200 Documents

Publication numbers	Title	Current assignees
EP1608830 A1	Magneto-mechanical locking device	DRUMM
EP1880073 A2	Magnetic latch mechanism	SOUTHCO
EP1846904 A2	Magnetic latch mechanism	SOUTHCO
WO200578218 A1	Self latching device	ASSA ABLOY
EP2678489 A1	A method for producing rectangular or square wall elements from flat sheet metal, and wall elements produced therewith	CES CONTROL ENCLOSURE SYSTEMS
EP2166894 A2	Magnetic closure with an opening-assisting spring	FIDLOCK
EP1799944 A1	Improvements in or relating to closure retention and release mechanisms	STEPHENSON GOBIN
EP2245655 A1	Method for patterned etching of selected material	D & D
EP1056953 A1	Fastening means for joining components such that they can be detached, and a method for detaching a joining between a first component and a second component	FRANZ HASER
DE102011012434 A1	Door arrangement structure for refrigerator, has magnets rotated between closed position in which magnets are interacted with counter-element and open position in which magnetic interaction between magnet and element is cancelled	CES CONTROL ENCLOSURE SYSTEMS
WO200886256 A1	Magnetic latch mechanism	SOUTHCO
EP3299547 A1	Locking device with magnetic bolt recess	ASSA ABLOY SICHERHEITSTECHNIK
US4919464 A	Magnetically operated latch	RICHARDS R C
WO2011109235 A1	Lid lock with magnetic anti-tamper feature	ITW - ILLINOIS TOOL WORKS
US5782512 A	Magnetic field latch assembly	XEROX
US20070267875 A1	Reversible magnetic door stop/latch	FERGUSON EDWARD B
EP2040572 A2	Mechanic-magnetic connecting structure	FIDLOCK
US5076623 A	Magnetically operated latch	RICHARDS ROGER C
US20110215686 A1	Latching mechanism and electronic device using the same	HON HAI PRECISION INDUSTRY
WO2009142513 A1	A closure mechanism	REDGRAVE RODERICK, ...
US20110225890 A1	Gate with foot-operated latching mechanism	KIDCO
US6609738 B1	Electromagnetic door lock system	HANCHETT ENTRY SYSTEMS
US20080012359 A1	Magnetic action lock	BONAITI SERRATURE
US20070007775 A1	Rotatable bipolar phased magnetic locking system for door	BANYAI CHRISTOPHER J, ...

Publication numbers	Title	Current assignees
US20060175842 A1	Magnetic latch assembly	WASHIN OPTICAL
EP2394008 A1	Locking device with magnetic actuation for doors	BONAITI SERRATURE
EP1857622 A2	Clamp-on holder	WASHIN OPTICAL
WO200997685 A1	Door set with magnetic actuation	HOWEY KEVIN
EP1395958 A1	Magnetic lock device operated by means of transponder	ANGELANTONI INDUSTRIE
WO2006133080 A2	Shock-actuated lock	RHYNEER GEORGE, ...
US4822085 A	Adjustable magnetic door latch system	TEXIM INTERNATIONAL IRVINE
EP1691012 A2	Magnetically actuated locking mechanism	WASHIN OPTICAL
EP2274706 A1	Techniques for producing an electrical pulse	CORRELATED MAGNETICS RESEARCH
WO201065013 A1	Bi-stable actuator for electronic lock	UTC FIRE & SECURITY
EP2576946 A2	Easily installed and non-defacing security latch	TANG GORDON C, ...
DE10213722 A1	Device for closing/opening pivotable door panel held closed by magnetic force has intermediate part engaging opening in opening unit with door panel closed to make force-locking connection	ELDOMAT INNOVATIVE SICHERHEIT
EP1337411 A1	Device for improving a vehicle structural rigidity, in particular a vehicle with retractable roof	SEBA, ...
EP1825084 A1	Security device for constraining an article having an elongate element	SENSORMATIC ELECTRONICS
US5188405 A	Locking device for a latch	REV A SHELF JEFFERSONTOWN
EP1740752 A1	Lock for a household appliance	MARQUARDT
EP2543802 A2	Lock	MACO TECHNOLOGY
EP2885686 A1	90 degree magnetic latch to prevent high surface flux	AMAZON TECHNOLOGIES
EP2389084 A1	Closure device for connecting two parts	FIDLOCK
WO201895582 A1	Closure for a flap, door, drawer, or the like	BETEK
DE102016122885 A1	Closure for a door, door, or drawer or the like	BETEK
DE202004001958 U1	Magneto-mechanical closing device for locking a door moving towards a fixed frame has a closing element on the frame, permanent magnets on the door and the frame and an activating device	DRUMM
EP1409820 A1	Electromechanical locking method and device	Jerry. R. Smith, ...
EP2506925 A1	Dual-mode defibrillator with latched panel	ZOLL MEDICAL
EP2049753 A1	Magnetic lock means with auxiliary mechanical locking or resistance means	SHANGHAI ONE TOP
US20050225098 A1	Magnetic latch system	ARGOSY NWI HOLDINGS, ...

Publication numbers	Title	Current assignees
US20100188177 A1	Sliding door opening/closing device for vehicle	FUJI ELECTRIC SYSTEMS
US3791687 A	Pop up magnetic door stop and holder	SCHROEDER H
EP2692970 A1	Door latching device and door assembly incorporating same	AIRBUS OPERATIONS
EP2997212 A1	Latch arrangement	CAVITY SLIDERS
US20140217749 A1	Magnetic gate latch	WELDON INDUSTRIES
DE102016122879 A1	Magnetic fastener	BETEK
US20140041421 A1	Lock with magnetically actuated latch movement preventing member	BABACO ALARM SYSTEMS
US20120187703 A1	Securing mechanisms for partitions, partition systems including same, and related methods	WON DOOR
EP2740867 A2	Striker element for espagnolette fitting	MACO TECHNOLOGY
EP1568836 A2	A Self-latching magnetic latching device	D & D PTY
US4099755 A	Releasable magnet assembly	ANDERSON KEITH J
US4155576 A	Door keeper	KENNON WILLIAM O
EP3249141 A1	Lock having a latch and an additional latch for securing	DORMAKABA DEUTSCHLAND
US3578370 A	Magnetic door stop	JAMES J GREYTOK
WO201081880 A1	Closure device for connecting two parts	FIDLOCK
US5711556 A	Lock assembly	RMD PRESS
EP-626493 A2	Door opener with a lockable, pivoted latch.	FUSS FRITZ
EP2543804 A2	Auxiliary lock for a lock	MACO TECHNOLOGY
US20100218569 A1	Electromagnetic lock having distance-sensing monitoring system	HANCHETT ENTRY SYSTEMS
EP1901945 A1	Electro-magnetic release mechanism	ARTEMIS INTELLIGENT POWER, ...
EP2430268 A2	Easily installed and non-defacing security latch	TANG GORDON C, ...
EP1746232 A1	Window securing means and methods	VKR HOLDING
US20040104584 A1	Reversible magnetic door stop/latch	FERGUSON EDWARD B.
US5908228 A	Door opening/closing handle apparatus for a refrigerator	SAMSUNG ELECTRONICS
EP1718825 A1	Electromagnetic lock provided with a sliding bolt for a swinging-type door	DIGIT
EP2591187 A1	Locking device with striking arrangement and automatic locking	STENDALS EL
US20030177797 A1	Magnetically reactive pivot latch system	BOEING
EP2899342 A1	Listel section for a door leaf	CDVI DIGIT
EP2959077 A1	Gate latch assembly	D & D
EP1820924 A1	Magnetic closing system for an access door or door	ATELIER TREDO
WO200316672 A1	Magnetically controlled rod assembly	TRACTO TECHNIK

Publication numbers	Title	Current assignees
WO2006111762 A2	A lock assembly	ENTRYPHONE
EP1601848 A1	Magnetically controlled locking device	CONCEPTS & INNOVATIONS EN SECURITE MAGNETIQUE
US6000735 A	Automatic child-resistant sliding door lock	JORMAC PRODUCTS
WO200930002 A1	A latch	GATEGUARD
EP2093358 A1	Device for stopping doors through magnetic attraction	JOS BERCHTOLD
EP2024590 A1	Locking device	OPTOSOLUTIONS
US5487289 A	Lock assembly	HERMAN MILLER
US20050210938 A1	Developments for magnetic latches	D & D
US20110285148 A1	Easily installed and non-defacing security latch	TANG GORDON C
EP1991750 A2	Magnetic locking device	BLUM
WO200369101 A2	Catch or locking element	ADVANCED TECHNOLOGY INDUSTRIES
US20140319850 A1	Magnetic door lock assembly	SECURITECH
EP2820210 A1	Lock for a motor vehicle	BROSE FAHRZEUGTEILE
EP2959078 A1	Latching assembly	D & D
US4270781 A	Opening and closing apparatus for doors and the like	FUTABA KINZOKU KOGYO
EP1863991 A2	Residual magnetic devices and methods	STRATTEC SECURITY
EP2252176 A2	Locking magnet closure	FIDLOCK
EP2543797 A2	Door opening device with permanent magnet	ASSA ABLOY SICHERHEITSTECHNIK
EP2929115 A2	Closure device for connecting two parts	FIDLOCK
WO201592249 A2	Locking/unlocking device such as a lock	SECRET VALERIE, ...
US5906403 A	Multipoint lock for sliding patio door	TRUTH HARDWARE
US4848812 A	Concealed safety lock	SLAUGHTER STEVEN J
EP1917412 A2	Combination lock	FOX ARNOLD J
US20120291501 A1	Magnetic lock and key assembly	REXNORD
US20050183477 A1	Latch	SOUTHCO
EP1700284 A2	Window and window handle	SCHUECO INTERNATIONAL
US3899203 A	Door lock	HEITZ WALTER HELMUT
EP2271233 A2	Mechanical-magnetic connecting structure	FIDLOCK
EP1700983 A1	Energy absorbing magnetic coupling device	John A. McCain
EP2959079 A1	Sensor configuration for a latch assembly	D & D
WO200629329 A2	Electronic tongue strike mechanism	EVERLOKT
US3934909 A	Push releasable magnetic latch	NATTER WILLIAM J VAN
DE19725677 A1	Caravan, mobile home or fixed frame and casement vehicle	SEITZ POLYURETHAN

Publication numbers	Title	Current assignees
	window or door	TECHNIK
EP1292747 A1	Self-locking latch and a locking system equipped with said latch	SACHSISCHE SCHLOSSFABRIK
WO200131154 A1	Magnetic lock	UNIVATION TECHNOLOGIES
EP2935741 A1	Latch mechanism	CENTOR DESIGN
DE19642071 A1	Magnetic closure system	BRUCHHOLD INGO DR ING
US5865483 A	Electromechanical locking system	& L DOORS & HARDWARE
EP3245360 A1	Lock	KFV KARL FLIETHER
DE4337426 A1	Method and device for preventing access to a protected security area which can be locked by means of a door	ROBERT BOSCH
US5944368 A	Door knob holding device	HASTINGS; MARK S.
US4893852 A	Dual sensor electromagnetic door lock system	HAWWOR PRODUCTS, ...
US4826223 A	Electromagnetic door lock device	GERINGER ARTHUR V, ...
EP2529069 A1	Door cylinder lock	KNOCK N LOCK
US20030164615 A1	Door latch for alarm system	NG WILLIAM
US4505502 A	Magnetic door catch	TOMITA RIOE
EP1203860 A1	Door leaf with automatic security locking system	MULTIMET
EP1021633 A1	Multi-directional self-aligning shear type electromagnetic lock	HANCHETT ENTRY SYSTEMS
WO200304814 A1	Bolt with a handle	RAMSAUER DIETER
US5141271 A	Alignment device for electromagnetic door lock	SECURITY DOOR CONTROLS
EP2096241 A2	Self-locking auxilliary lock	FUHR CARL
US20110175376 A1	Vehicle stowage assembly having electromagnetic closure	FORD GLOBAL TECHNOLOGIES
EP1598509 A1	Closing device for furniture	AGOSTINO FERRARI
US5061022 A	Door closing mechanism	LOUIS BERKMAN
US20070268132 A1	Door accessory power system	T K M UNLIMITED
US5441315 A	Electric-motor drive for motor-vehicle central lock system	CRITIGEN A DELAWARE LIABILITY, ...
US4702506 A	Magnet catcher for doors	IIMURA KYOSUKE
WO9963188 A2	Trigger system for electromagnetic lock	SCHLAGE
US20160168891 A1	Door latch system with integrated magnet	LIPPERT COMPONENTS
US6722715 B1	Magnetic swing door lock	CHIANG FANNY
US20050257582 A1	Door latch with adjustable latch element	WESCO DISTRIBUTION
DE10224351 B3	Bolting Device Facility for tiltable Door and window Wings with magnetic field strength tumbler and Opening Facility	ELDOMAT INNOVATIVE SICHERHEIT

Publication numbers	Title	Current assignees
GB9601446 D0	Door latching mechanisms	STEELSPACE LYDNEY
EP1242708 A2	Electromagnetic closing and opening device for door leaves that can be pivoted	MANTHEY SASCHA
EP1096212 A1	Apparatus with door opening/closing mechanism	SHARP
DE3940393 A1	Lock with two sliding bolts - has pawls to hold bolts in retracted position and in locking position	KRACHTEN THEODOR
US4991270 A	Magnetic lock closure	APPLIC ART LAB
US20110148126 A1	Latch	AUDRIUS MACERNIS, ...
EP1951545 A1	Unlocking device for a control device	HYDAC
US3995460 A	Magnetic card key operated door lock structure	CARDKEY SYSTEMS
US4986578 A	Door latching arrangement for an enclosure	S & C ELECTRIC
DE4406705 A1	Magnetic bond between two elements	APPLIC ART LAB
US20120007705 A1	Multilevel correlated magnetic system and method for using the same	CORRELATED MAGNETICS RESEARCH
US7938458 B1	Alignment assembly for door latch and striker bolt	TRIMARK
US5169184 A	Door latch assembly	TETRA HOLDING, ...
US4194771 A	Magnetic door stay retainer	BIGGS RONALD L
WO201902952 A1	Automatic locking mechanism for collapsible elements	INSTITUCION UNIVERSITY SALAZAR & HERRERA
US20110298226 A1	Fold away magnetic door stop	ROTI JOSEPH R
EP-634548 A2	Locking system for vehicle doors	NISSAN MOTOR
WO201188496 A1	A latching assembly	ANDREWS STUART JOHN, ...
WO200749021 A1	A door latch with a rotatable latch bolt	ARCHITECTURAL PRODUCTS & COMPONENTS
US3730577 A	Magneto-responsive composite molding	GLASS LAB
US3658370 A	Latching assembly with magnetic locking	CONS CONTROLS
JP2016030949 A	Door device	DAIKEN
US5944396 A	Furniture having a concealed drawer with a dual stage locking mechanism	STEPHAN; GERALD H.
WO9203631 A1	A self latching magnetic latching device	D & D
EP1931843 A1	Locking device	DRUMM
US5154454 A	Concealed exit device with adjustment mechanism	MONARCH HARDWARE & MANUFACTURING, ...
US4184277 A	Lockable name plate	EMBOSS O PRESTIGE
WO201396379 A1	Magnetic latch	EATON INTELLIGENT POWER

Publication numbers	Title	Current assignees
US20130152647 A1	Lock	ASSA ABLOY
US20120043768 A1	Magnetic latch assembly	GRAHAM THOMAS
US5485733 A	Concealed magnetic lock for cabinet closure	HOFFMAN; CHARLES G.
FR2486135 A1	Automatic door locking catch - includes sliding rods carrying tabs which releasably engage into door jamb	VACHETTE
WO201942819 A1	Lock	MACO TECHNOLOGY
US4941235 A	Magnetic lock closure device	APPLIC ART LABO
US20100244343 A1	Thermally switched ferromagnetic latching support system	BOEING
US20090250949 A1	Magnetic closure catch for inset doors	SHARPE SCOTT
EP1174570 A1	Lockset with internal clutch	SCHLAGE
US5758913 A	Impact resistant electromagnetic lock	HANCHETT ENTRY SYSTEMS
US4184349 A	Door with magnetically controlled lock	ZAKS NATHAN
EP1424461 A2	Container, in particular insulated container	GEBHARDT TRANSPORT & LAGERSYSTEME
EP1268964 A1	Electromagnetic lock	DIGIT SOCIETE A RESPONSIBILITE LIMITEE
EP-945572 A2	Door lock arrangement, preferably espagnolette lock	WINKHAUS FA AUGUST
US3790197 A	Magnetic latch	GENERAL ELECTRIC
FR3020084 A1	MAGNETIC CLOSURE BY MEANS OF AN AXIS OF CLOSURE COMPRISING AT ONE END A BARREL	LE BLEIS DIDIER ROLAND EMILE
US20090273194 A1	Magnetic gate latch	PATTERSON WAYNE ALBERT
EP1668216 A1	A child safety barrier with a locking device	BABY DAN
KR101720064 B1	Door opening and closing apparatus using a permanent magnet	CHAE, HYUNG WON
US20160060924 A1	Magnetic gate latch	SINGH JEEWANJOT, ...
EP2154320 A2	Door retainer	FISCHERWERKE
WO200589186 A2	Active material based seal assemblies	GM GLOBAL TECHNOLOGY OPERATIONS
EP1431481 A2	Lock	GEZE
EP-885340 A1	Locking device for a wing, in particular a door with a plurality of locking bolts	EICHHOLZER MARTIN, ...
EP-351802 A2	Fastening device for a show case sliding door.	GLASBAU HAHN
US5501492 A	Deadbolt with infinitely adjustable backset	SCHLAGE
US4310188 A	Magnetic switch for attractive latch	APPLIC ART LAB
US20150233160 A1	Force closer	ROGERS MIKHAIL ALECZANDAR

Publication numbers	Title	Current assignees
DE102012111526 A1	Tubular frame lock structure for door, has blocking element that is provided to block the displacement of aperture element in actuating position, and bolt which is inserted into opening	KARRENBERG FA WILHELM

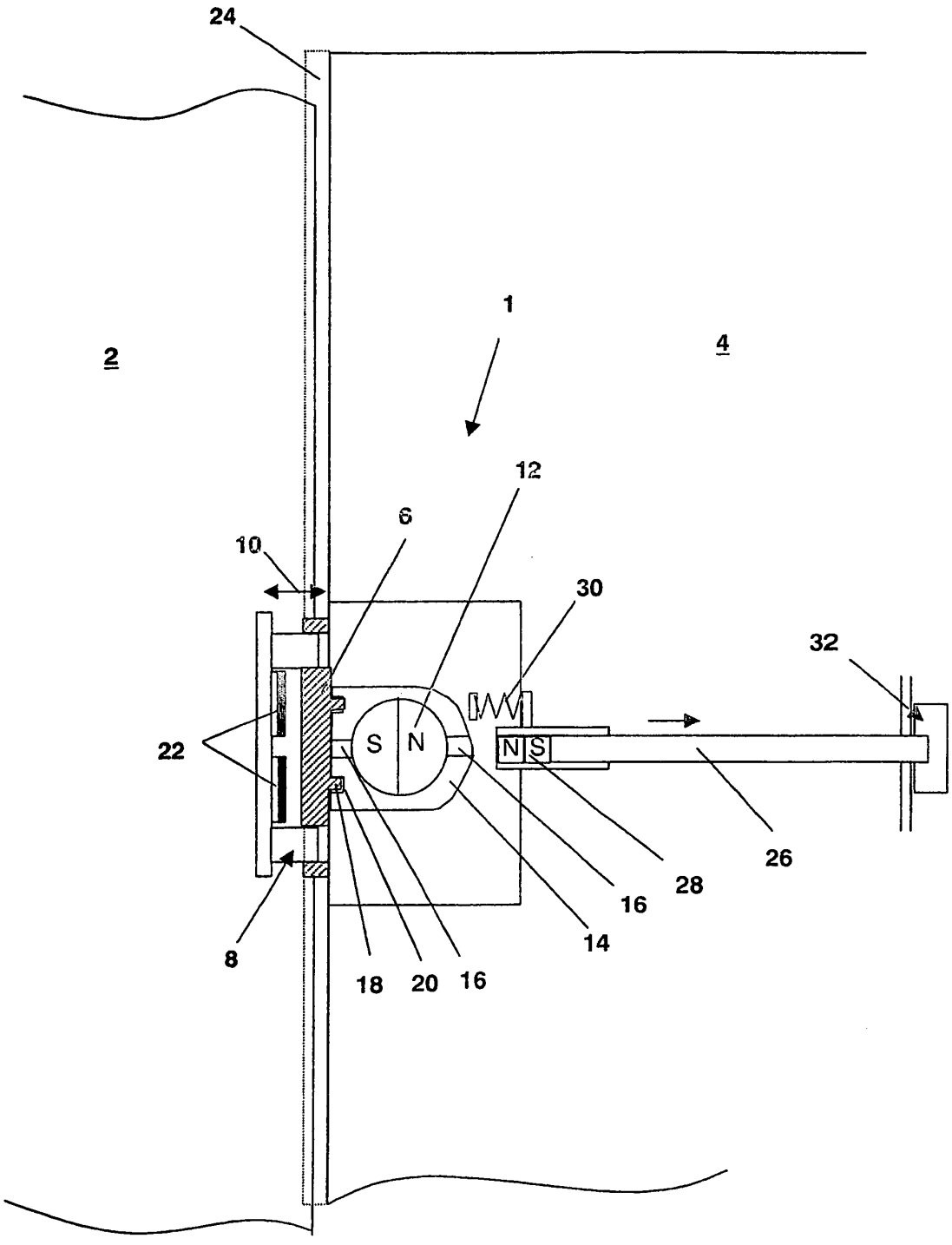
Family 1/200 - FAMPAT - ©Questel

Title

(EP1608830)

Magneto-mechanical locking device

Images



Publication data including kind & date

DE502004010266	D1	2009-12-03	DE502004010266
AT446430	T	2009-11-15	ATE446430
EP1608830	B1	2009-10-21	EP1608830
CN100417784	C	2008-09-10	CN100417784C
US7267378	B2	2007-09-11	US7267378
CN1777731	A	2006-05-24	CN1777731

US20060049645	A1	2006-03-09	US20060049645
EP1608830	A1	2005-12-28	EP1608830
WO2004/083578	A1	2004-09-30	WO200483578
DE10312269	A1	2004-09-30	DE10312269
AU2004221673	A1	2004-09-30	AU2004221673
CA2540421	A1	2004-09-30	CA2540421

Abstract

(EP1608830)

The invention relates to a magneto-mechanical locking device (1) for locking a door (4) which can be displaced in relation to a stationary frame (2). Said locking device comprises a locking element (6) produced from a magnetizable material and disposed on the frame (2), and a permanent magnet (12) that is mounted on the door (4) and that can be twisted from a first release position, in which the locking element (6) is subject to substantially no action of magnetic force, to a second locking position, in which the locking element (6) is attracted by the action of magnetic force of the permanent magnet (12) and locks the door (4).

