig. 12 also shows the hinge-pins provided with spherical heads 63 for engagement in sockets formed in lugs 65 attached to the folding leaves, while the pins may be carried on spring arms by which they may be adjusted laterally.

Classifications:
International (IPC 8-9): E05D15/26 (Advanced/Invention)
CPC: E05D15/26 E05Y2900/132
European: E05D15/26 P05Y900/132



Family:

Publication number	Publication date	Application number	Application date
GB457655 A	19361130	GB19350012917	19350430

Priority:

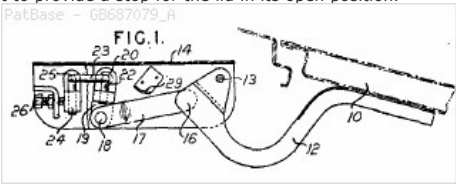
GB19350012917 19350430

Assignee(s): (std): CRITTALL MFG CO LTD ; FREDERICK PICKERING WALKER
Assignee(s): THE CRITTALL MANUFACTURING COMPANY LIMITED

Title: Improvements relating to lid hinges

Abstract: Source: GB687079A 687,079. **Door**-operating **appliances**; hinges. SQUIRE, A. C. A. April 12, 1951 [May 18, 1950], No. 12424/50. Classes 65 (i) and 65 (ii) In a spring hinge for a member 10, e.g. the lid of the luggage boot of a motor vehicle, turning movement is applied to a hinge arm 12 through a link 17 by a lever arm 19 which is angularly movable about a fixed **pivot** and is **loaded** by a torsion bar 23, the arrangement being such that the lid is counterbalanced in its open position by the torsion bar, while the latter, in the closed position of the lid, exerts a force in the closing direction or exerts a minimum force in the opening direction. As shown, the hinge and lever arms are **pivoted** at 13 and 20 respectively to a bracket 14, and at 16 and 18 respectively to the link. The torsion bar is U-shaped, and one of its arms is aligned with the **pivot** 20 and has a cranked end 22 anchored to the lever arm. The other arm, which has a cranked end anchored to a swinging member 24, is aligned with the **pivot** 25 of the latter. The member 24 abuts an adjustable screw 26. The link 17 and lever 19 abut a stop 29 in the open position of the lid. In a modification the torsion bar is of straight form, one end being secured in a mounting permitting angular adjustment of the bar and the other end being cranked and anchored to the lever 19, while **pivot** 16 is adapted to pass over a dead centre relatively to **pivots** 13 and 18 to hold the lid closed, and **pivot** 18 engages in an arcuate groove in the mounting bracket to provide a stop for the lid in its open position.

Classifications:
International (IPC 8-9): B65D43/26 E05F1/12 (Advanced/Invention); B65D43/00 E05F1/00 (Core/Invention)
International (IPC 1-7): B62D25/12 E05D7/00 E05F1/12
CPC: B65D43/26 E05F1/1238 E05Y2900/548 E05Y2900/602
European: B65D43/26 E05F1/12C2 P05Y900/538 P05Y900/548 P05Y900/602



Family:

Publication number	Publication date	Application number	Application date
GB687079 A	19530204	GB19500012424	19500518

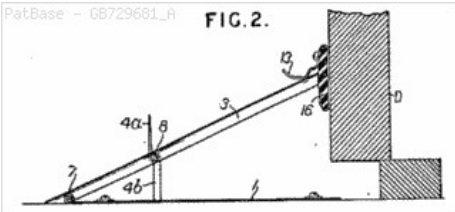
Priority:
GB19500012424 19500518

Assignee(s): (std): ALEXANDER CECIL ALLDRITT SQUIRE
Assignee(s): ALEXANDER CECIL ALLDRITT SQUIRE
Inventor(s): (std): SQUIRE ALEXANDER CECIL ALLDRIT
Inventor(s): SQUIRE ALEXANDER CECIL ALLDRITT