Inventors

DRUMM KLAUS PETER

Latest standardized assignees - inventors removed

DRUMM

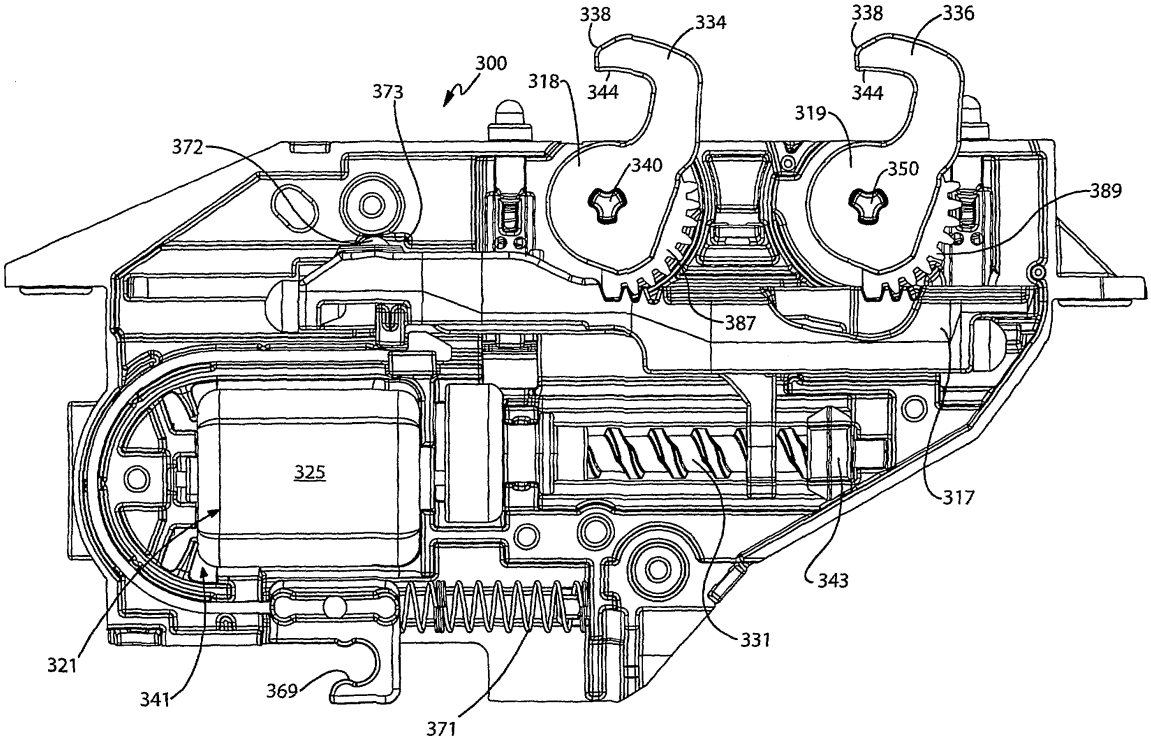
Family 2/200 - FAMPAT - ©Questel

Title

(EP1880073)

Magnetic latch mechanism

Images



Publication data including kind & date

EP1880073	B1	2016-06-22	EP1880073
US9004550	B2	2015-04-14	US9004550
EP1880073	A4	2014-07-02	EP1880073
CN100529320	C	2009-08-19	CN100529320C

JP2008540880	A	2008-11-20	JP2008540880
US20080231060	A1	2008-09-25	US20080231060
CN101218407	A	2008-07-09	CN101218407
KR20080015428	A	2008-02-19	KR20080015428
EP1880073	A2	2008-01-23	EP1880073
WO2006/122151	A3	2007-05-31	WO2006122151
WO2006/122151	A2	2006-11-16	WO2006122151

Abstract

(EP1880073)

A latch with dual rotary magnets is disclosed. The latch is particularly suited for releasably securing dual doors of a compartment in the closed position. Each rotary magnet holds in a closed position a magnetic insert attached to a respective door by magnetic attraction to secure both doors in the closed position relative to the compartment. Mechanical hook-like rotary pawls supplement the action of the magnets. In addition, the latch is provided with a safety feature that prevents the latch from opening in the event that the vehicle in which the latch is installed is involved in a collision.

Inventors

CARABALONA ERIC

TALKUDAR ROBIN

MCCLOSKEY KEVIN A

SPEERS ROBERT BENSON JR

Latest standardized assignees - inventors removed

SOUTHCO

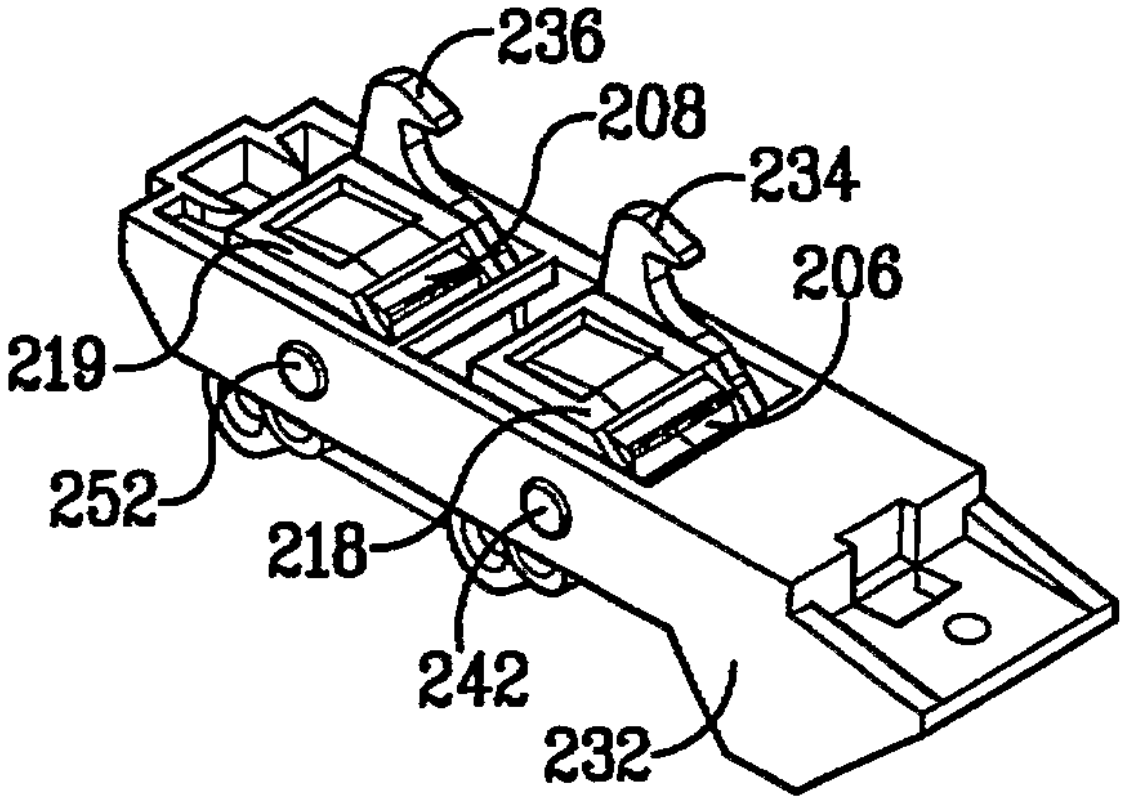
Family 3/200 - FAMPAT - ©Questel

Title

(EP1846904)

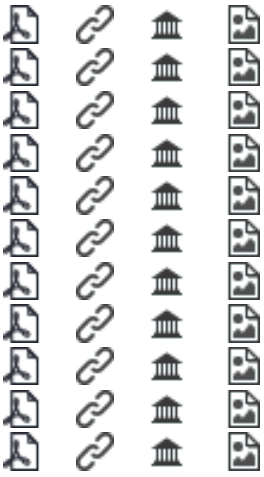
Magnetic latch mechanism

Images



Publication data including kind & date

EP1846904	B1	2015-10-14	EP1846904
EP1846904	A4	2014-07-02	EP1846904
CN101573502	B	2012-04-11	CN101573502B
US7931313	B2	2011-04-26	US7931313
CN101573502	A	2009-11-04	CN101573502
WO2006/088775	A3	2009-06-04	WO200688775
JP2008538801	A	2008-11-06	JP2008538801
US20080265588	A1	2008-10-30	US20080265588
EP1846904	A2	2007-10-24	EP1846904
KR20070101376	A	2007-10-16	KR20070101376
WO2006/088775	A2	2006-08-24	WO200688775



Abstract

(EP1846904)

A latch (100) with dual rotary magnets (106,108) is disclosed. The latch is particularly suited for releasably securing dual doors of a compartment in the closed position. Each rotary magnet holds in a closedposition a magnetic insert attached to a respective door by magnetic attraction to secure both doors in the closed position relative to the compartment.

Inventors

CARABALONA ERIC

Latest standardized assignees - inventors removed

SOUTHCO

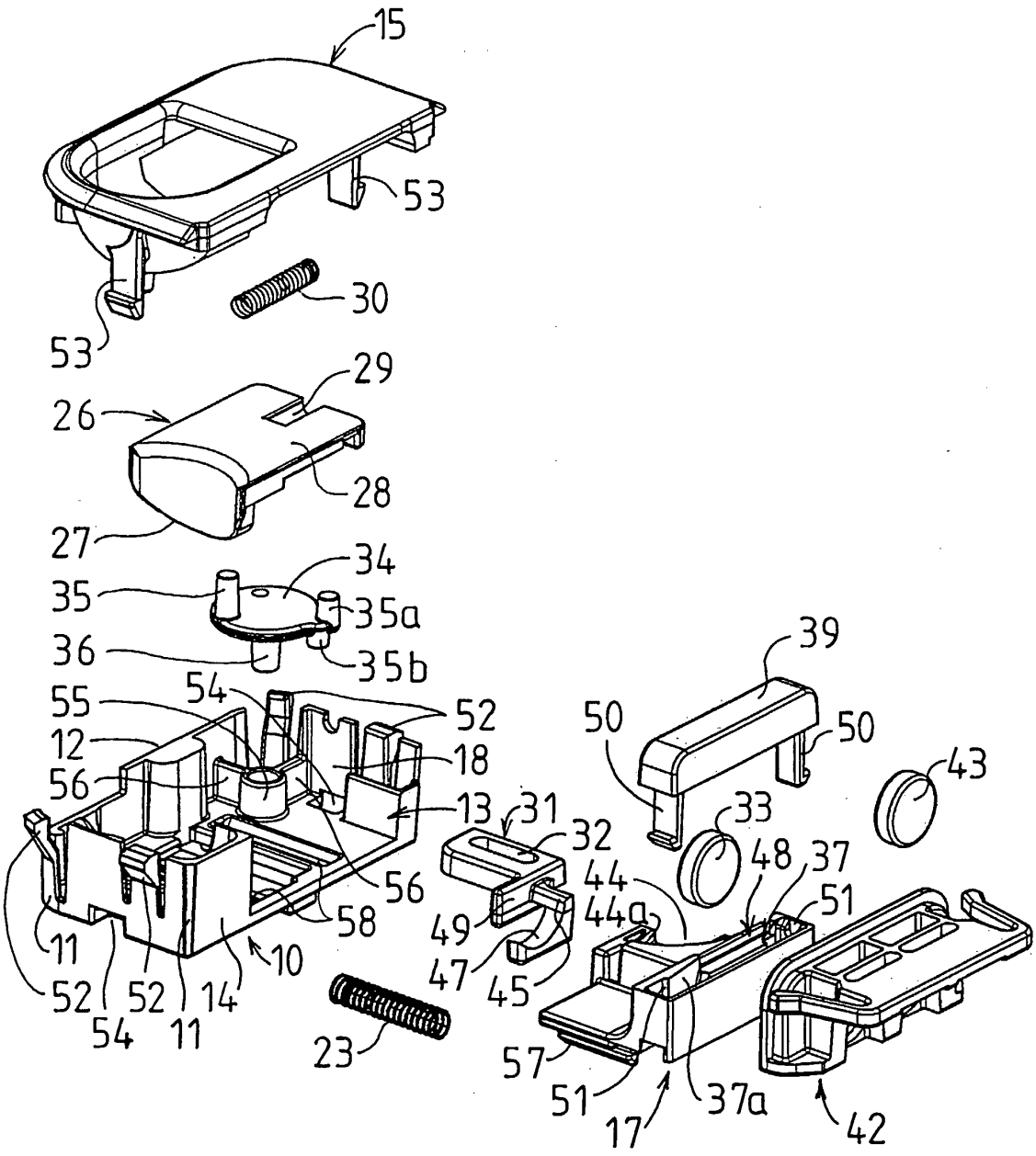
Family 4/200 - FAMPAT - ©Questel

Title

(WO200578218)

Self latching device

Images



Publication data including kind & date

US20070194578	A1	2007-08-23	US20070194578
NZ531205	A	2006-12-22	NZ-531205
WO2005/078218	A1	2005-08-25	WO200578218
AU2005213581	A1	2005-08-25	AU2005213581
CA2556741	A1	2005-08-25	CA2556741

Abstract

(WO2005/078218)

A self latching device for self-latching a sliding closure such as a window sash. The device includes a latch member (17) which is moveable between a latching position and a non-latching position. The latch member (17) when in the latching position is engaged with a strike (42). A biasing element (23) biases the latch member (17) into one of the latching and non-latching positions. A magnetic element (43) is provided for moving the latch member (17) into the other of the latching and non-latching positions. In one form the magnetic element (43) is associated with the strike (42) and a magnet element (33) is associated with the latch member (17). The magnets are preferably permanent magnets (33 and 43). A user accessible slider (26) coupled by a coupler (34, 35) to magnet slider (31) enables the magnet element (33) to be temporarily moved away from the magnetic element (43) to enable the latch member (17) to retract from the strike (42).

Inventors

BOOSEY MALCOLM DAVID

COLLINGS MARTYN WALTER GOODWIN

Latest standardized assignees - inventors removed

ASSA ABLOY

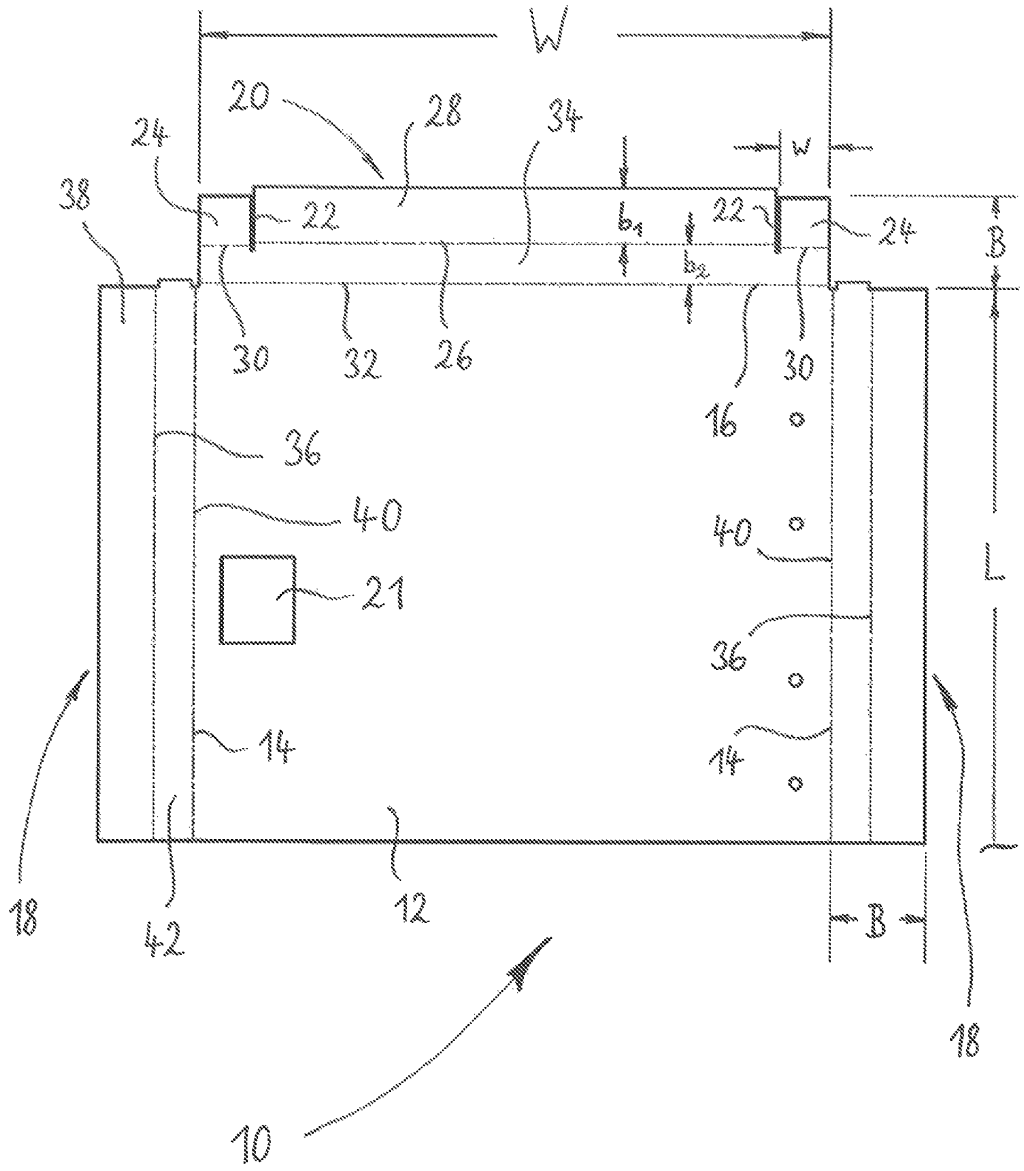
Family 5/200 - FAMPAT - ©Questel

Title

(EP2678489)

A method for producing rectangular or square wall elements from flat sheet metal, and wall elements produced therewith

Images



Publication data including kind & date

EP2678503	B1	2016-10-26	EP2678503
BR112013021385	A2	2016-10-18	BR112013021385
BR112013021386	A2	2016-10-18	BR112013021386
US9383016	B2	2016-07-05	US9383016
US9371849	B2	2016-06-21	US9371849
JP5927208	B2	2016-04-28	JP5927208
RU2582076	C2	2016-04-20	RU2582076

RU2577521	C2	2016-03-20	RU2577521
CN103477519	B	2016-01-20	CN103477519B
CN103477096	B	2015-08-19	CN103477096B
CN103476999	B	2015-06-24	CN103476999B
US9061337	B2	2015-06-23	US9061337
EP2678571	B1	2015-04-01	EP2678571
EP2678909	B1	2015-04-01	EP2678909
RU2013141511	A	2015-03-27	RU2013141511
RU2013141506	A	2015-03-27	RU2013141506
RU2013141510	A	2015-03-27	RU2013141510
US20140367923	A1	2014-12-18	US20140367923
US20140294500	A1	2014-10-02	US20140294500
US20140150366	A1	2014-06-05	US20140150366
JP2014513779	A	2014-06-05	JP2014513779
JP2014510639	A	2014-05-01	JP2014510639
JP2014510882	A	2014-05-01	JP2014510882
IN2559/KOLNP/2013	A	2014-04-04	IN2013KN02559
IN2560/KOLNP/2013	A	2014-04-04	IN2013KN02560
BR112013021385	A1	2014-01-07	BR112013021385
BR112013021386	A1	2014-01-07	BR112013021386
EP2678489	A1	2014-01-01	EP2678489
EP2678503	A1	2014-01-01	EP2678503
EP2678571	A1	2014-01-01	EP2678571
EP2678909	A1	2014-01-01	EP2678909
CN103476999	A	2013-12-25	CN103476999
CN103477096	A	2013-12-25	CN103477096
CN103477519	A	2013-12-25	CN103477519
WO2012/113548	A8	2013-04-25	WO2012113548
WO2012/113548	A1	2012-08-30	WO2012113548
WO2012/113549	A1	2012-08-30	WO2012113549
WO2012/113550	A1	2012-08-30	WO2012113550
WO2012/113551	A1	2012-08-30	WO2012113551
DE102011012436	A1	2012-08-30	DE102011012436
CA2827231	A1	2012-08-30	CA2827231
CA2827257	A1	2012-08-30	CA2827257

Abstract

(EP2678489)

The invention relates to a method for producing rectangular or square wall elements from flat sheet metal, comprising the following steps: - determining a length and width of a wall element, - making available a flat sheet metal piece from flat sheet metal material having a material thickness, which piece has two longitudinal edges of the determined length and two transverse edges of the determined width and projects by a predetermined extent along each longitudinal edge and transverse edge in order to form two mutually longitudinal edge portions and two mutually opposite transverse edge portions having a predetermined edge width, wherein the short lateral edges of the longitudinal edge portions and of the transverse edge portions have the dimension of the edge width, - incising the two longitudinal edge portions parallel to the transverse edge close to each short lateral edge in order to form two incisions having an incision length which is smaller than the edge width so as to form two tabs for each longitudinal edge portion which are separated by a respective incision from the remaining longitudinal edge portion and have a transverse dimension, - right-angled folding of a respective strip, formed by the incisions, of the remaining longitudinal edge portion parallel to the longitudinal edge, wherein the strip has a

width which corresponds at most to the incision length less the material thickness, - right-angled folding of the tabs parallel to the longitudinal edge at the level of the base of the associated incision, - right-angled folding of the longitudinal edge portions along the longitudinal edge, - right-angled folding of the transverse edge portions parallel to the transverse edge to form a strip having a width corresponding to the transverse dimension of the tabs, and - again right-angled folding of the transverse edge portions along the transverse edge.