Title: Improvements in door stops

Abstract: Source: GB729681A 729,681. Door stops and holders. GRAND, S. E. Feb. 12,1954 [Feb. 17, 1953], No. 4401/53. Class 65(1). A device for limiting the opening of a door D comprises a member 1 fixed to the floor and an arm 3 pivoted to the member 1 so that it normally lies close to the floor and can be raised to the position shown to provide an abutment for the door, releasable means being provided for holding the arm in its raised position. Means may be provided for yieldably holding the door against the stop. In the arrangement shown the arm is raised by foot pressure on the end projecting beyond the pivot 7, and is held up by a strut 4b pivoted to the arm at 8 and having an extension 4a; when the arm is lying flat the strut is received in a recess in the arm, and when the latter is raised the strut falls to the operative position, from which it can be moved by foot pressure against the extension 4a. The door is preferably provided with a rubber abutment member 16, as shown, and with a member 13 to prevent the arm from being forced upwards by pressure on the door: in the form shown the member 13 is constituted by a spring catch so formed and placed that the end of the arm springs under it and the door is thus held against the arm. The door may carry a press switch for engagement by the arm to actuate a bell or other signal. According to the Provisional Specification the arm may be raised by a foot-pedal connected to it or by a lever actuating a cam engaging it; it may be held raised by a pivoted gravity or spring catch carried by the base member; the base member may have serrations to be engaged by the strut in several positions; the holding device carried by the door may consist of a cam or wedge-shaped projection which trips under the free end of the stop arm when the latter is a little below its highest position, to be released by raising the arm slightly; and the upward movement of the arm may be limited by an abutment screw beneath its rear end.

Classifications:
International (IPC 8-9): E05C19/00 (Advanced/Invention);
E05B45/06 (Advanced/Non-invention);
E05C19/00 (Core/Invention);
E05B45/00 (Core/Non-invention)
International (IPC 1-7): E05C17/54
CPC: E05B45/06 E05C19/004
European: E05C19/00C2 P05B45/06



Family:

Publication number	Publication date	Application number	Application date
GB729681 A	19550511	GB19530004401	19530217

Priority:

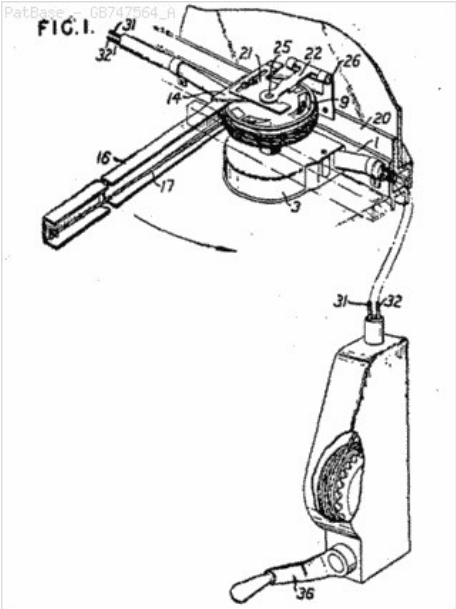
GB19530004401 19530217

Assignee(s): (std): STUART EDWARD GRAND

Title: IMPROVEMENTS IN OR RELATING TO MOVEMENT CONTROL MECHANISM

Abstract: Source: GB747564A 747,564. **Door**-operating mechanism. ARENS CONTROLS, Ltd. April 9; 1954 [April 13, 1953; April 13, 1953], Nos. 10022/53 and 10023/53. Class 65 (1). [Also in Groups X and XXIV] Mechanism for moving a bar 16 longitudinally and also angularly about an axis 25 is particularly applicable to the operation of **pivoted** windows, louvres, **doors**, dampers or the like and comprises a carriage 14 supporting the bar 16 for sliding movement and being itself mounted for pivotal movement about the axis of a rotatable driving element 9 for the bar 16. As shown, the element 9 is supported on a casing 3 secured to the fixed frame 1 of a **pivoted** window 20 and is operated by cables 31, 32 from a remotely positioned handle 36. The bar 16 is secured to a plate 21 pivotally connected at 25 to an arm 22 **pivoted** at 26 to the movable window 20. The driving element 9 comprises a pulley coupled by a cable 17 to the ends of bar 16 whereby rotation of the pulley effects longitudinal sliding of the bar 16. Alternatively, the element 9 could be a toothed wheel and engage with rack teeth on the bar 16. If the pulley 9 is rotated clockwise the bar 16 is moved to the right to open the window 20 from the closed position shown, angular movement of the bar and carriage 14 being prevented by an abutment on the plate 21, engaging the arm 22. Anti-clockwise rotation of pulley 9 will then reverse the movement of bar 16 until the window is closed and the mechanism is again in the position shown. If the anticlockwise rotation of pulley 9 is continued the bar 16 and carriage 14 will rotate bodily about the axis thereof, which now coincides with the axis 25, to move in the direction indicated by the arrow into a position alongside the frame 1. The pulley 9 and carriage 14 is mounted so as to allow for a certain amount of rocking movement to accommodate the arcuate movement of the window and may be mounted together with the supporting casing 3 on the movable window instead of the frame, the arm 22 then being mounted on the frame. The actuating cables 31 and 32 may be extended as at 31, 32' to operate other windows simultaneously from the single operating handle 36. Windows **pivoting** about bottom central or vertical **pivots** may be similarly actuated.

Classifications:
International (IPC 8-9): E05F11/06 E05F17/00 (Advanced/Invention);
E05F11/00 E05F17/00 (Core/Invention)
International (IPC 1-7): E05F11/06 E05F17/00
CPC: E05Y2900/148 E05F17/00 E05F11/06
European: E05F11/06 E05F17/00



Family:

Publication number	Publication date	Application number	Application date
GB747564 A	19560411	GB19530010022	19530413

Priority:

GB19530010022 19530413

Assignee(s): (std): ARENS CONTROLS

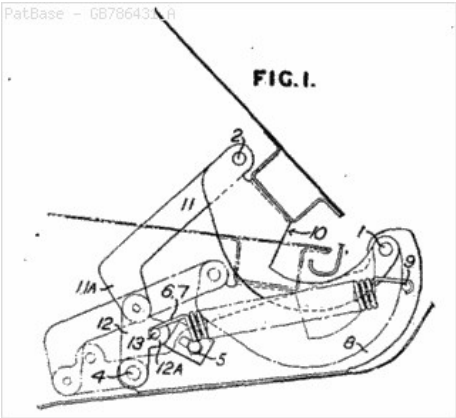
Assignee(s): ARENS CONTROLS LIMITED ; ARENS CONTROLS LTD

Inventor(s): (std): TURTLE RUPERT CLIFFORD

Title: Improvements relating to counter-balance **devices** for hingeable covers

Abstract: Source: GB786431A 786,431. Hinges and **pivots**; **door** operating. VAUXHALL MOTORS. Ltd. Nov. 21, 1955 [Dec. 16, 1954], No. 36430/54. Classes 65(1) and 65(2) A counterbalanced lid (e.g. car bonnet), is supported on each side by a bracket 10 **pivoted** at 1 to a fixed member 8, and two pivotally interconnected links 11. 12 **pivoted** at 2 to the bracket 10 and at 4 to the fixed member 8, a pair of springs 6, 7 connecting each end of a pin 13 through a projection 12A of the lever 12 to a pin 9 through the member 8. When the cover is fully closed the moment applied by its weight on lever 12 about the **pivot** 4 exceeds that applied by the springs, and when the cover is fully open the converse is the case, while in a partly open position said moments are equal. An adjustable stop 5 limits opening. The end 11A of the lever 11 is bent to accommodate the projection 12A in the closed position.

Classifications:
International (IPC 8-9): E05D3/06 (Advanced/Invention)
International (IPC 1-7): B62D25/12
CPC: E05D3/06 E05Y2900/536
European: E05D3/06 P05Y900/536



Family:

Publication number	Publication date	Application number	Application date
GB786431 A	19571120	GB19540036430	19541216

Priority:

GB19540036430 19541216

Assignee(s): (std): VAUXHALL MOTORS LTD
Assignee(s): VAUXHALL MOTORS LIMITED
Inventor(s): (std): CAPPER LAURENCE CLAUD

Title: IMPROVEMENTS RELATING TO MEANS FOR CONTROLLING THE OPERATION OF SPRING-CLOSED **DOORS** AND OTHER ANGULARLY-MOVABLE SPRING-**LOADED** PARTS

Abstract: Source: GB852213A 852,213. **Door** operating **appliances**. NEWMAN and SONS Ltd., W., and SHEAD, H. C. May 8, 1959 [May 9, 1958], No. 14847/58. Class 65(1). A spring **door** closer and fluid check **device** comprises a rotatable cam 4, which in the embodiment described is carried by the spindle 2 of a floor spring, and a slide member 5 **loaded** by springs 6 and provided with two cylinders 7 adapted to contain hydraulic fluid and fitted with spring **loaded** pistons 8 which are normally in engagement with opposite sides of the cam, each cylinder having fluid valve means which enables fluid to be drawn freely into the cylinder during outward movement of the piston but which permits only a controlled escape of fluid during the return movement. As shown fluid contained in the casing 1 enters the cylinders through plate valves 14 and escapes through restricted passages 15 controlled by regulating valves 13 (not shown). Each piston carries a roller 11 to engage the cam, and outward movement of the pistons is limited by stops 16. When the **door** is moved from its closed position the cam 4 acts on one or other of the pistons 8 so as to operate the slide member 5 to **load** the springs 6, and during the initial opening movement the other piston moves outwardly and remains in contact with the cam until halted by the stop 16. This piston checks the final stage of the return movement of the **door** as it is closed by the springs 6. It is stated that the invention may be used to control angularly movable parts other than **doors**.