Inventors

SCHAAF IGOR HARRY
MAZURA PAUL
NICOLAI WALTER
JOCHAM SIMON

Latest standardized assignees - inventors removed

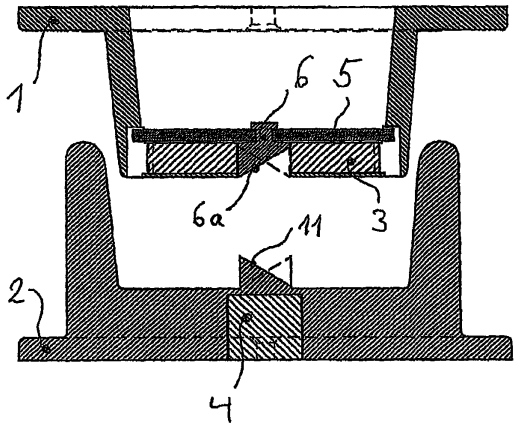
CES CONTROL ENCLOSURE SYSTEMS

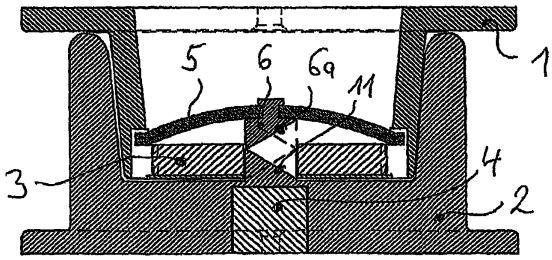
Family 6/200 - FAMPAT - ©Questel

Title

(EP2166894)
Magnetic closure with an opening-assisting spring

Images





Publication data including kind & date

US8851534	B2	2014-10-07	US8851534
VN0011684	B	2013-09-25	VN--11684B
CN101842030	B	2012-02-22	CN101842030B
AT536113	T	2011-12-15	ATE536113
EP2166894	B1	2011-12-07	EP2166894
US20110167595	A1	2011-07-14	US20110167595
CN101842030	A	2010-09-22	CN101842030
EP2166894	A2	2010-03-31	EP2166894
WO2009/006888	A3	2009-08-13	WO200906888
WO2009/006888	A2	2009-01-15	WO200906888

Abstract

(EP2166894)

The invention relates to a magnetic closure which connects flexible or else fixed elements to one another, such as, for example, a closure on a handbag. The magnetic closure has a magnet and armature structure which has the following features: a magnet (4) and an armature (3) which are designed in such a manner that, for the automatic closing, the armature and the magnet, below a predetermined minimum distance, have a mutual attraction in a closing direction and, for the opening, the magnet is displaced or rotated laterally in relation to the armature into an open position such that the magnet and armature surfaces which attract each other become smaller, thus reducing the attracting force between the

magnet and armature, wherein an opening-assisting spring (5) is provided to assist the opening, and the opening-assisting spring (5) is either automatically prestressed by the magnetic force during the automatic closing, or is prestressed during the opening operation.

Inventors

FIEDLER JOACHIM

Latest standardized assignees - inventors removed

FIDLOCK

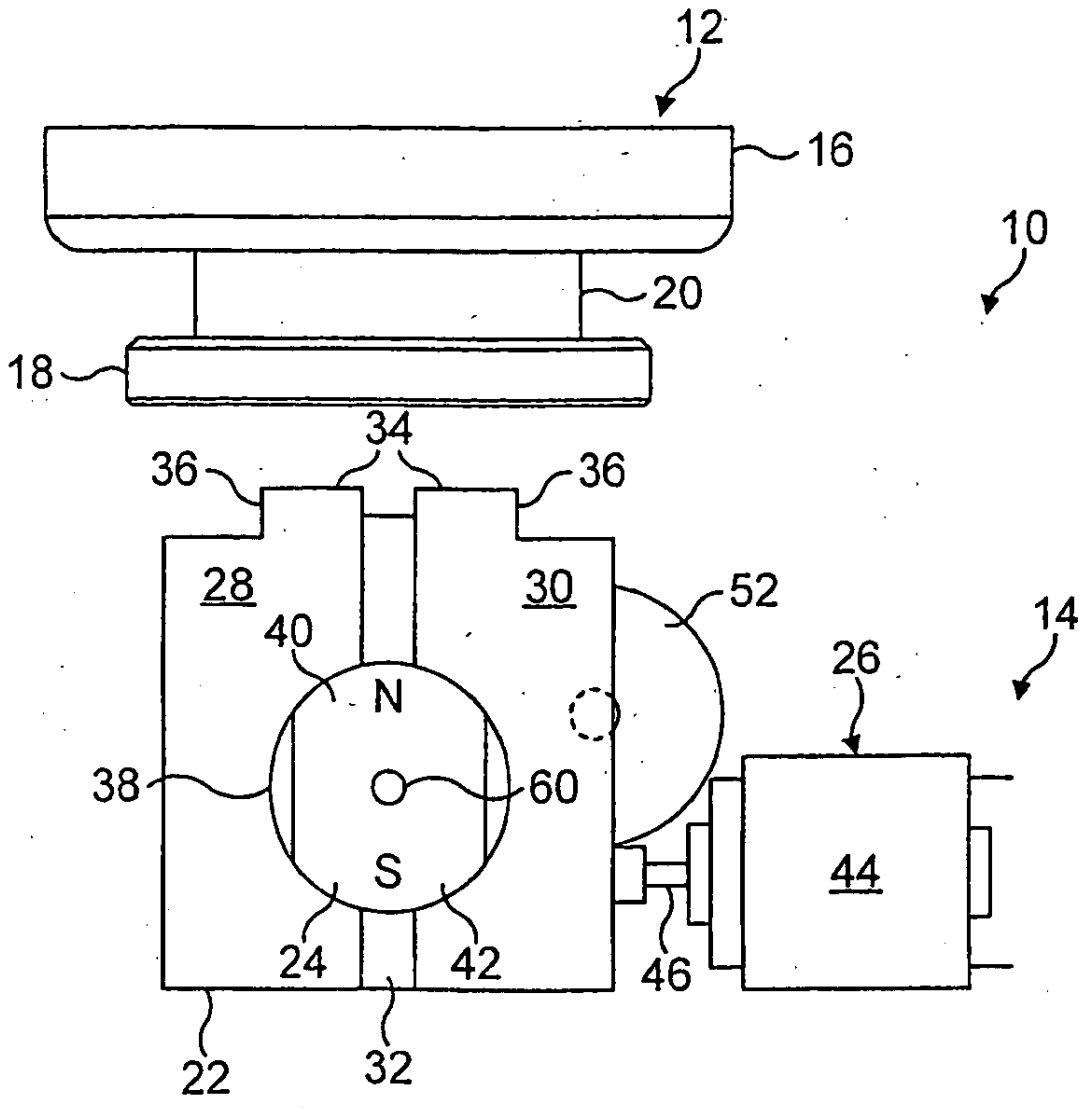
Family 7/200 - FAMPAT - ©Questel

Title

(EP1799944)

Improvements in or relating to closure retention and release mechanisms

Images



Publication data including kind & date

EP1799944	B1	2016-11-30	EP1799944
US20090230704	A1	2009-09-17	US20090230704
CN100470000	C	2009-03-18	CN100470000C
CN101052776	A	2007-10-10	CN101052776
EP1799944	A1	2007-06-27	EP1799944
WO2006/040531	A1	2006-04-20	WO200640531

GB0422566 D0 2004-11-10 GB200422566

Abstract

(EP1799944)

A closure retention and release mechanism (14) comprises a body (22) having spaced apart first and second portions (28, 30) of ferrous material, a magnet (24) having north and south poles (40, 42) mounted between said portions (28, 30) and actuation means operable to move the magnet (24) relative to said portions (28, 30), wherein the magnet (24) is movable between a first position where each pole (40, 42) of the magnet (24) is located fully in a respective portion (28, 30) of the body (22) and a second position where each pole (40, 42) is not located fully in a respective portion (28, 30) of the body (22).

Inventors

GODDARD NICHOLAS ROGER CHARLES

JACKSON SARAH LOUISE

Latest standardized assignees - inventors removed

STEPHENSON GOBIN

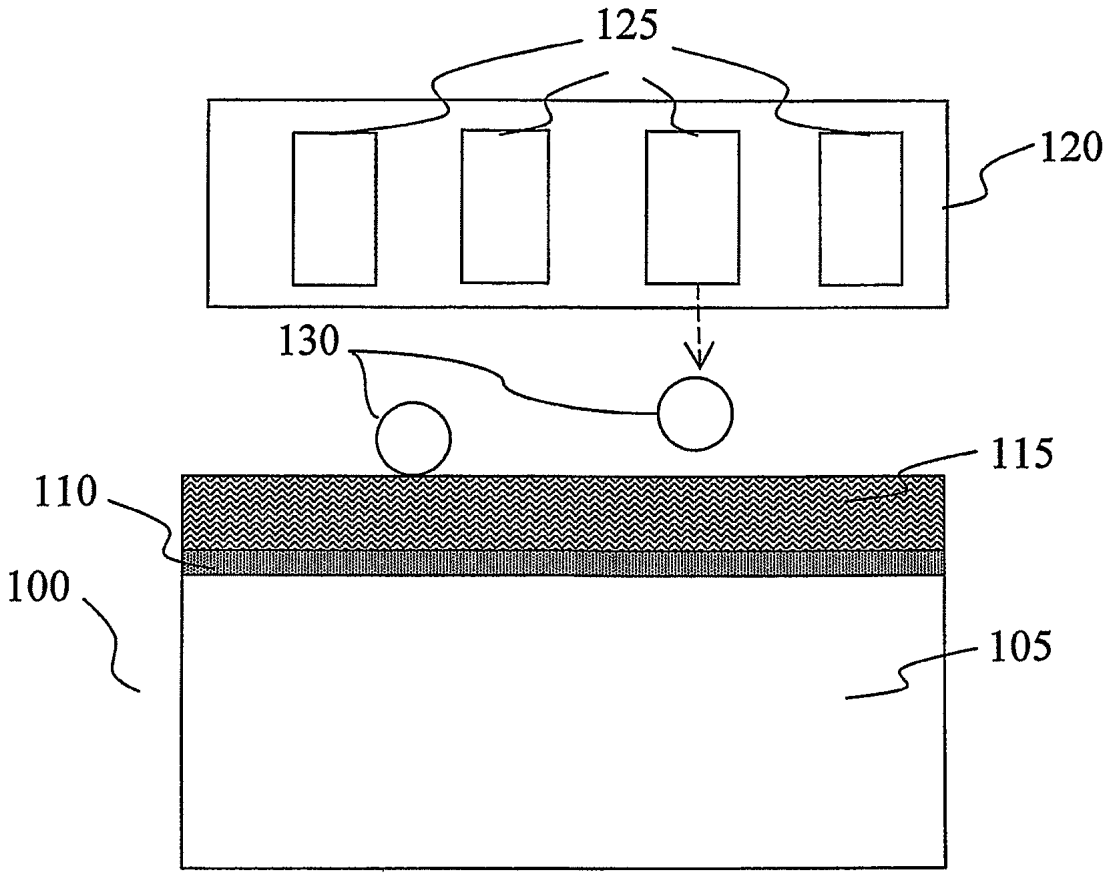
Family 8/200 - FAMPAT - ©Questel

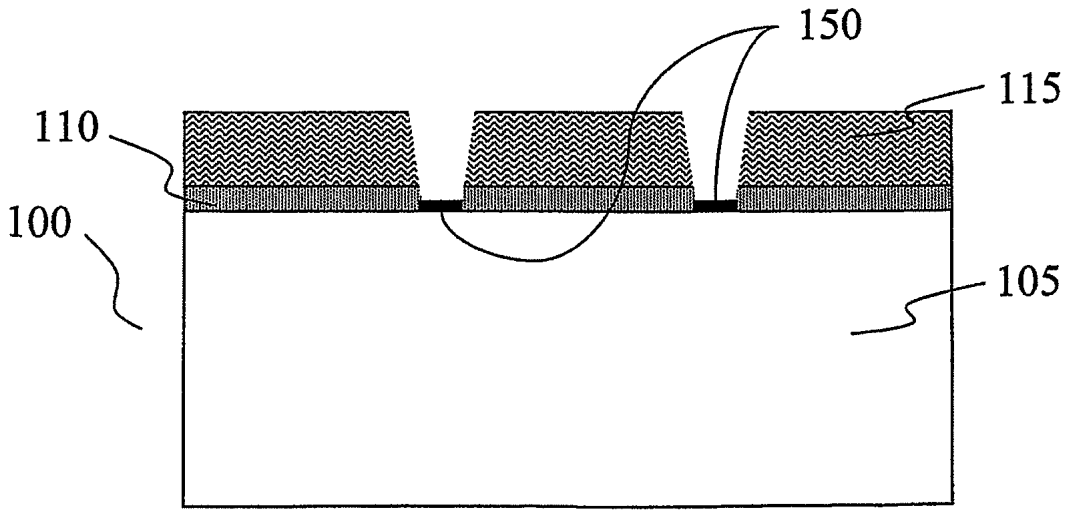
Title

(EP2245655)

Method for patterned etching of selected material

Images





Publication data including kind & date

AU2009281691	B2	2015-07-30	AU2009281691
CN102177304	B	2014-10-29	CN102177304B
EP2318626	B1	2013-12-11	EP2318626
JP5242703	B2	2013-04-12	JP5242703
US8393653	B2	2013-03-12	US8393653
EP2318626	A4	2012-12-19	EP2318626
EP2245655	A4	2012-11-21	EP2245655

US8273659	B2	2012-09-25	US8273659
IN0978/DELNP/2011	A	2012-03-09	IN2011DN00978
IN5605/DELNP/2010	A	2012-02-03	IN2010DN05605
CN102177304	A	2011-09-07	CN102177304
US20110111599	A1	2011-05-12	US20110111599
EP2318626	A1	2011-05-11	EP2318626
JP2011511442	A	2011-04-07	JP2011511442
CN101990705	A	2011-03-23	CN101990705
KR20110020760	A	2011-03-03	KR20110020760
EP2245655	A1	2010-11-03	EP2245655
WO2010/017576	A1	2010-02-18	WO201017576
AU2009281691	A1	2010-02-18	AU2009281691
US20100033279	A1	2010-02-11	US20100033279
TW200947555	A	2009-11-16	TW200947555
WO2009/094711	A1	2009-08-06	WO200994711
AU2009208384	A1	2009-08-06	AU2009208384

Abstract

(EP2245655)

Surface processing in which the area to be processed is restricted to a predetermined pattern, can be achieved by: (a) providing a layer of a first reagent over a region of the surface to be processed which at least covers an area of the predetermined pattern; (b) providing one or more further reagents which are further reagents required for the processing of the surface; and (c) applying at least one of the further reagents over the region to be processed according to the predetermined pattern; such that the first reagent acts with the one or more of the further reagents to process the surface only in the area of the predetermined pattern. The process is particularly applicable to etching where an etchant having two or more components is used. In that case at least a first etchant component is applied over the surface and at least one further etchant component is applied in the predetermined pattern.

Inventors

WENHAM STUART ROSS

LENNON ALISON JOAN

HO-BAILLIE ANITA WING YI

Latest standardized assignees - inventors removed

D & D

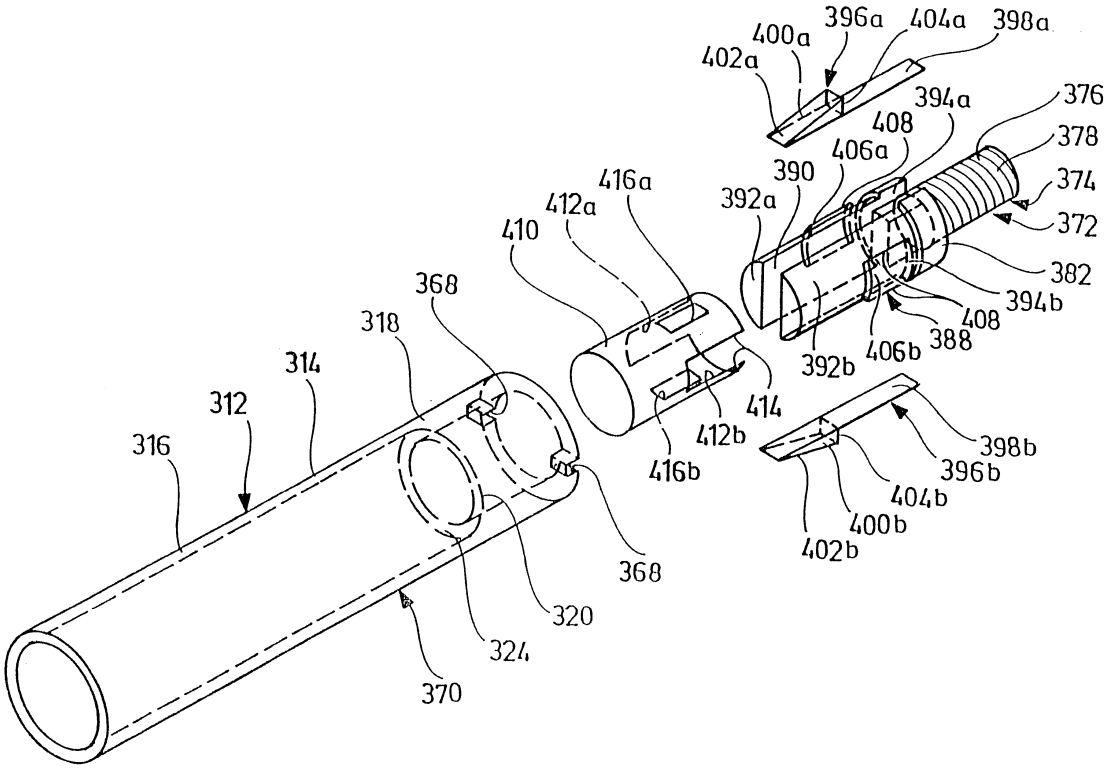
Family 9/200 - FAMPAT - ©Questel

Title

(EP1056953)

Fastening means for joining components such that they can be detached, and a method for detaching a joining between a first component and a second component

Images



Publication data including kind & date

ES2219003	T3	2004-11-16	ES2219003
PT1056953	E	2004-09-30	PT1056953
DK1056953	T3	2004-08-30	DK1056953T
US6765330	B2	2004-07-20	US6765330
DE59909333	D1	2004-06-03	DE59909333
AT265625	T	2004-05-15	ATE265625
EP1056953	B1	2004-04-28	EP1056953
US20030053855	A1	2003-03-20	US20030053855
US6499907	B1	2002-12-31	US6499907
JP2002505404	A	2002-02-19	JP2002505404
EP1056953	A1	2000-12-06	EP1056953
WO99/43961	A8	1999-11-11	WO9943961
DE19807663	A1	1999-09-09	DE19807663
WO99/43961	A1	1999-09-02	WO9943961

Abstract

(EP1056953)

The invention relates to a fastening means (100) for joining a first component (102) and a second component (104) such that they can be detached, especially for joining furniture and machine parts such that they can be detached. The inventive fastening means comprises a first fastening element (170) arranged on the first component (102) and a second fastening element (172) arranged on the second component (104). When the components are in a joined state, the first fastening element and the second fastening element are joined together in such a way that they can be detached. One of the fastening elements comprises a retaining part (134) which interacts with the other retaining part of the fastening elements (172) in a retaining position such that a relative movement of the first fastening element (170) and of the second fastening element (172) is prevented along a direction (122) of fastening, and such that in a disengaging position, a relative movement of the first connection element (170) and of the second connection element (172) is permitted along the direction (122) of fastening. The invention provides that two components (102, 104) can be securely joined together such that the components involved do not unnecessarily weaken due to penetrations. To this end, the retaining part (134) can be moved from the retaining position to the disengaging position by means of a time-varying actuating magnetic field which

operates the fastening means (100) from outside said fastening means.

Inventors

BAUR FRANZ

Latest standardized assignees - inventors removed

FRANZ HASER

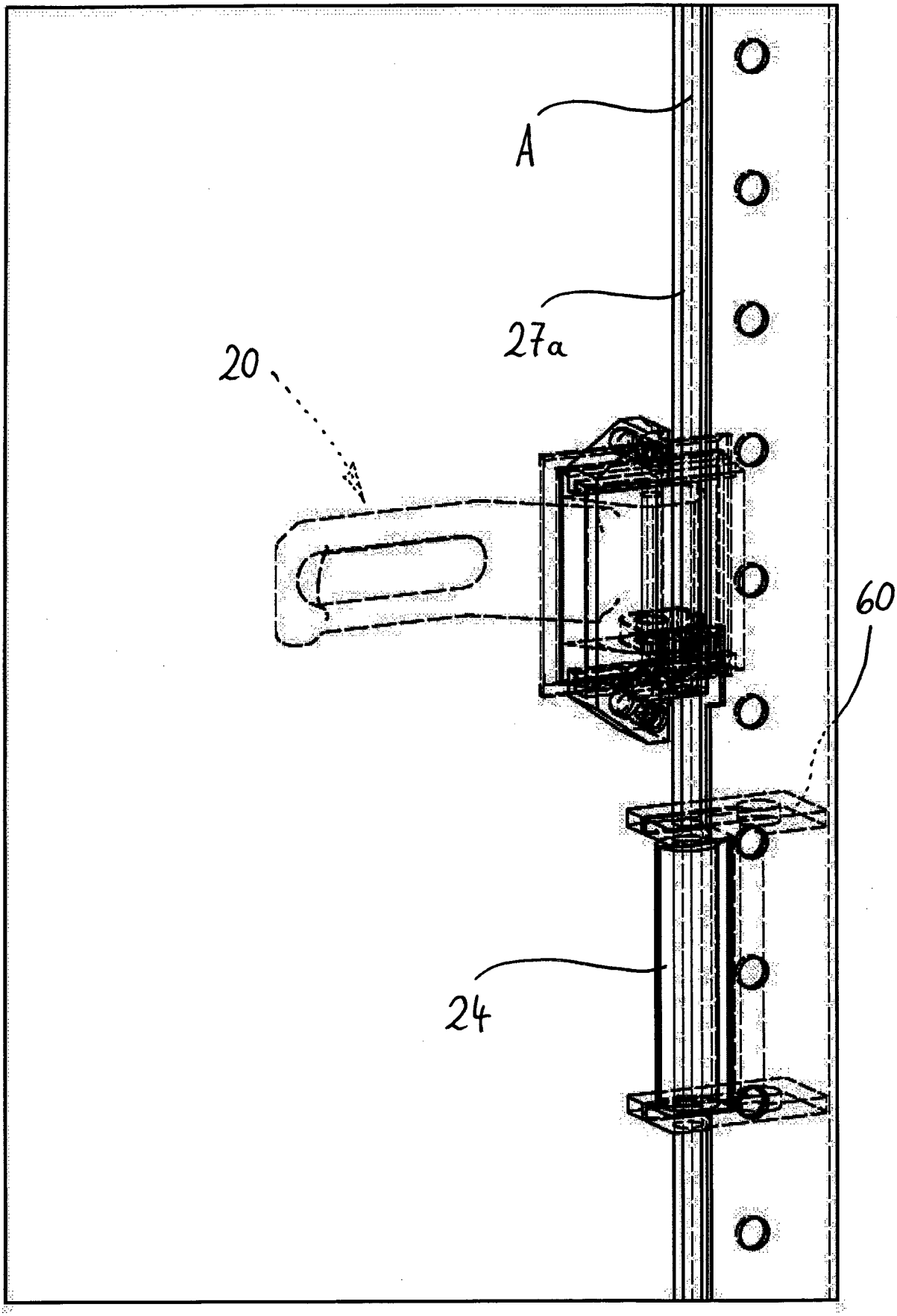
Family 10/200 - FAMPAT - ©Questel

Title

(DE102011012434)

Door arrangement structure for refrigerator, has magnets rotated between closed position in which magnets are interacted with counter-element and open position in which magnetic interaction between magnet and element is cancelled

Images



Publication data including kind & date

DE102011012434 A1 2012-08-30 DE102011012434

Abstract

(DE102011012434)

The structure has door (12) that is provided at side portion (14) of hinge (16) that is mounted on door frame. A shaft is arranged with respect to rotational axis. An edge area of door is extended parallel to handle side (18) of door. An actuating element is provided to produce rotation operation of shaft around axles. The magnets are spaced apart from each other

and rotated between closed position in which magnets are interacted with counter-element and open position in which magnetic interaction between magnet and element is cancelled by operation of actuating element.

Inventors

SCHAAF IGOR HARRY
MAZURA PAUL
NICOLAI WALTER DR
JOCHAM SIMON DR

Latest standardized assignees - inventors removed

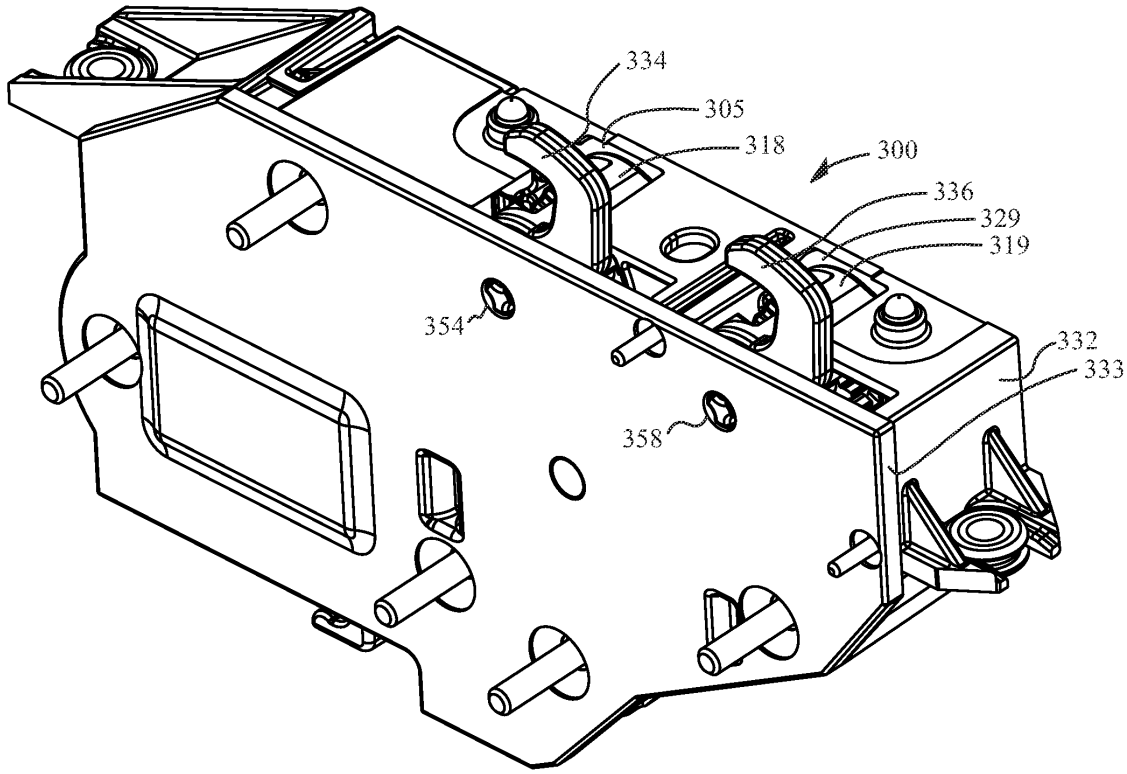
CES CONTROL ENCLOSURE SYSTEMS

Family 11/200 - FAMPAT - ©Questel

Title

(WO200886256)
Magnetic latch mechanism

Images



Publication data including kind & date

US8382168	B2	2013-02-26	US8382168
CN101611207	B	2011-07-13	CN101611207B
DE112008000129	T5	2010-01-14	DE112008000129
CN101611207	A	2009-12-23	CN101611207
US20080191494	A1	2008-08-14	US20080191494
WO2008/086256	A1	2008-07-17	WO200886256

Abstract

(WO2008/086256)
A latch with dual rotary magnets is disclosed. The latch is particularly suited for releasably securing dual doors of a compartment in the closed position. Each rotary magnet helps secure in a closed position a respective door that is provided with a magnetic insert. Hook-like rotary pawls that rotate with the magnets provide for mechanical securing of the doors in the closed position. The latch is provided with a safety feature that makes the latch resistant to opening in the event that the vehicle in which the latch is installed is involved in a collision.

Inventors

CARABALONA ERIC

MCCLOSKEY KEVIN A

SPEERS ROBERT B JR

TALUKDAR ROBIN

Latest standardized assignees - inventors removed

SOUTHCO

Family 12/200 - FAMPAT - ©Questel

Title

(EP3299547)

Locking device with magnetic bolt recess

Images

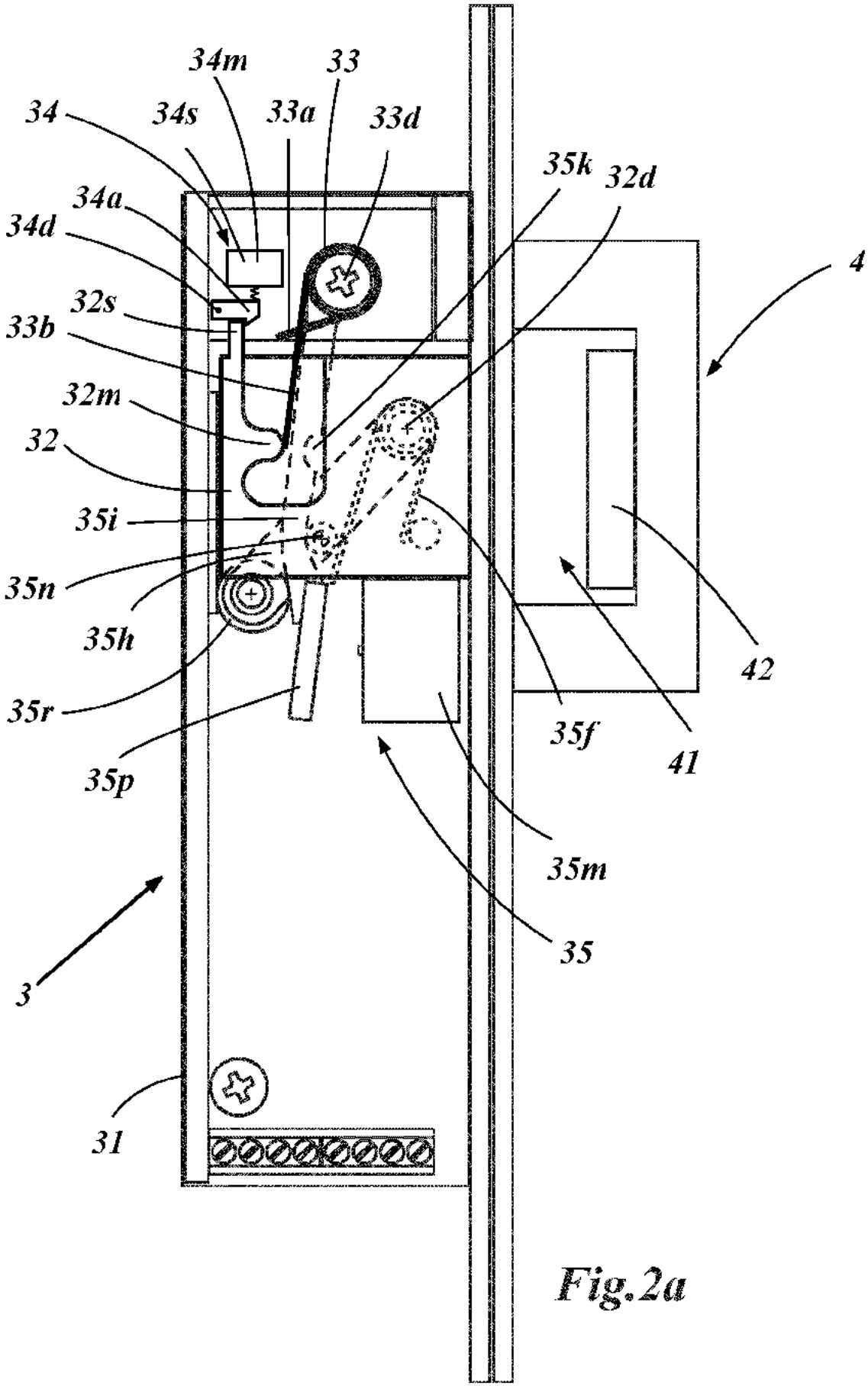


Fig.2a

Publication data including kind & date

EP3299547	A1	2018-03-28	EP3299547
EP3299548	A1	2018-03-28	EP3299548
EP3299549	A1	2018-03-28	EP3299549
EP3299550	A1	2018-03-28	EP3299550

EP3299555	A1	2018-03-28	EP3299555
EP3299560	A1	2018-03-28	EP3299560

Abstract

(EP3299547)

Locking (1) device for in a frame (5) movably mounted fan (6), preferably locking device for a door in a building, comprising a frame or (5) wing (6) -mounted latch assembly (3) and a vane (6) or frame (5) mount latch receptacle (4). It is provided, that the locking assembly (3) movably mounted, as the case or bar shaped locking (32) element and an electrically actuatable locking retainer (35) and the locking (32) element in a locking position by the electrically switchable locking retainer (35) is stopped.

It is essential, that the locking receptacle and (4) /or the locking (32) element a magnetic (42) device has, and the latch (32) member by magnetic force of the (42) magnetic means in the locked position and in engagement with the latch receiver (41) is movable. Further more, off element with (32) an unlocking position of the input to the electric lock retainer (35) latch member (32) from engagement with the magnet (42) is movable, by the latch (32) element or/and the magnet (42) is operated or are.

Inventors

HOLZER MICHAEL

Latest standardized assignees - inventors removed

ASSA ABLOY SICHERHEITSTECHNIK

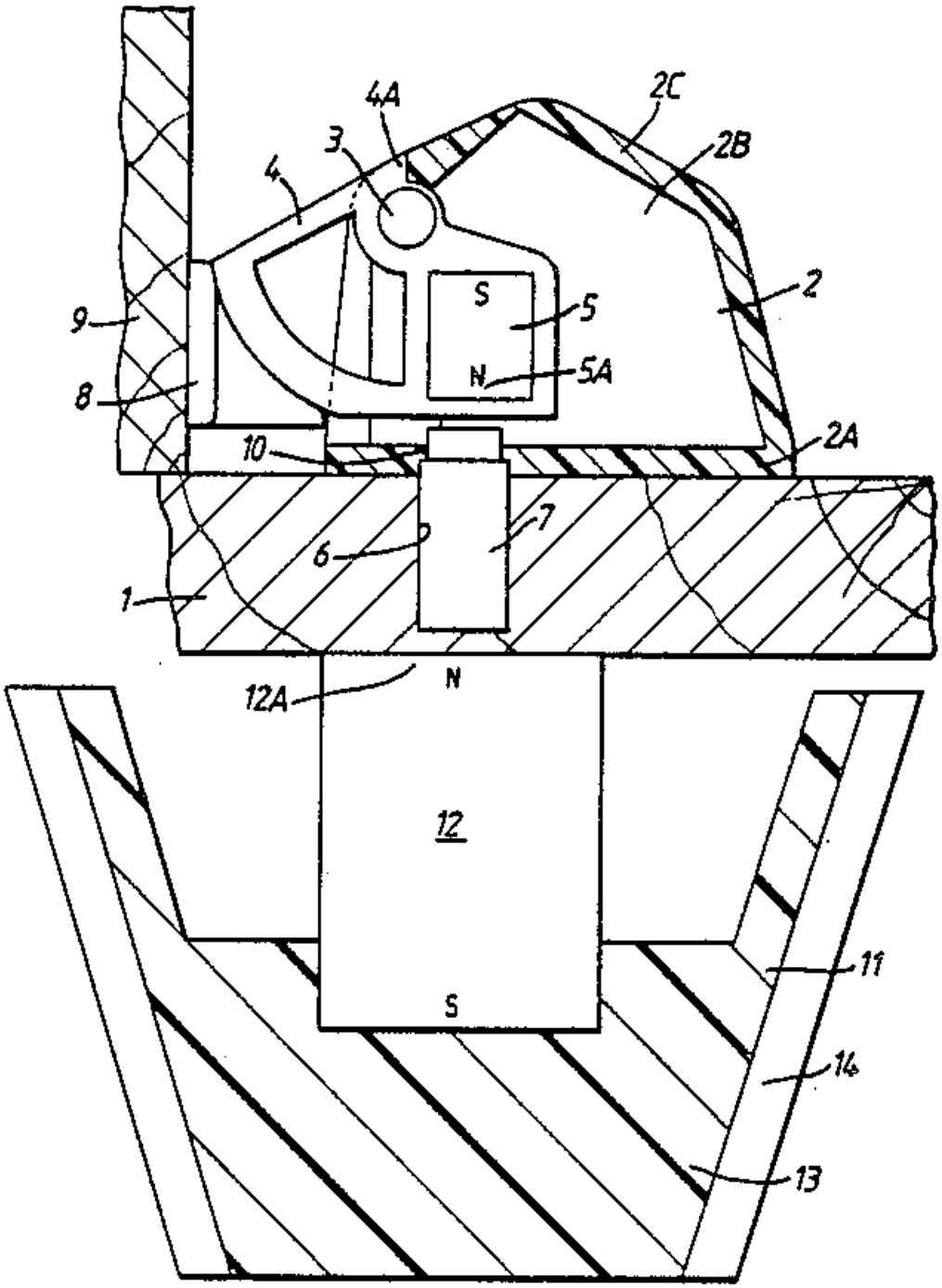
Family 13/200 - FAMPAT - ©Questel

Title

(US4919464)

Magnetically operated latch

Images



Publication data including kind & date

US4919464	A	1990-04-24	US4919464
AU585165	B2	1989-06-08	AU-585165
AU7560587	A	1989-01-19	AU8775605
GB8527425	D0	1985-12-11	GB8527425

Abstract

(US4919464)

A magnetically operated latch includes one or two latching members, the or each member including a permanent magnet and being turnable or slidable between an engaging position and a disengaged position, and a further member of magnetically soft material which attracts the magnet(s) to displace the latching member(s) into the engaging position(s). To disengage the latching member(s) a further magnet is brought to a position in which it acts repulsively on the permanent magnet(s) by way of the further member.

Inventors

RICHARDS ROGER C

Latest standardized assignees - inventors removed

RICHARDS R C

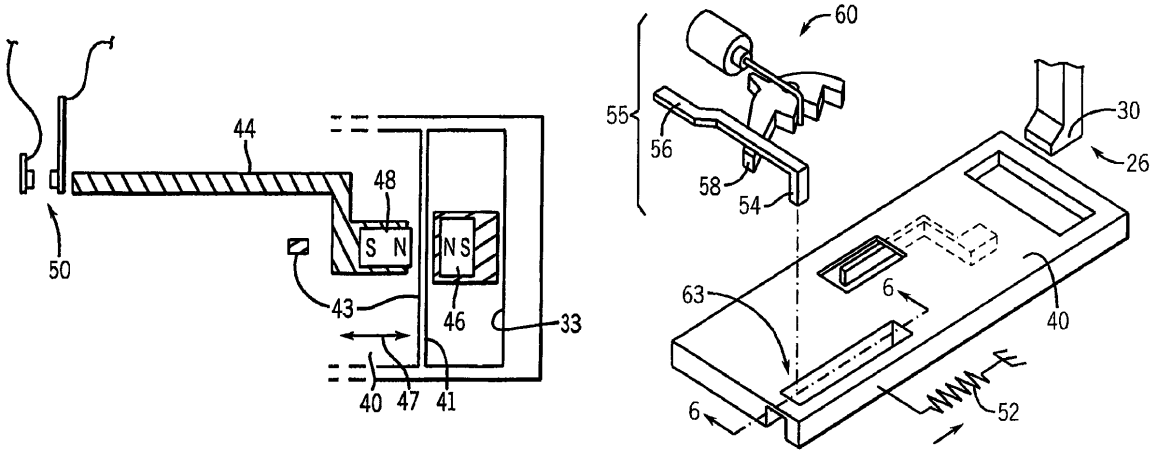
Family 14/200 - FAMPAT - ©Questel

Title

(WO2011109235)

Lid lock with magnetic anti-tamper feature

Images



Publication data including kind & date

KR101779158	B1	2017-09-18	KR101779158
CN102782202	B	2015-09-23	CN102782202B
US8736406	B2	2014-05-27	US8736406
KR20130036186	A	2013-04-11	KR20130036186
US20120312594	A1	2012-12-13	US20120312594
CN102782202	A	2012-11-14	CN102782202
WO2011/109235	A1	2011-09-09	WO2011109235

Abstract

(WO2011/109235)

A latch for a washing machine (10) or other appliance provides two interengaging elements on a lid (12) and housing (21) each having a magnet oriented for mutual repulsion. Proper repulsion of the magnets is necessary to signal that the (12) lid is properly closed such as may be used to determine if the appliance may be locked and safely operated, for example, in a clothes spinning mode.