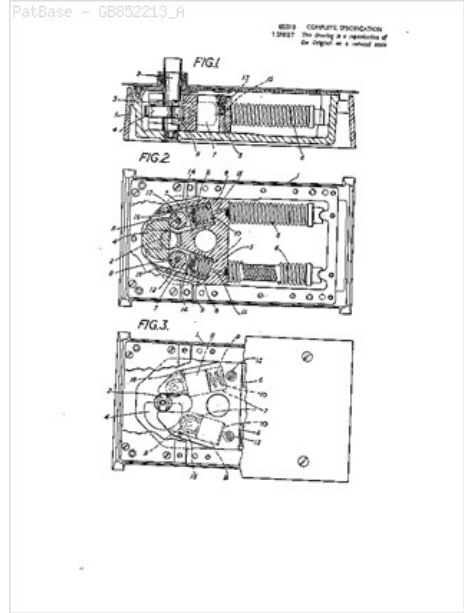
Classifications:

International (IPC 8-9): E05F3/10 (Advanced/Invention); E05F3/00 (Core/Invention)

International (IPC 1-7): E05F3/10

CPC: E05F3/104 E05F3/225 E05Y2600/41 E05Y2600/452 E05Y2900/132

European: E05F3/10C P05F3/22E P05Y600/41 P05Y600/452



Family:

Publication number	Publication date	Application number	Application date
GB852213 A	19601026	GB19580014847	19580509

Priority:

GB19580014847 19580509

Assignee(s): (std): HERBERT CHARLES SHEAD ; NEWMAN WILLIAM AND SONS LTD

Assignee(s): WILLIAM NEWMAN AND SONS LIMITED ; WILLIAM NEWMAN AND SONS LTD

Title: NEW OR IMPROVED DOOR CHECKING APPLIANCE

Abstract: Source: GB863785A 863,785. Dashpots. MORRIS, J. N., and WILLIAMS, R. M. April 21, 1959 [Aug. 19, 1958]. No. 26573/58. Class 108 (3). [Also in Group XXV] In a door checking appliance comprising two relatively rotatable members connected to the door and door frame, respectively, one of the members being connected to a hollow cylinder and the other to a rotor mounted coaxially within the cylinder and the annular space between the cylinder and rotor being occupied by a damping fluid of relatively high viscosity into which portions of the cylinder and rotor project, a one-way clutch device is included in the connection between either the hollow cylinder or the rotor and the respective one of the members so that relative rotation between the cylinder and rotor takes place as a result of relative rotation between the members in one direction only and not in the other. Preferably the damping fluid is silicone putty, known as "bouncing putty". A spring door closer, Fig. 4, comprises a first member or outer casing 30 with a hollow cylinder 35 located therein and a second member or lever arm 34 which is secured to a shaft 33 connected through a one-way clutch to a shaft 37 on which the rotor 38 is mounted. The periphery of the rotor and the interior of the cylinder are axially serrated or otherwise roughened to engage the silicone putty 39. The clutch is formed by two opposed cup members 45, 46 fixed to the shafts 37, 33, respectively, and a close-coiled spring 47 disposed within the cups to exert a slight outward pressure thereon. In a modification, Fig. 1, the invention is applied to a door hinge, the hollow cylinder 11 being formed integral with one leaf 10 and the rotor 15 comprising a spindle recessed at one end 19 to receive one end of a close-coil spring 20 constituting the one-way clutch as in the previous embodiment. The second leaf (not shown) has hinge knuckles 13, 14, the former containing a fixed cupshaped member 21 receiving the other end of the spring 20 and the latter having a fixed stub pivot 24 for the lower closed end of the cylinder. Bearing sleeves 22, 26 of nylon or similar material are provided. The spindle 15 and the interior of the cylinder 11 are axially grooved or otherwise roughened to project into the silicone putty 17.