Inventors

HAPKE KENYON A

BRAGG JOEL C

HINTZ MICHAEL K

MCDONALD RANDY S

HECKENKAMP MARK R

OLSON JONATHAN H

TENGLER ADRIAN J

SULIK JAROD M

Latest standardized assignees - inventors removed

ITW - ILLINOIS TOOL WORKS

Family 15/200 - FAMPAT - ©Questel

Title

(US5782512)

Magnetic field latch assembly

Images

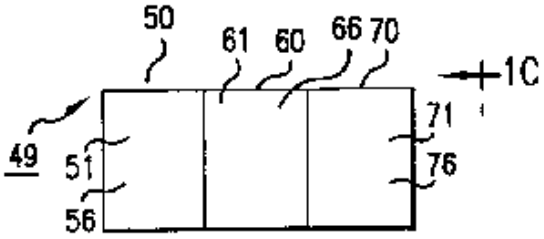
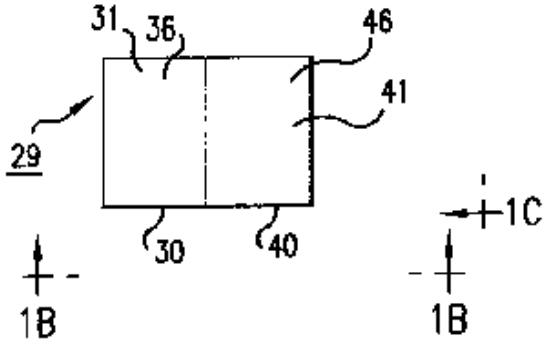


FIG.1A



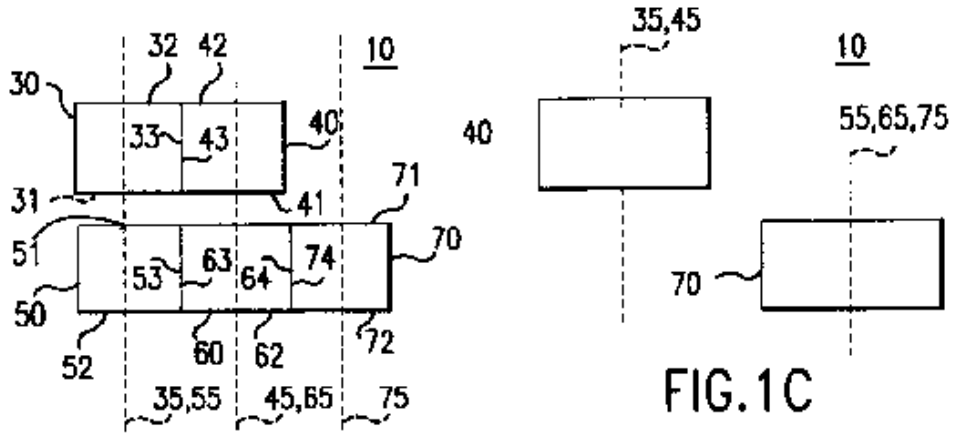


FIG.1C

FIG.1B

Publication data including kind & date

US5782512 A 1998-07-21 US5782512

Abstract

(US5782512)

A magnetic field latch assembly for an apparatus having a first element and a second element with the second element having a disengaged position and an engaged position with respect to the first element. The magnetic field latch assembly employs permanent or electromagnets for shock absorption, positioning and latching the first element and the second element. The magnetic field latch assembly includes magnets associated with the first and second elements such that as

the first and second elements approach each other, the magnets initially repel each other causing a braking force to slow the relative motion of the first and second elements. When the first and second elements are in the engaged position, the magnets hold the first and second elements in position and minimize vibration and chatter.

Inventors

CARGNONI JAMES P

Latest standardized assignees - inventors removed

XEROX

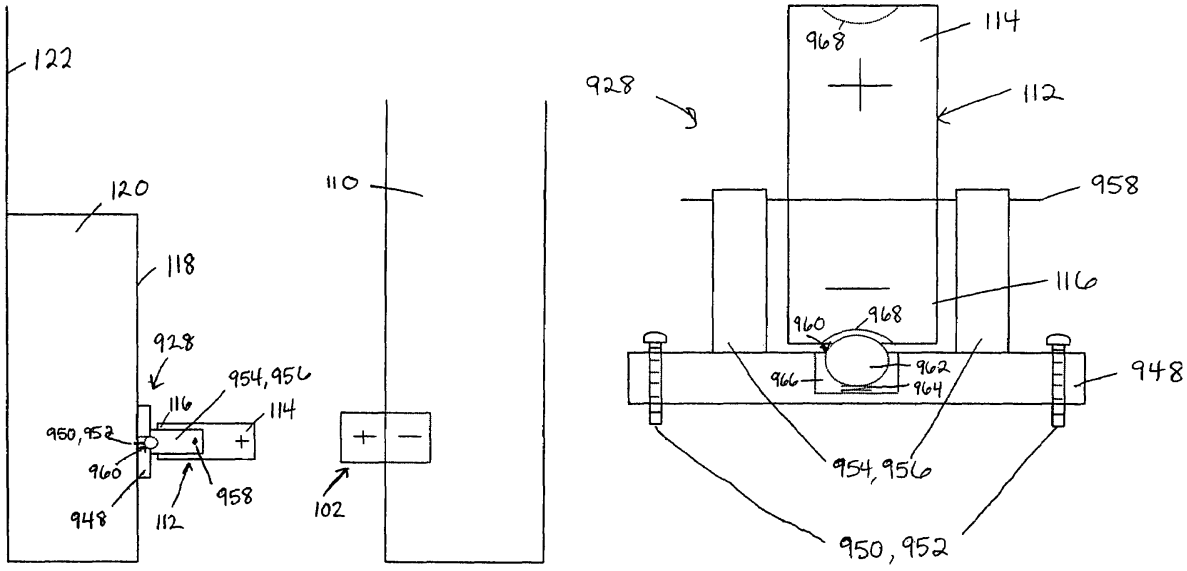
Family 16/200 - FAMPAT - ©Questel

Title

(US7637543)

Reversible magnetic door stop/latch

Images



Publication data including kind & date

US8540292	B2	2013-09-24	US8540292
US20100162523	A1	2010-07-01	US20100162523
US7637543	B2	2009-12-29	US7637543
US20070267875	A1	2007-11-22	US20070267875

Abstract

(US20070267875)

A magnetic door stop/latch contains a first magnet mounted on or within a door and a second magnet mounted on or within a structure opposing the door, such as a wall, door jamb, door frame or baseboard. When the door is moving towards the opposing structure, the magnetic door stop may used to prevent the door from slamming into the opposing structure by virtue of the repulsive forces of the magnets. The magnetic door stop may be switched from repulsive configuration to an attractive configuration that holds the door in position.

Inventors

FERGUSON EDWARD B

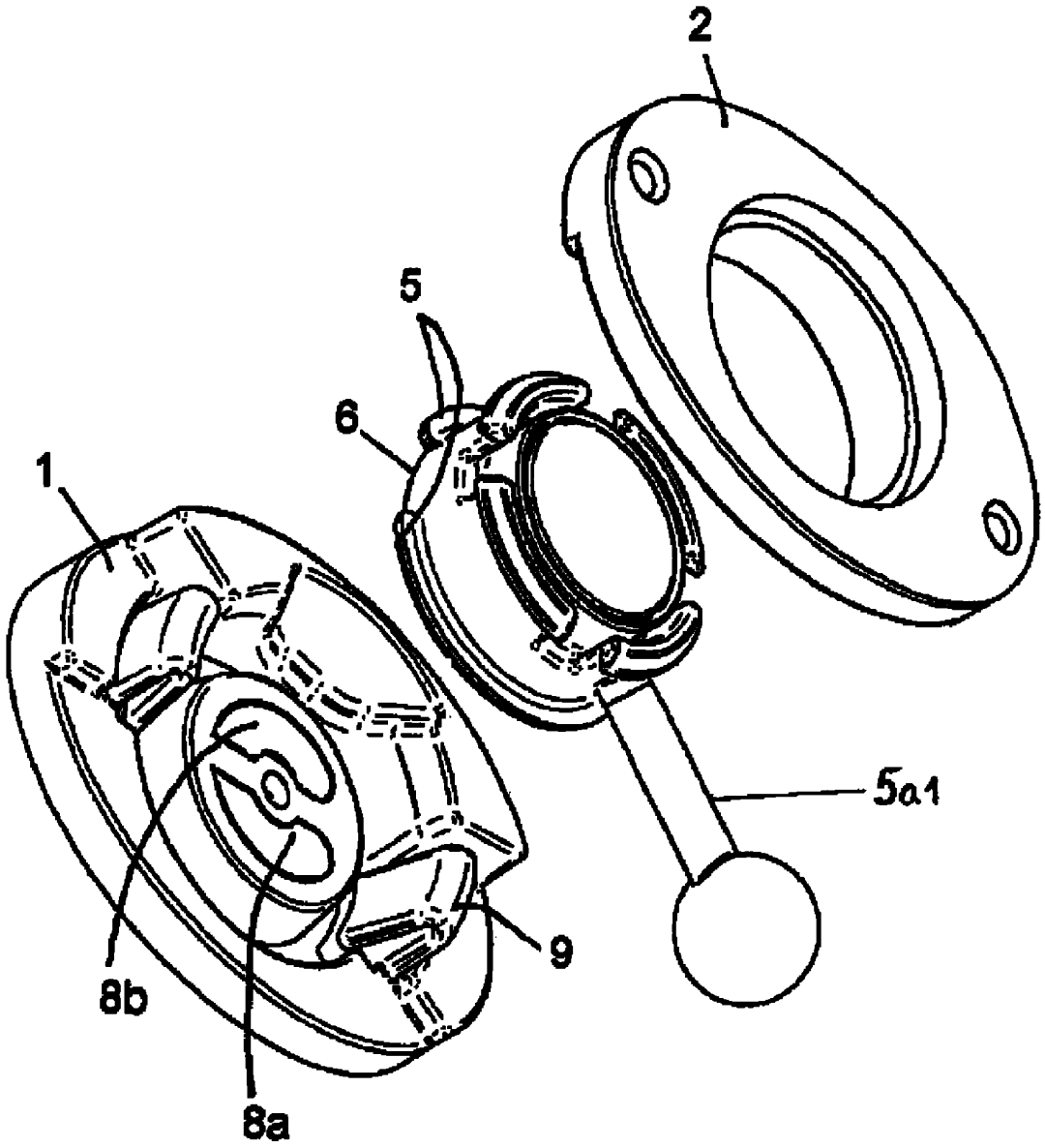
Family 17/200 - FAMPAT - ©Questel

Title

(EP2040572)

Mechanic-magnetic connecting structure

Images



Publication data including kind & date

IN309795	B	2019-03-25	IN-309795
PL2436280	T3	2017-12-29	PL2436280
ES2632754	T3	2017-09-15	ES2632754
EP2436280	B1	2017-05-24	EP2436280
HK1140388	A1	2013-06-07	HK1140388
US8430434	B2	2013-04-30	US8430434
CA2681141	C	2013-04-09	CA2681141
CN101646362	B	2012-12-12	CN101646362B
EP2040572	B1	2012-12-05	EP2040572
AU2007272165	B2	2012-10-04	AU2007272165
JP5060554	B2	2012-08-10	JP5060554
EP2436280	A1	2012-04-04	EP2436280
KR101130654	B1	2012-04-02	KR101130654
RU2415623	C2	2011-04-10	RU2415623
US20100283269	A1	2010-11-11	US20100283269
RU2009104626	A	2010-08-20	RU2009104626
CN101646362	A	2010-02-10	CN101646362
JP2009542380	A	2009-12-03	JP2009542380

IN0319/MUMNP/2009	A	2009-05-15	IN2009MN00319
KR20090033469	A	2009-04-03	KR20090033469
EP2040572	A2	2009-04-01	EP2040572
WO2008/006357	A3	2008-06-05	WO200806357
WO2008/006357	A2	2008-01-17	WO200806357
AU2007272165	A1	2008-01-17	AU2007272165
CA2681141	A1	2008-01-17	CA2681141

Abstract

(EP2040572)

The invention relates to a connecting structure which comprises the following features: a locking device having a spring-loaded locking element (9) and a locking element (5) for locking the connecting modules, and a magnet/armature structure having a magnet (4) and an armature (8). The locking device and the magnet/armature structure are functionally linked by the following features: the magnet (4) and the armature (8) can be displaced, the magnet (4) or the armature (8) is coupled to the locking bar (5) via a coupling element (7) so that the locking element (5), when displaced between the magnet (4) and the armature (8), can be brought into a non-locking position. The magnetic force is chosen in such a manner that the connecting modules are pulled towards each other during closing, the spring-loaded locking element (9) pushing against the locking element (5) until it snaps into engagement and the magnetic force is weaker during release once the locking position of the locking element (5) and the spring-loaded locking element (8) is reached in order to separate the module. The structure also comprises return elements for returning the locking element (5) to its initial position.

Inventors

FIEDLER JOACHIM

Latest standardized assignees - inventors removed

FIDLOCK

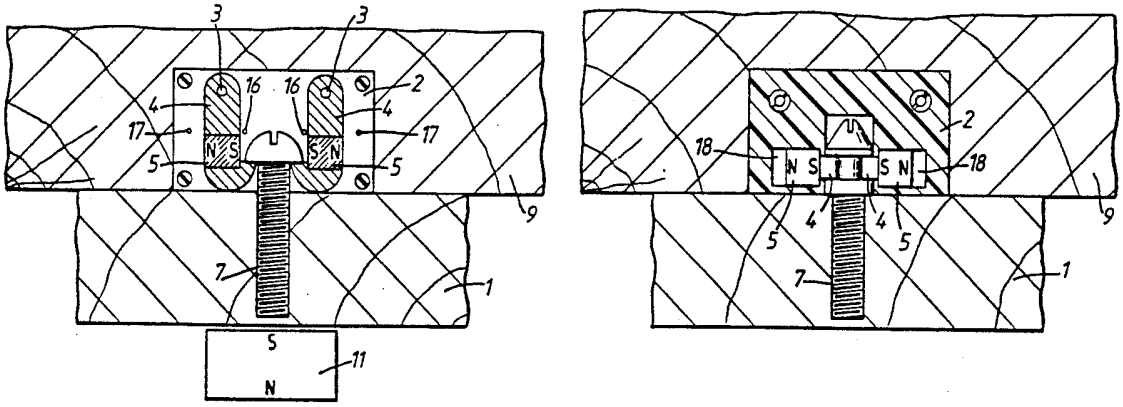
Family 18/200 - FAMPAT - ©Questel

Title

(US5076623)

Magnetically operated latch

Images



Publication data including kind & date

CA1328474	C	1994-04-12	CA1328474
US5076623	A	1991-12-31	US5076623

Abstract

(US5076623)

A magnetically operated latch includes one or two latching members, the or each member including a permanent magnet and being turnable or slidable between an engaging position and a disengaged position, and a further member of a magnetically soft material which attracts the magnet(s) to displace the latching member(s) into the engaging position(s). To

disengage the latching member(s) a further magnet is brought to a position in which it acts repulsively on the permanent magnet(s) by way of the further member.

Inventors

RICHARDS ROGER C

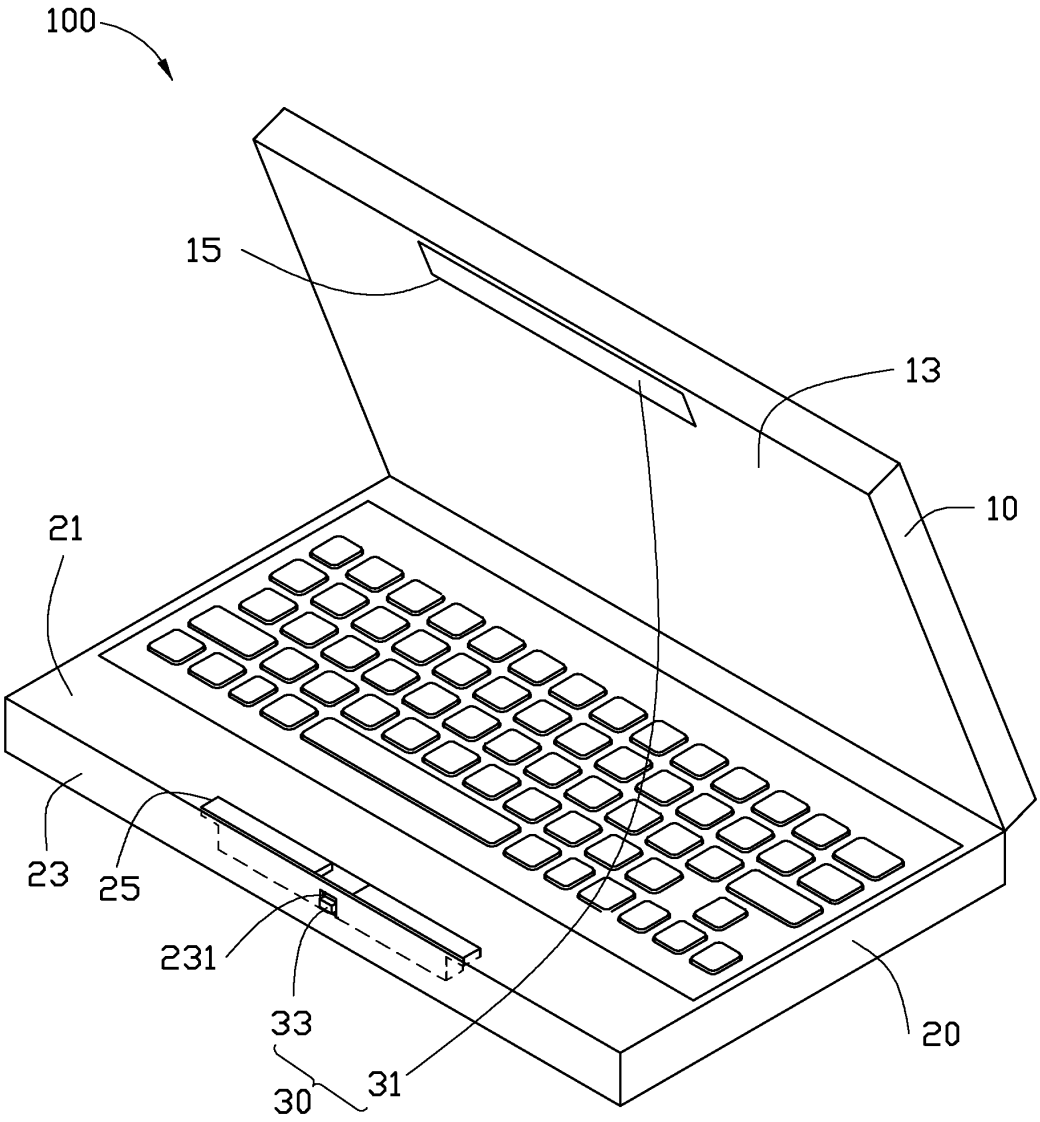
Family 19/200 - FAMPAT - ©Questel

Title

(US8251411)

Latching mechanism and electronic device using the same

Images



Publication data including kind & date

TWI469711	B	2015-01-11	TWI469711
US8251411	B2	2012-08-28	US8251411
TW201132271	A	2011-09-16	TW201132271
US20110215686	A1	2011-09-08	US20110215686

Abstract

(US20110215686)

A latching mechanism includes an engaging member made of magnetically conductive material and a magnetic assembly. The magnetic assembly includes a magnetic member and two fixing members made of magnetically conductive material. The magnetic member is capable of contacting the fixing member to magnetize the fixing member to attract the engaging

member, and capable of being detached from the at least one fixing member with the magnetic field being shielded by the at least one fixing member to release the engaging member. The present disclosure further provides an electronic device using the latching mechanism.

Inventors

YANG KUO-LUNG

Latest standardized assignees - inventors removed

HON HAI PRECISION INDUSTRY

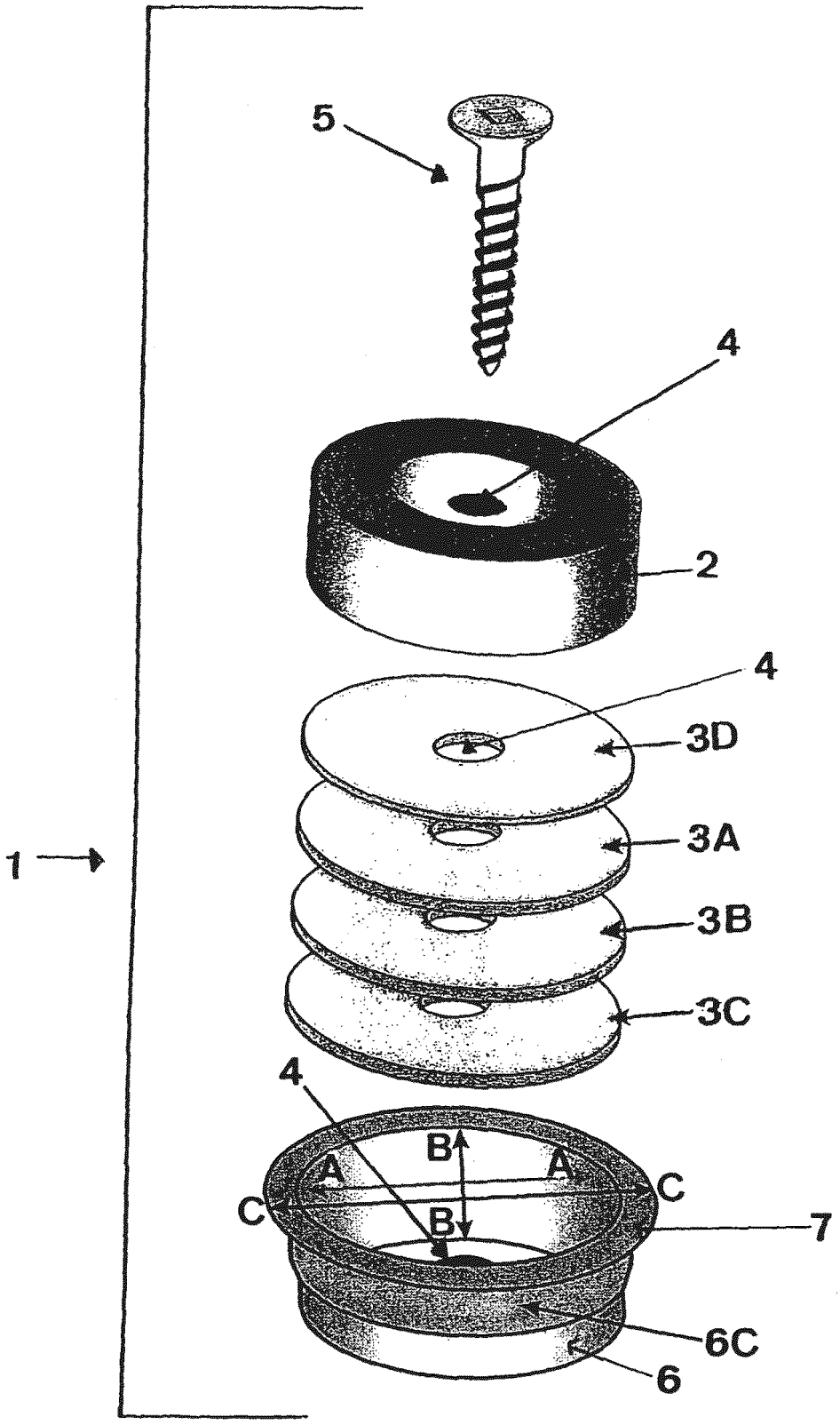
Family 20/200 - FAMPAT - ©Questel

Title

(WO2009142513)

A closure mechanism

Images



Publication data including kind & date

US8864188	B2	2014-10-21	US8864188
AU2009249902	B2	2013-08-22	AU2009249902
GB2472171	B	2012-09-26	GB2472171
US20110080009	A1	2011-04-07	US20110080009
GB2472171	A	2011-01-26	GB2472171
GB201019352	D0	2010-12-29	GB201019352
NZ568456	A	2010-10-29	NZ-568456

WO2009/142513	A1	2009-11-26	WO2009142513
AU2009249902	A1	2009-11-26	AU2009249902

Abstract

(WO2009/142513)

A closure mechanism and in particular to a magnetically operated closure mechanism for doors and the like which includes a first and second magnetic assembly, each of said magnetic assembly comprising a magnet; and a housing to house the magnet, wherein at least one magnetic assembly includes an adjustment mechanism to adjust the position of the magnet relative to its housing.

Inventors

REDGRAVE RODERICK NIGEL

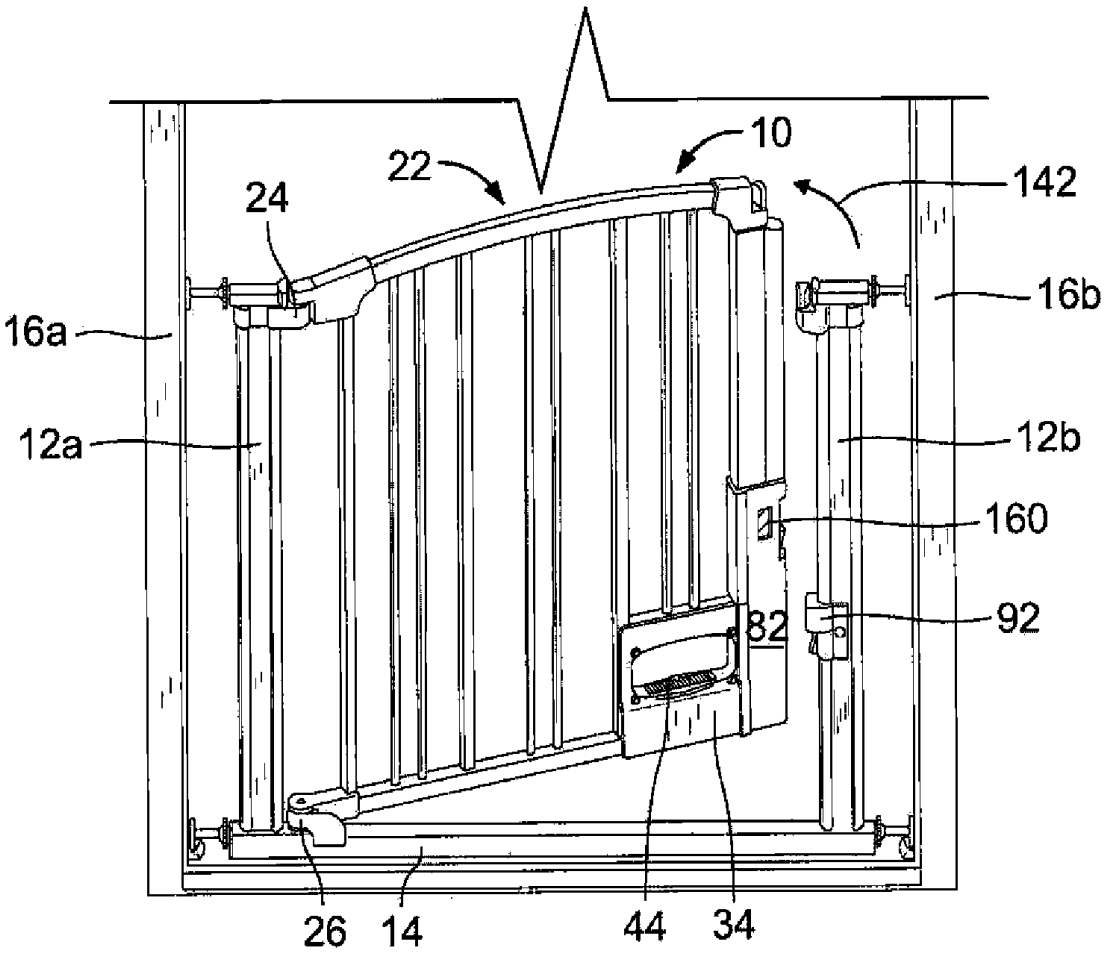
Family 21/200 - FAMPAT - ©Questel

Title

(US20110225890)

Gate with foot-operated latching mechanism

Images



Publication data including kind & date

US20110225890	A1	2011-09-22	US20110225890

Abstract

(US20110225890)

A gate for selectively restricting passage through a passageway includes a frame having a sill and first and second door jambs adapted for mounting within the passageway. A door is mounted by hinges to the first door jamb while a latch receptacle is mounted to the second door jamb. A pedal is movably mounted to the door as is a latch element. The latch element is slidable between an extended position, where the latch element engages the latch receptacle so that the door of

the gate is locked in a closed position, and a retracted position, where the latch element is removed from the latch receptacle so that the door may be moved into an open position. A sliding linkage is connected between the pedal and the latch element so that the latch element is moved into the retracted position when the pedal is actuated. A magnet is positioned in the latch element and in the latch receptacle so as to pull the latch element into the extended position when the latch element is not engaged by the sliding linkage.

Inventors

GREENWOOD MARK

SCHILT PIET

Latest standardized assignees - inventors removed

KIDCO

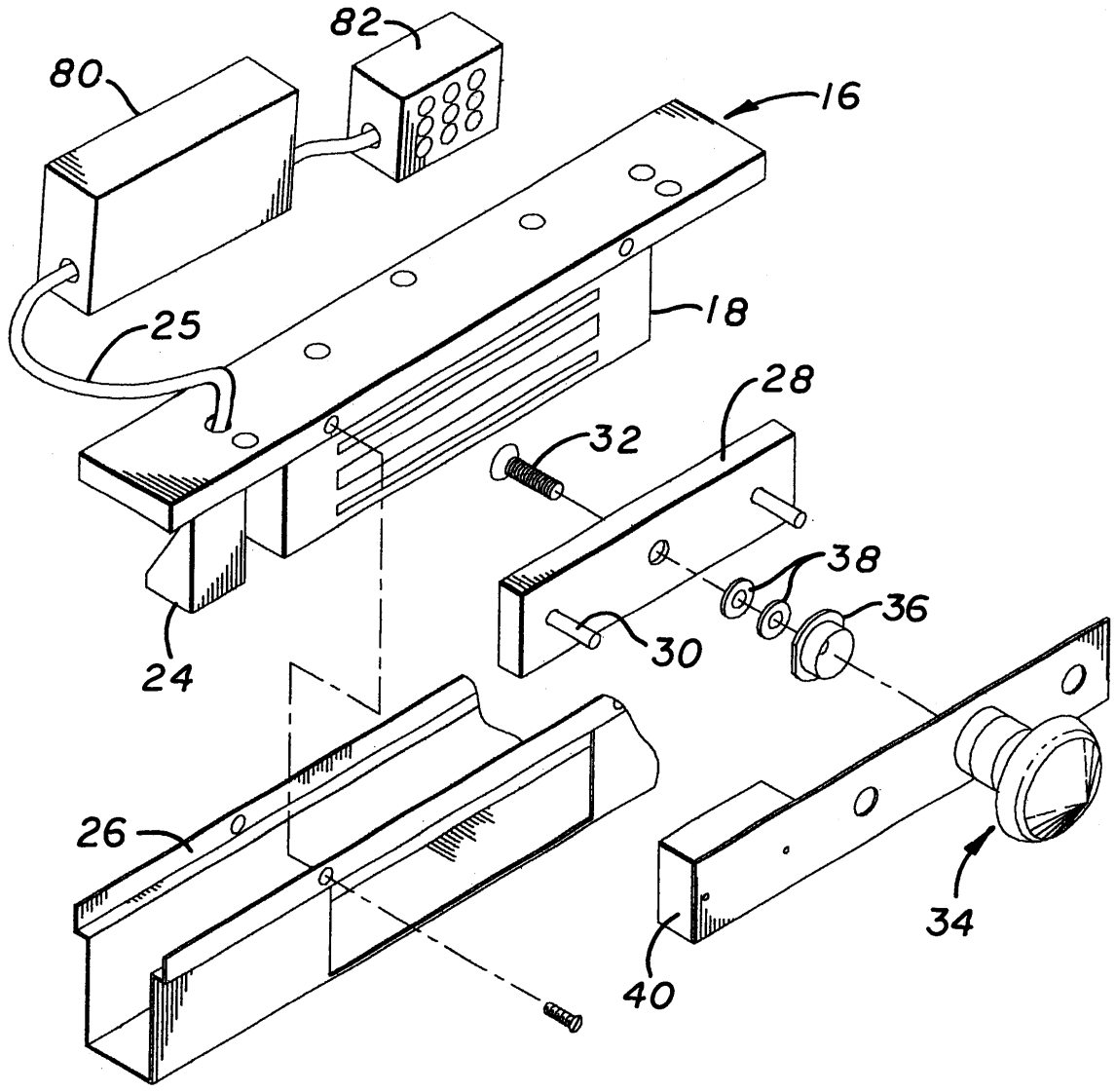
Family 22/200 - FAMPAT - ©Questel

Title

(US6609738)

Electromagnetic door lock system

Images



Publication data including kind & date

US6609738 B1 2003-08-26 US6609738

Abstract

(US6609738)

An electromagnetic door lock system, allowing emergency exiting of a building, including an armature mount allowing considerable outward movement of the door with respect to the door frame on which the electromagnet is mounted,

whereby outward movement of the door initiates a time delay door release, and gives an increased reassurance that the door will open in an emergency, and allows for improved tamper resistance and reduced false alarms, as the distance the door opens out of the door frame in response to actuation of a panic bar from within is greater than that of conventional systems. A tamper resistant door position sensor includes redundant magnetic reed switches for sensing the position of the door and can include an additional reed switch for detecting when an external magnet is placed near the sensor in an attempt to tamper with the system.

Inventors

ROTH THOMAS
WOJDAN DENNIS
FRALLICCIARDI VINCENT
COOK ROBERT

Latest standardized assignees - inventors removed

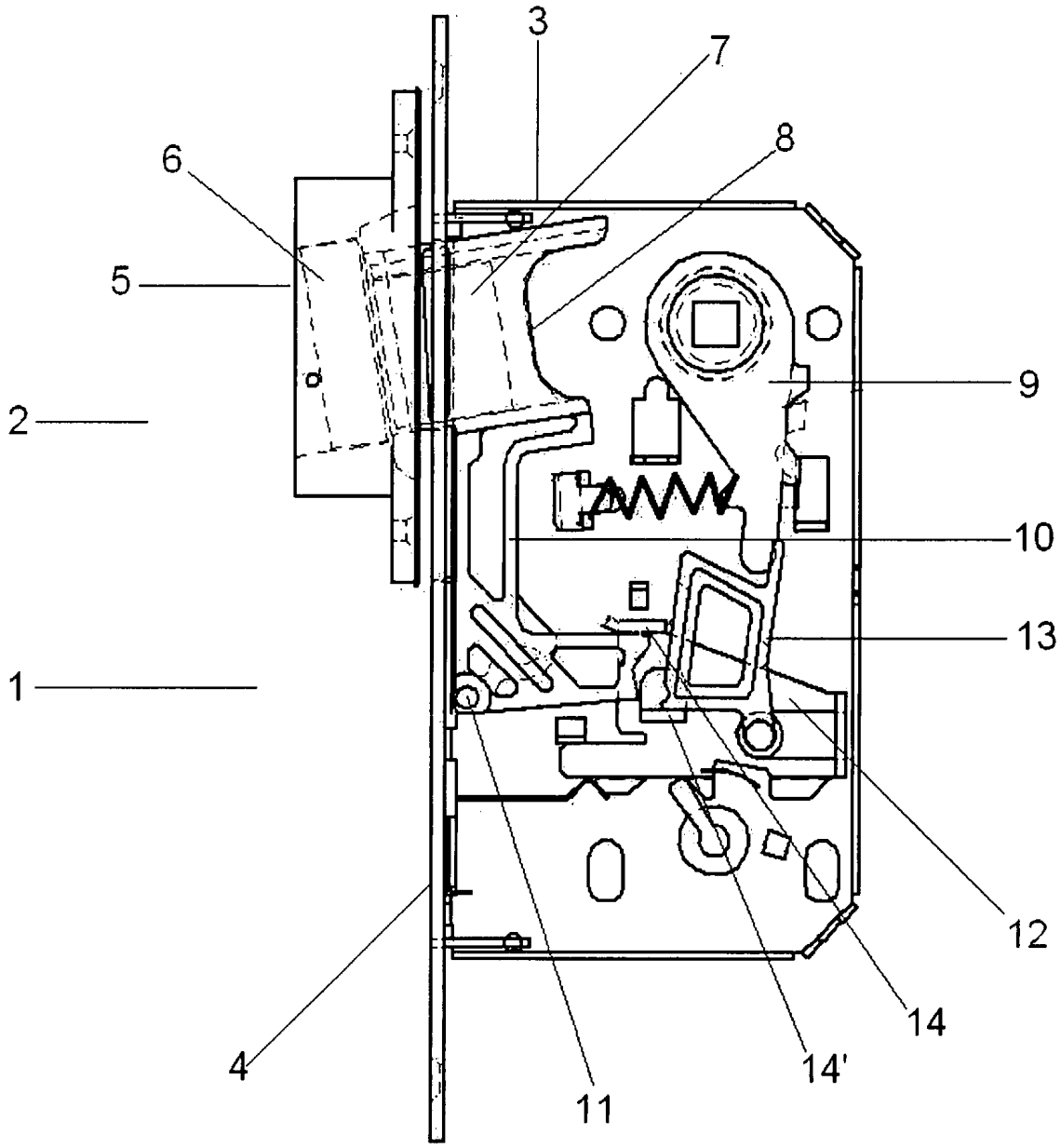
HANCHETT ENTRY SYSTEMS

Family 23/200 - FAMPAT - ©Questel

Title

(US20080012359)
Magnetic action lock

Images



Publication data including kind & date

US20080012359	A1	2008-01-17	US20080012359
ITMI20061352	A1	2008-01-13	IT2006MI1352

Abstract

(US20080012359)

Magnetic action lock for inside doors, comprising a case fixed in a cavity of the impost wing of the door and a frontal closure plate, a strike in the jamb of the door which can be opposed to said frontal plate, a bolt and a mechanism for movement of said bolt, a pair of magnets inserted in the head of said bolt and in said strike respectively, wherein the position of opening of said bolt is obtained thanks to the concatenation of magnetic flows between the magnet in said bolt and the frontal closure plate, while the position of closure is achieved thanks to the attraction of the magnet in said bolt by the magnet in said strike, wherein the magnets have the poles oriented parallel to the axis of motion of said bolt, the case and the frontal closure plate are in ferromagnetic material and the strike is in a non-magnetic material.

Inventors

ASCHIERI GIOVANNI

Latest standardized assignees - inventors removed

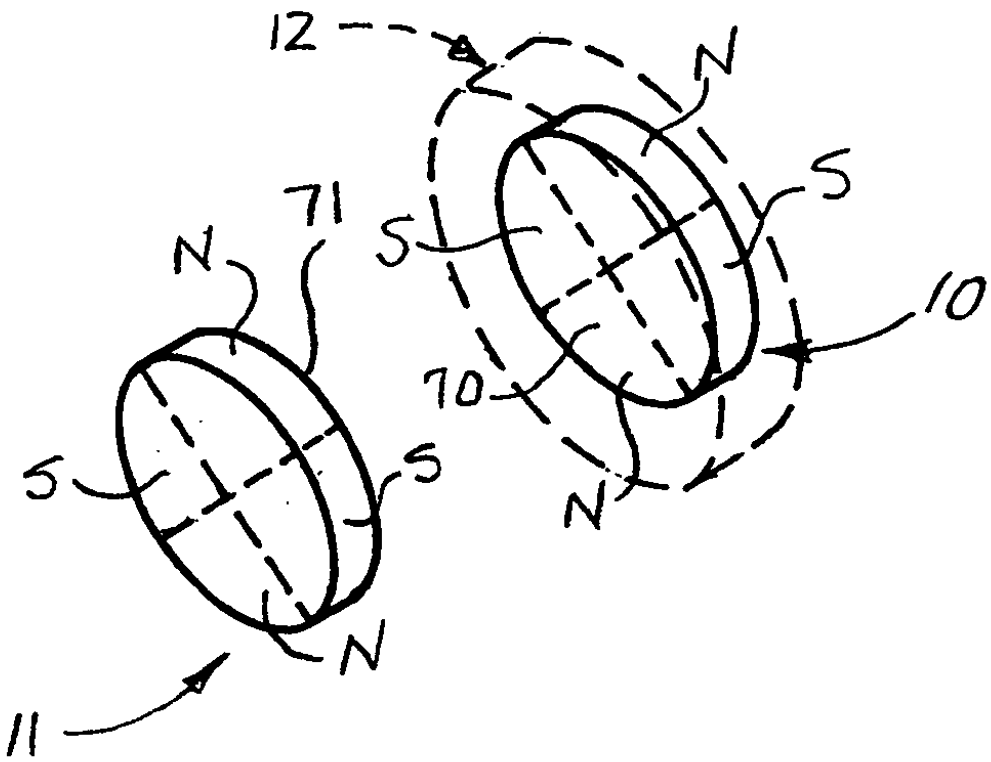
BONAITI SERRATURE

Title

(US20070007775)

Rotatable bipolar phased magnetic locking system for door

Images



Publication data including kind & date

US20070007775 A1 2007-01-11 US20070007775

Abstract

(US20070007775)

A magnetic entry system utilizes opposing polar magnets. At least one of the magnets is rotatable between a first position in which poles of the magnets attract and a second position in which poles of the magnets repel. The magnets are positioned with respect to one another such that the magnets must be pulled apart along a line of travel that is generally normal to planar opposing surfaces of the mangets.