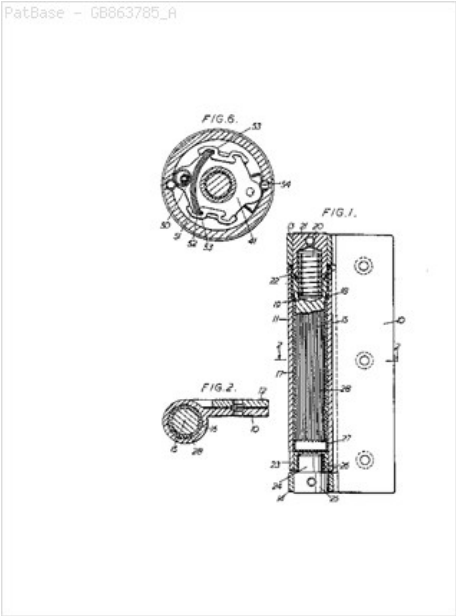
Classifications:

International (IPC 8-9): E05F3/14 (Advanced/Invention); E05F3/00 (Core/Invention)

International (IPC 1-7): E05F3/14

CPC: E05F3/14 E05Y2201/21 E05Y2201/254 E05Y2201/266 E05Y2900/132

European: E05F3/14 P05Y201/21 P05Y201/254 P05Y201/266



Family:

Publication number	Publication date	Application number	Application date
GB863785 A	19610329	GB19580026573	19580819

Priority:

GB19580026573 19580819

Assignee(s): (std): JOHN NEVILLE MORRIS ; RUTH MARGARET WILLIAMS

Title: CONTROL DEVICE FOR SWINGING DOORS

Abstract: Source: US2997735A (Claim 1) 1. A door control device including a stationary member adapted to be fixed to an exterior hinge bracket, said stationary member extending within the door body, and providing a pivot for the door body for swinging movement of the door and also, providing a hollow guide 7r, bearing; an element supported within and on the door body and extending within said guide bearing for rotatable and axial movement relative to said stationary member during swinging movement of the door and having a radially extending portion operative to exert pressure on an interior portion of the door to swing the door; cam means on said member and on said element; and L'Orce means within the door body and co-operating with said cam means and energizable to move the radially extending portion of said element to thereby effect swinging movement of the door to a predetermined residence position.

Classifications:

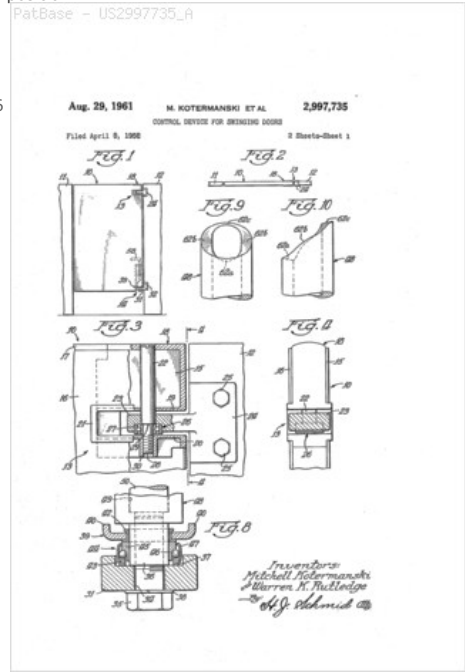
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E05F1/06 (Advanced/Non-invention);
E05F1/00 (Core/Invention)

International (IPC 1-7): E05F1/12

CPC: E05F1/1223 E05F1/065 E05Y2201/604 E05Y2201/638 E05Y2201/688 Y10T16/53826

European: E05F1/12B4 P05F1/06B4 P05Y201/604 P05Y201/638 P05Y201/688

US: 16/284



Family:

Publication number	Publication date	Application number	Application date
US2997735 A	19610829	US19580727175	19580408

Priority:

US19580727175 19580408

Assignee(s): (std): ACCURATE PARTITIONS INC

Inventor(s): (std): MITCHELL KOTERMANSKI ; RUTLEDGE WARREN K

Inventor(s): KOTERMANSKI MITCHELL

Title: IMPROVEMENTS IN OR RELATING TO DOOR OR LIKE CONTROL DEVICES

Abstract: Source: GB905686A 905,686. Door closers. COURTNEY, POPE Ltd., and LYON, C. R. Nov. 24, 1960 [Nov. 27, 1959], No. 40453/59. Class 65 (1). A door closer comprises a cam 17 actuated by the door and operatively connected with a spring-loaded dashpot by a pivoted lever 23, the surface of the cam being shaped as at 18, 19 to co-operate with the lever to releasably hold the door in the closed position and in the fully open positions corresponding to both directions of opening. The lever has a camengaging roller 21 and is pivotally connected at 26 to the rod 28 of the dashpot piston which comprises a synthetic rubber washer or O-ring seal 30 freely disposed between a metal backing collar 31 and a disc 29. The dashpot cylinder 32 is pivoted at its closed end on a pin 35 in the inner box casing 3 of the closer which has a thin boss 4 (Fig. 1, not shown) axially aligned with the closer spindle 14 and pivotally received in a suitable mounting-plate at the bottom of the outer box 1. Inclined slots 10 in the flange 6 of the inner box 3 are engaged by clamping screws 56 so that the inner box and closer mechanism can be angularly adjusted to vary the normal closed position of the door. When the door is being opened and the piston moves away from the closed end of the cylinder, the O-ring 30 is forced into engagement with the disc 29 and oil contained in the box 3 is drawn into the cylinder through holes 55 therein and flows through the gap between the collar 31 and the O-ring 30, under the latter, and through a hole or holes, not shown, in the disc 29. When the door begins to close under the action of the spring 36 the O-ring is forced into engagement with the collar 31 and closes the gap so that the oil trapped between the piston and the closed end of the cylinder can only escape through an adjustable valve 41 in the cylinder end. The valve has a limb 44 engaging a lever (not shown) operable from outside the cover-plate of the casing so that the checking action may be adjusted from outside the closer. A spring-loaded non-return ball valve 53 operates as a relief valve if the dashpot assembly is subjected to a sudden load. Specification 905,685 is referred to.

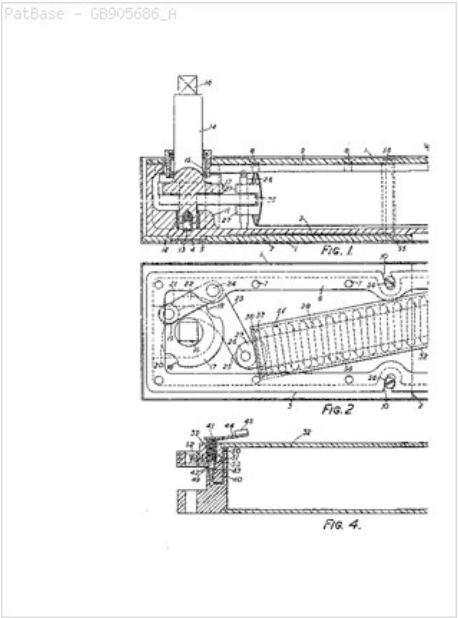
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International (IPC 1-7): E05F3/10

CPC: E05F3/104 E05F3/226 E05Y2900/132

European: E05F3/10C E05F3/22E1



Family:

Publication number	Publication date	Application number	Application date
GB905686 A	19620912	GB19590040453	19591127

Priority:

GB19590040453 19591127

Assignee(s): (std): CLAUDE REGINALD LYON ; COURTNEY POPE LTD

Assignee(s): COURTNEY POPE LIMITED

INFORME DE BÚSQUEDA DE PATENTES PARA EL No de Radicación: 13-123389						
CRITERIOS PARA LA BÚSQUEDA (anexar pantallazo o reporte en PDF, junto con los boleanos utilizados)						
Palabras clave utilizadas		(MECANISMO OR SISTEMA OR ARTICULACION) AND MOVIMIENTO AND PUERTA AND (ELECTRODOMESTICO OR MAQUINA) (joint or pivot) and door and (appliance or machine or device) and (upper or top) and load				
CLASIFICACIONES INTERNACIONALES UTILIZADAS PARA LA BÚSQUEDA		D06F 37/10, 37/18, 37/28; E05D 11/10, 15/00; E05F 03/20; F16C 11/04.				
BASES DE DATOS CONSULTADAS.						
ESPACENET		COLOMBIANA			Patbase	
INFORMES DE EXÁMENES REALIZADOS EN OTRAS OFICINAS (documentos patentes, literatura no patente etc...)						
Oficina	Fecha del examen o de reporte de búsqueda de documentos	Anterioridades encontradas para el examen o reportados en el examen de búsqueda(relacionarlos todos)	Reiv. afectadas	RELEVANCIA (requisito que afecta)	FUERON TENIDOS EN CUENTA PARA EL EXAMEN EN LA OFICINA COLOMBIANA	
					SI	NO
DOCUMENTOS ADICIONALES ENCONTRADOS POR EL EXAMINADOR DE ACUERDO A LOS CRITERIOS DE BÚSQUEDA.						
US4495673 US20100109497 US7617570						

Observaciones	
Fecha del reporte de búsqueda:	