Inventors

GALLAS WILLIAM N
BANYAI CHRISTOPHER J
LANGLEY TODD C
MAURITZ KARL H

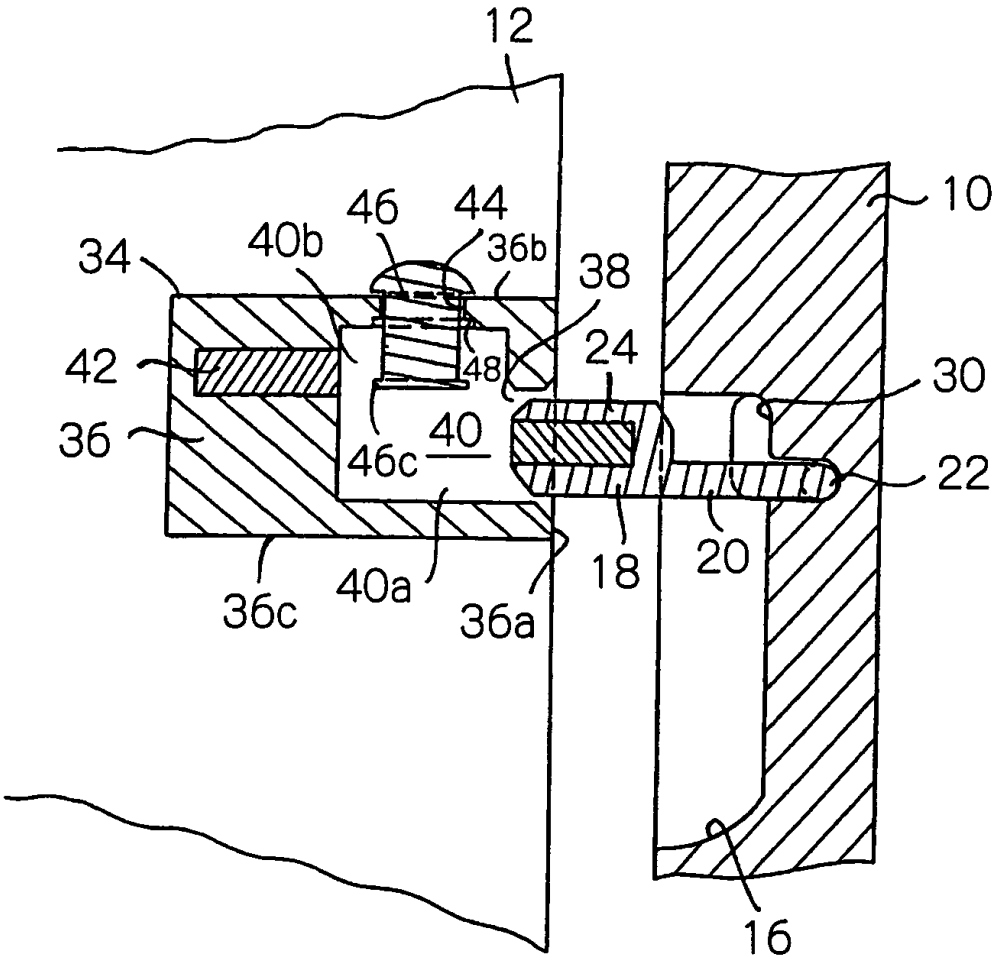
Family 25/200 - FAMPAT - ©Questel

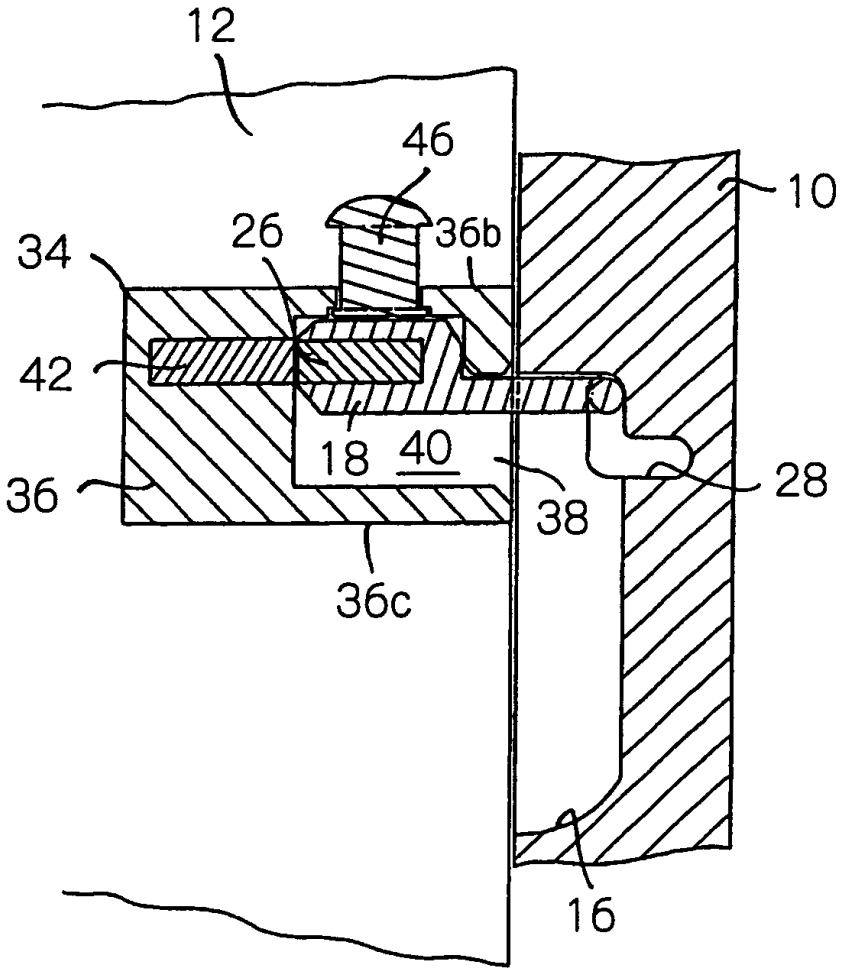
Title

(US7234739)

Magnetic latch assembly

Images


12
10
46
44
40b
36b
34
38
42
48
24
30
36
40
46c
22
18
20
36c
40a
36a
16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36b
34
42
18
40
28
36
38
36c
16

Publication data including kind & date

US7234739	B2	2007-06-26	US7234739
US20060175842	A1	2006-08-10	US20060175842

Abstract

(US20060175842)

A magnetic latch assembly includes a latch member movably mounted to a first object such as a door, and a retainer arranged in a second, opposing object such as a door frame. The latch member includes a latch arm, a hook formed on the distal end of the latch arm, and a first magnet mounted in the hook. The retainer includes a housing with a cavity and a second magnet. The cavity includes a first horizontal passage and a second vertical passage communicated with the horizontal passage. The second magnet has a magnetic pole of opposite polarity from the magnetic pole of the first magnet. When the first and second objects are relatively moved toward each other, the latch arm is moved into the first passage of the cavity. When the latch head is completely received in the first passage, the two magnets are operatively associated to cause the latch member to be moved from the horizontal passage to the vertical passage and urge the latch member or head into latching engagement with one end of the housing which serves as a retainer.

Inventors

SAITOH MASATOSHI

NEGISHI TOHRU

Latest standardized assignees - inventors removed

WASHIN OPTICAL

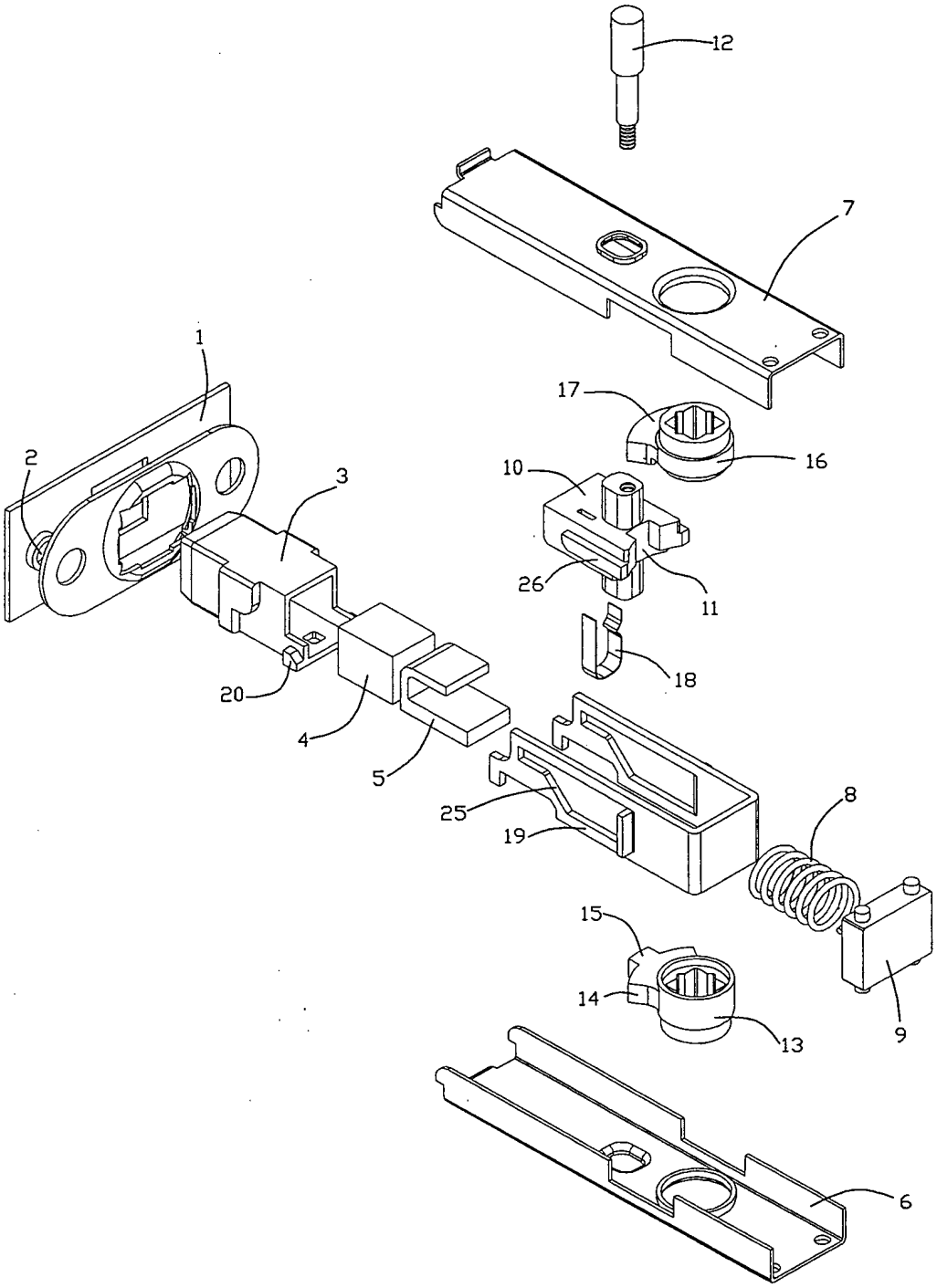
Family 26/200 - FAMPAT - ©Questel

Title

(EP2394008)

Locking device with magnetic actuation for doors

Images



Publication data including kind & date

IT1400375	B1	2013-05-31	IT1400375
CN102308052	A	2012-01-04	CN102308052
EP2394008	A1	2011-12-14	EP2394008
US20110277517	A1	2011-11-17	US20110277517
WO2010/089069	A1	2010-08-12	WO201089069
ITMI20090140	A1	2010-08-05	IT2009MI0140

Abstract

(EP2394008)

Locking device with magnetic actuation which is reversible so as to be suitable both for right-hand doors and for left-hand doors, comprising a frontal plate (1) for the fixing on the impost wing of the door, a strike (21) for the fixing on the jamb of the door in a position which can be opposed to said frontal plate, a magnet housed inside said strike, a bolt, a second magnet (4) housed inside said bolt (3) and a driving mechanism made up of two pawls (13), (16), one (13) of which controlled by outside handle and the other (16) by inside handle, a slide (19) for the driving of the bolt (3) and a system for

blocking the opening by outside handle, leaving, at the same time, opening by inside handle operational.

Inventors

ASCHIERI GIOVANNI

Latest standardized assignees - inventors removed

BONAITI SERRATURE

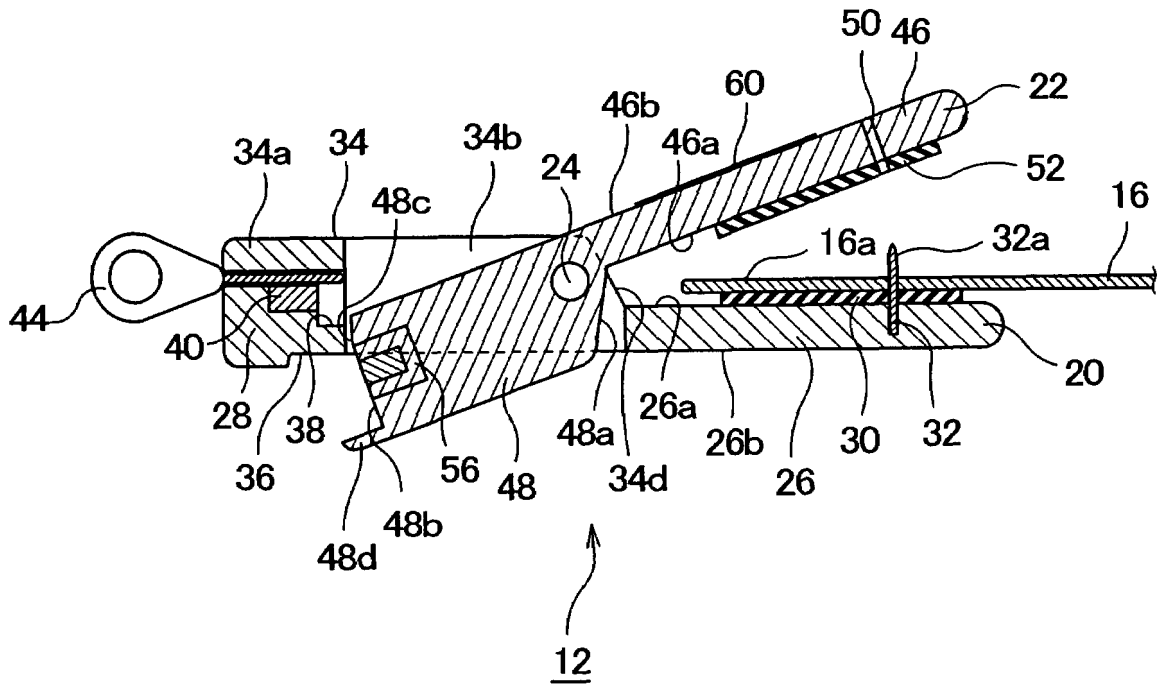
Family 27/200 - FAMPAT - ©Questel

Title

(EP1857622)

Clamp-on holder

Images



Publication data including kind & date

EP1857622	A3	2010-03-24	EP1857622
BRPI0703881	A2	2009-01-13	BR200703881
RU2007118608	A	2008-11-27	RU2007118608
US7441424	B2	2008-10-28	US7441424
JP4134205	B2	2008-06-06	JP4134205
NZ555310	A	2008-04-30	NZ-555310
SG137755	A1	2007-12-28	SG-137755
BRPI0703881	A1	2007-12-18	BR200703881
IN0668/KOL/2007	A	2007-12-14	IN2007KO00668
US20070283729	A1	2007-12-13	US20070283729
AU2007202282	A1	2007-12-06	AU2007202282
TW200743697	A	2007-12-01	TW200743697
JP2007307326	A	2007-11-29	JP2007307326
VN15785	A	2007-11-26	VN--15785
KR20070112016	A	2007-11-22	KR20070112016
EP1857622	A2	2007-11-21	EP1857622
CN101075389	A	2007-11-21	CN101075389
CA2587273	A1	2007-11-19	CA2587273

Abstract

(EP1857622)

A security tag holder (12) is releasably clamped onto a garment and includes first and second members (20, 22) coupled for relative pivotal movement about a pivot pin (24). The first member (20) includes clamping and locking regions (26, 28) at opposite sides of the pivot pin (24). The second member (22) includes clamping and locking regions (46, 48) at opposite side of the pivot pin. The first locking region (28) has a recess (38) and a fixed magnet (40). The second locking region (48) has a bore (54) and a movable magnet (58) movable between an unlocking position wherein the movable magnet (58) is received in the bore (54) and a locking position wherein the movable magnet (58) is partly inserted into the recess (38) and attracted to the fixed magnet (40). When the first and second members (20, 22) are urged against each other to clamp the garment, the movable magnet (58) is moved from its unlocking to locking position to lock the first and second members (20, 22) against relative pivotal movement.

Inventors

SAITOH MASATOSHI

NEGISHI TAKAKO

Latest standardized assignees - inventors removed

WASHIN OPTICAL

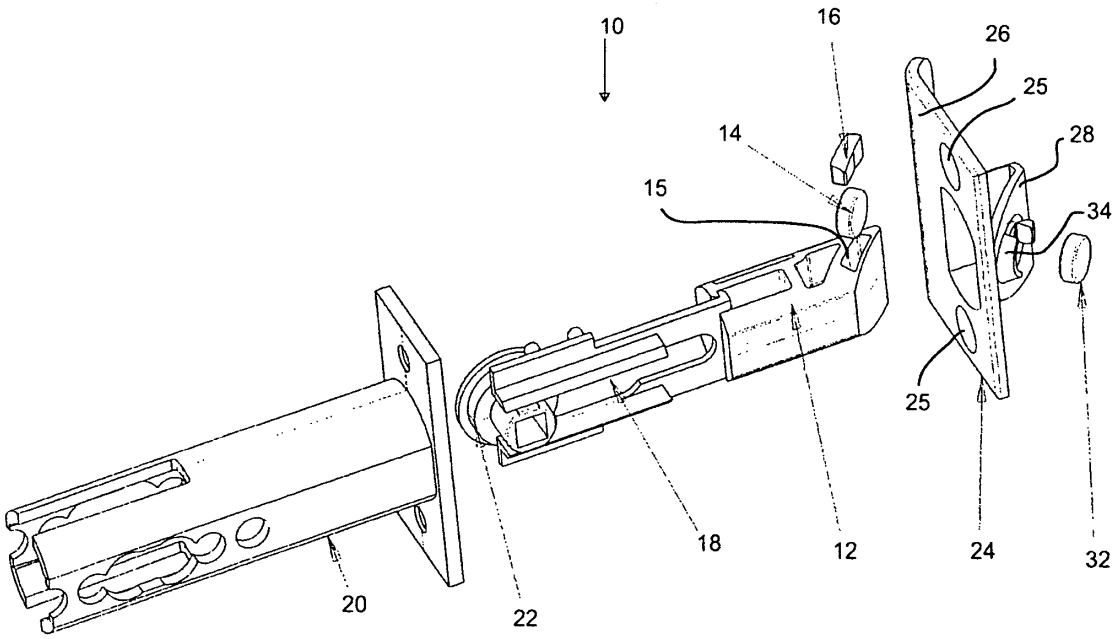
Family 28/200 - FAMPAT - ©Questel

Title

(WO200997685)

Door set with magnetic actuation

Images



Publication data including kind & date

CA2713955	C	2011-11-08	CA2713955
US7766399	B2	2010-08-03	US7766399
WO2009/097685	A1	2009-08-13	WO200997685
CA2713955	A1	2009-08-13	CA2713955
US20090195000	A1	2009-08-06	US20090195000

Abstract

(WO2009/097685)

The invention is directed at a door set assembly comprising: a latch portion; a first magnetic material, located within the

latch portion; a strike plate, the strike plate including a plate portion and a latch receiving portion; a second magnetic material, located within the latch receiving portion, the second magnetic material having a polarity opposite the first magnetic material; wherein when a door is closed, the magnets attract each other thereby pulling the latch portion into the latch receiving portion to secure the door closed.

Inventors

HOWEY KEVIN

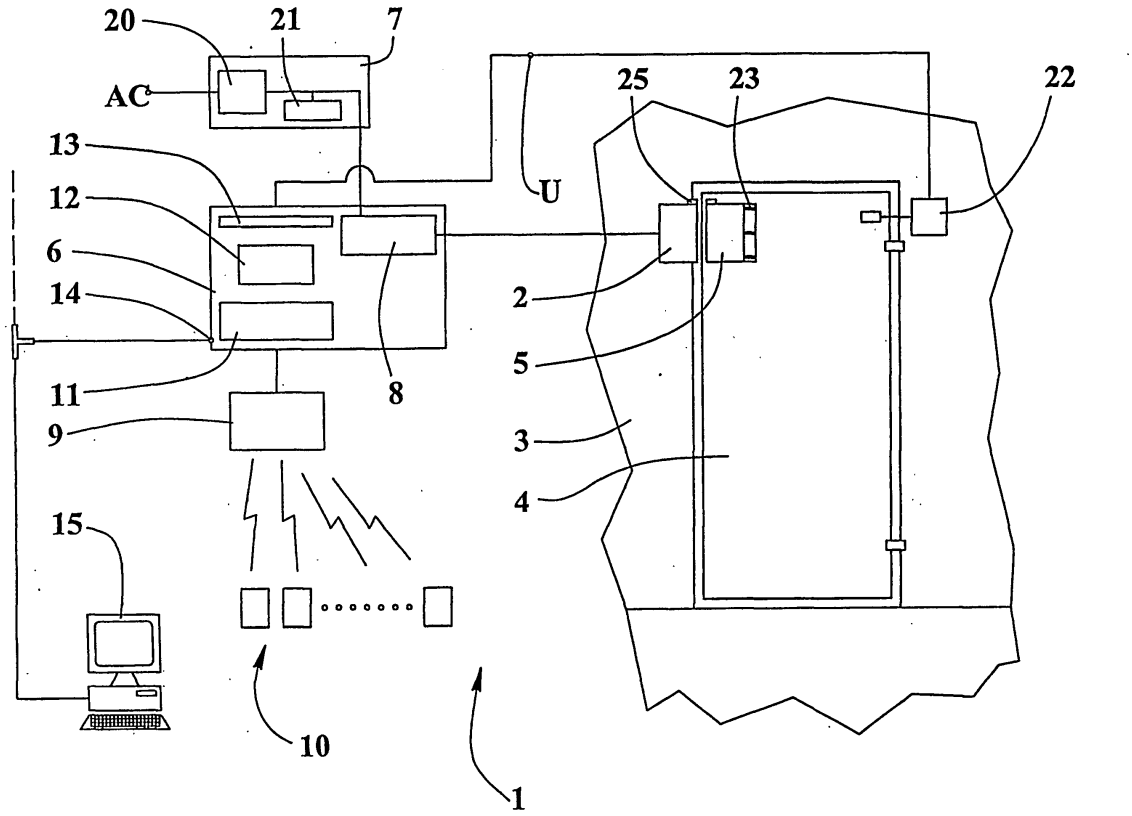
Family 29/200 - FAMPAT - ©Questel

Title

(EP1395958)

Magnetic lock device operated by means of transponder

Images



Publication data including kind & date

CY1110364	T1	2015-04-29	CY1110364
DE60225911	T2	2009-04-09	DE60225911
HK1065147	A1	2009-02-06	HK1065147
DK1395958	T3	2008-08-04	DK1395958T
ES2300448	T3	2008-06-16	ES2300448
DE60225911	D1	2008-05-15	DE60225911
PT1395958	E	2008-05-08	PT1395958
AT391320	T	2008-04-15	ATE391320
EP1395958	B1	2008-04-02	EP1395958
AU2002304396	B2	2007-08-23	AU2002304396
US20040222645	A1	2004-11-11	US20040222645
JP2004527677	A	2004-09-09	JP2004527677
EP1395958	A1	2004-03-10	EP1395958
WO02/097741	A1	2002-12-05	WO200297741
CA2448490	A1	2002-12-05	CA2448490
ITBO20010343	A1	2002-11-29	IT2001BO0343

ITBO20010343 D0 2001-05-29 IT2001BO0343

Abstract

(EP1395958)

A magnetic lock device operated by means of transponder is provided with at least an electromagnet mean (2) connected to a fixed portion (3) of a door (4) and with at least a keeper mean (5) fixed to the door (4) and, in a closing condition of this latter, facing the electromagnet mean (2). The device (1) includes: a control mean (6) for switching the electric supply of the electromagnet mean (2); a sensing mean (9) in data connection with the control mean (6) and fit to sense the proximity of a plurality of mobile transponders (10) each one associate to a respective operator. The control mean (6) is fit to interrupt the electric supply to the electromagnet mean (2) when the sensing means (9) senses the proximity of at least a transponder (10) and vice versa.

Inventors

PIRONE WALTER

TONI MAURO

ZENOBI MAURO

Latest standardized assignees - inventors removed

ANGELANTONI INDUSTRIE

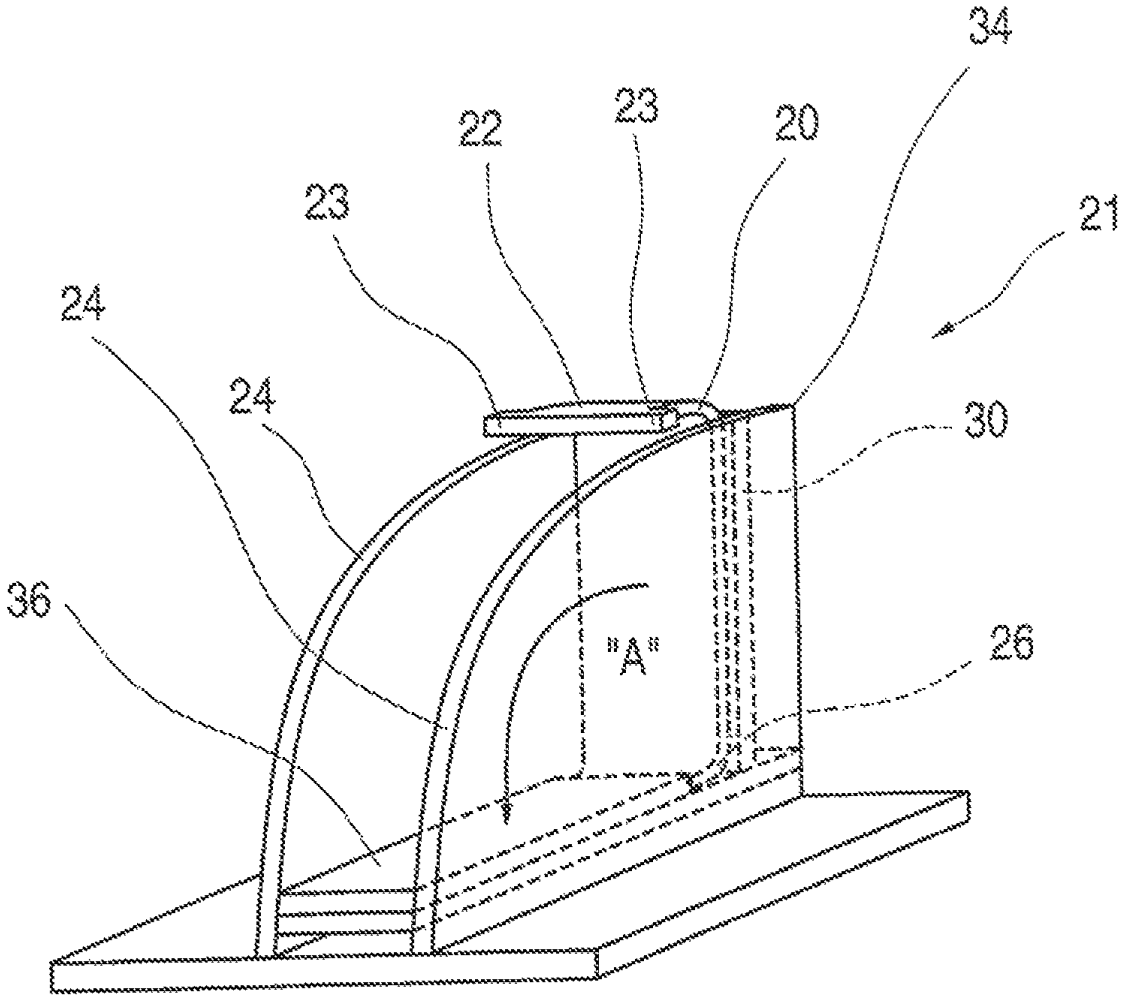
Family 30/200 - FAMPAT - ©Questel

Title

(WO2006133080)

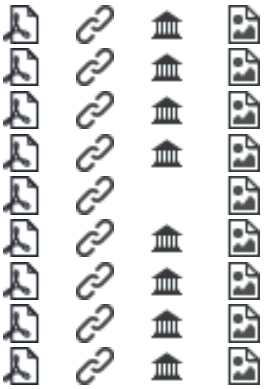
Shock-actuated lock

Images



Publication data including kind & date

US20140021728	A1	2014-01-23	US20140021728
US8449000	B2	2013-05-28	US8449000
US20110187251	A1	2011-08-04	US20110187251
CA2611113	C	2010-10-05	CA2611113
MX2007014962	A	2008-11-06	MX2007014962
WO2006/133080	A3	2007-04-05	WO2006133080
WO2006/133080	A2	2006-12-14	WO2006133080
US20060279091	A1	2006-12-14	US20060279091
CA2611113	A1	2006-12-14	CA2611113



Abstract

(WO2006/133080)

A lock that is actuated by an actuating force, such as that caused by an earthquake, for locking a door of a compartment or other enclosure. A magnet can be embedded on an inside surface of a door of the compartment. A displaceable component is provided within the compartment. An actuating force can displace a position of the displaceable component such that it can be aligned with the magnet. The displaceable component can be attracted to the magnet and thereby lock the door in a closed position.

Inventors

RHYNEER GEORGE

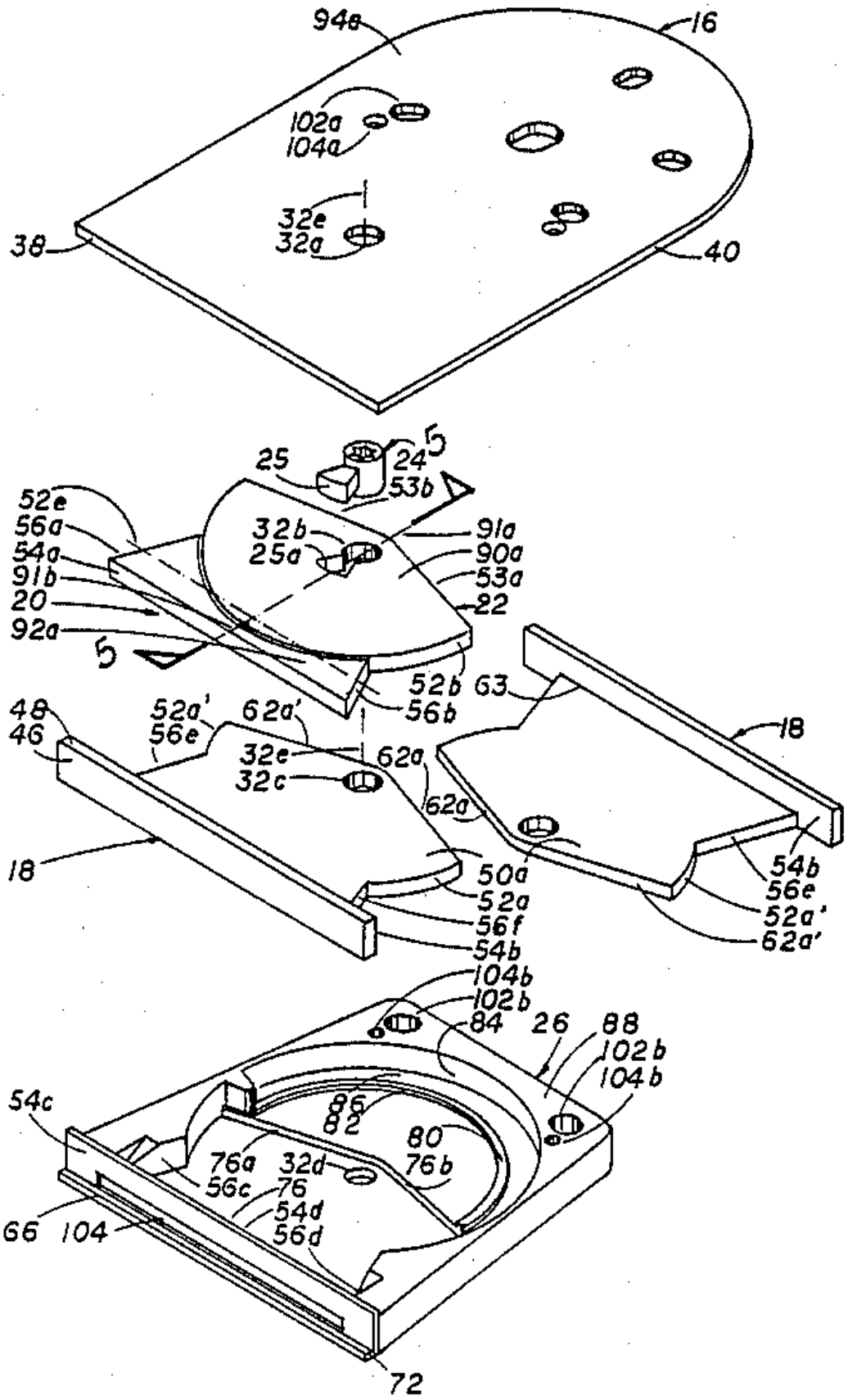
Family 31/200 - FAMPAT - ©Questel

Title

(US4822085)

Adjustable magnetic door latch system

Images



Publication data including kind & date

US4822085 A 1989-04-18 US4822085

Abstract

(US4822085)

A rotatably adjustable two magnet door latch system is presented. Ferro magnetic latching means are normally coupled to the edge of a door stop. A multi-part door latch assembly is coupled to the edge of the door adjacent the stop when the

door is closed. The assembly comprises a first thin magnet having a straight edge and an opposite concave edge. A second generally planar thin magnet has a first convex edge of radius equal to and fitting into the concave edge of the first magnet. Rotating means rotate the second magnet. Magnetic flux is a function of the length of arcs of the magnets that are adjacent. One or more flux plates transmit flux from the magnets to the stop and a housing modularizes the assembly for easy installation and protection against dirt.

Inventors

GUITY-MEHR HOSSEIN F

Latest standardized assignees - inventors removed

TEXIM INTERNATIONAL IRVINE

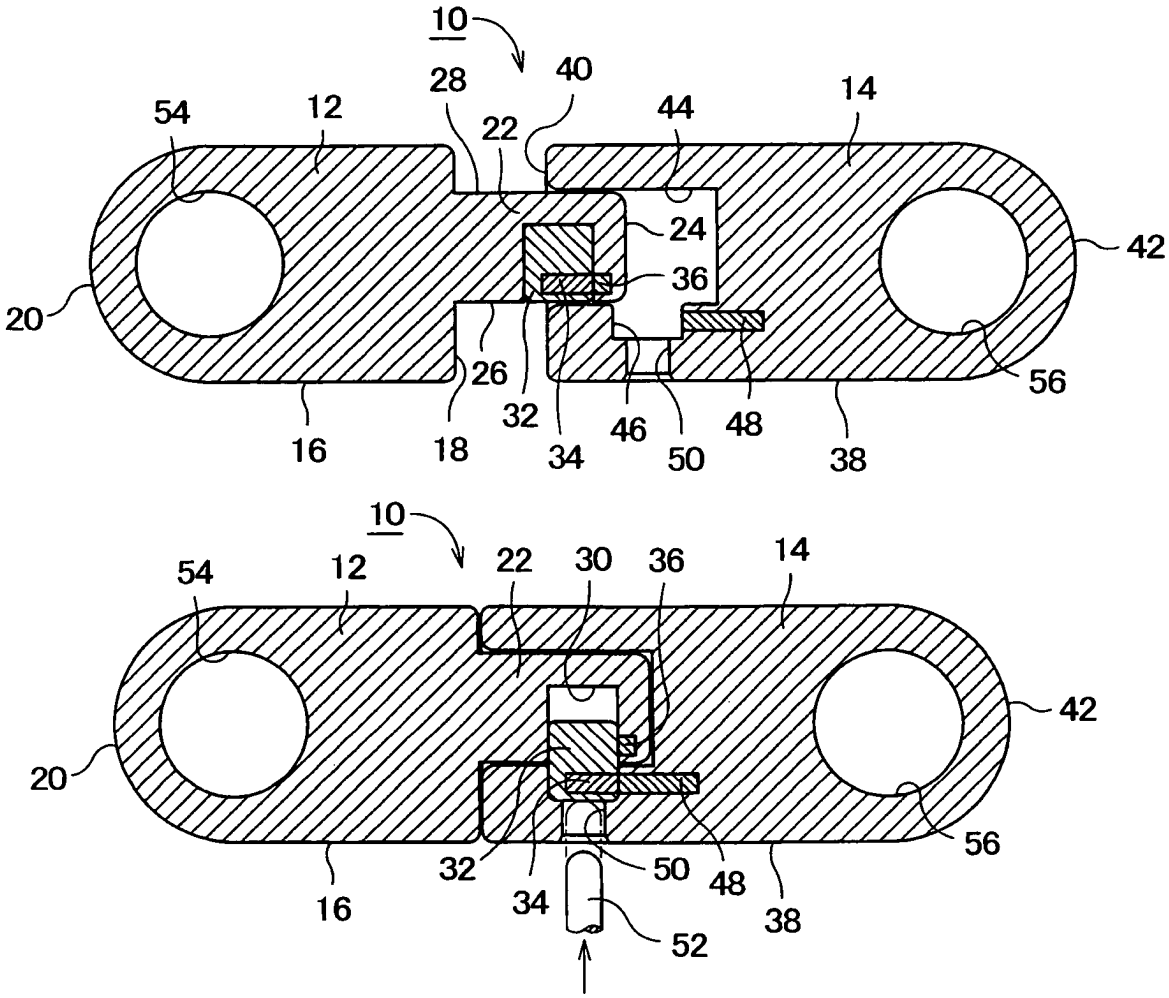
Family 32/200 - FAMPAT - ©Questel

Title

(EP1691012)

Magnetically actuated locking mechanism

Images



Publication data including kind & date

BRPI0600346	A2	2012-05-29	BR200600346
RU2369709	C2	2009-10-10	RU2369709
EP1691012	A3	2008-07-23	EP1691012
US7308737	B2	2007-12-18	US7308737
IN0191/CHE/2006	A	2007-09-07	IN2006CH00191
RU2006103680	A	2007-08-20	RU2006103680
BRPI0600346	A	2006-10-03	BR200600346
SG125180	A1	2006-09-29	SG-125180

JP2006219964	A	2006-08-24	JP2006219964
AU2006200536	A1	2006-08-24	AU2006200536
EP1691012	A2	2006-08-16	EP1691012
CN1818304	A	2006-08-16	CN1818304
TW200628683	A	2006-08-16	TW200628683
KR20060090610	A	2006-08-14	KR20060090610
US20060174455	A1	2006-08-10	US20060174455
CA2534244	A1	2006-08-09	CA2534244
NZ545160	A	2006-07-28	NZ-545160
BRPI0600346	A1	2006-04-04	BR200600346

Abstract

(EP1691012)

A locking mechanism (10) includes a male and female section (12, 14) releasably coupled together. The male section (12) includes a body (16), a projection (22) extending from the body and including a transverse bore (30), a locking element (32) movable between an unlocked position wherein the locking element is received within the bore (30) and a locked position wherein the locking element is partly extracted from the bore, and a first magnet (34) embedded in the locking element. The female section (14) includes a body (38) having a guide cavity (44) dimensioned to receive the projection (22), a transverse locking recess (46) dimensioned to receive a part of the locking element (32) as extracted, and a second magnet (48) embedded in the female body (38) adjacent the locking recess (46). The first and second magnets (34, 48) cooperate to magnetically urge the locking element (32) from the unlocked to locked position when the locking element is aligned with the locking recess after the projection (22) is inserted into the guide cavity (44).

Inventors

SAITOH MASATOSHI

NEGISHI TOHRU

Latest standardized assignees - inventors removed

WASHIN OPTICAL

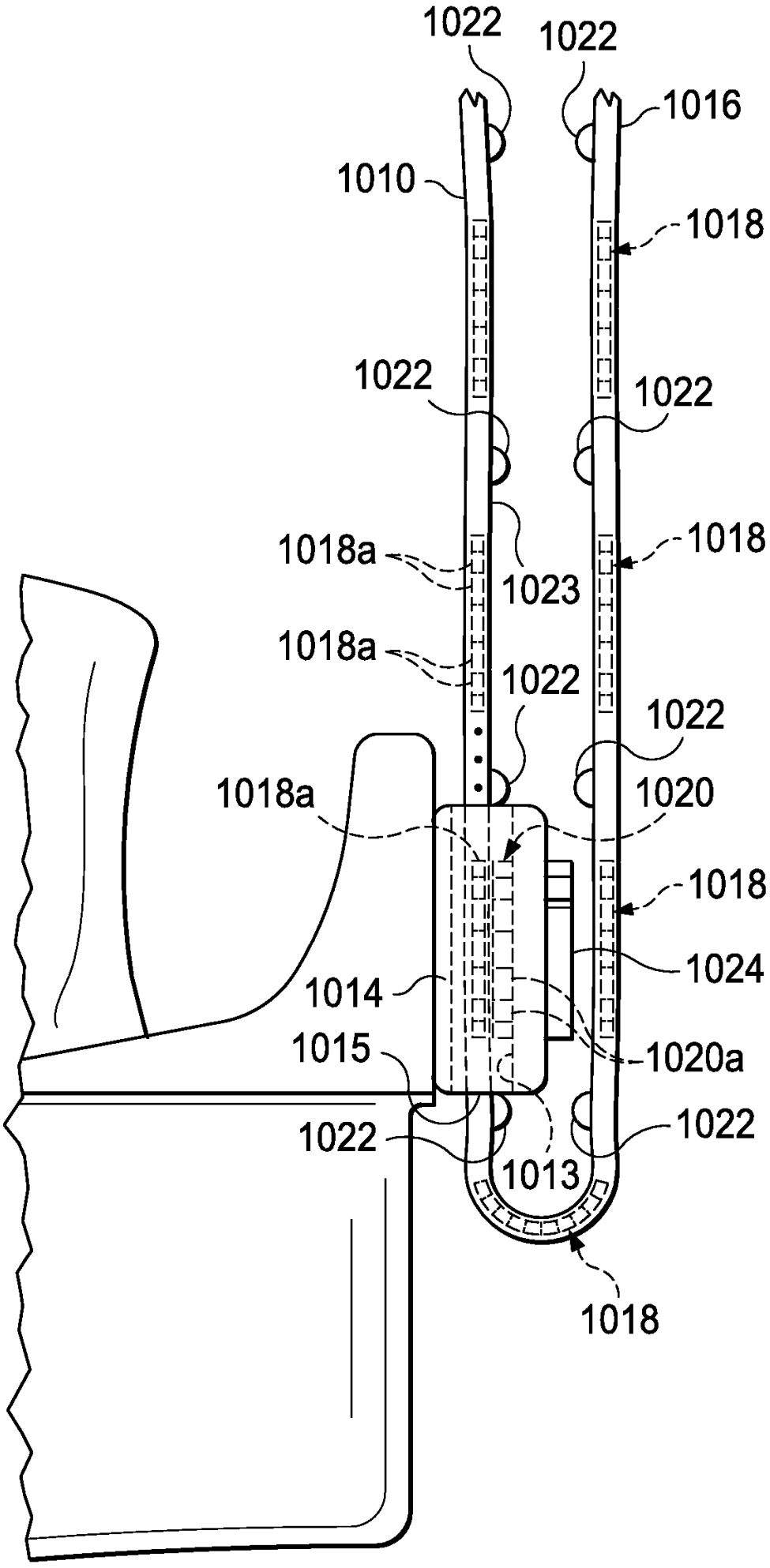
Family 33/200 - FAMPAT - ©Questel

Title

(EP2274706)

Techniques for producing an electrical pulse

Images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Publication data including kind & date

BRPI1007352	A2	2018-06-12	BR201007352
EP3185255	A1	2017-06-28	EP3185255
EP2438601	B1	2017-03-29	EP2438601
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Abstract

(EP2274706)

Embodiments of the present invention provide an apparatus, comprising a field emission source having polarities and positions in accordance with a code, a plurality of connected coils adapted to move proximate to said field emission source and having positions in accordance with said code, and wherein an electrical pulse is created when said field emission source is aligned with said plurality of connected coils according to said code.

Inventors

FULLERTON LARRY W

ROBERTS MARK D

Latest standardized assignees - inventors removed

CORRELATED MAGNETICS RESEARCH

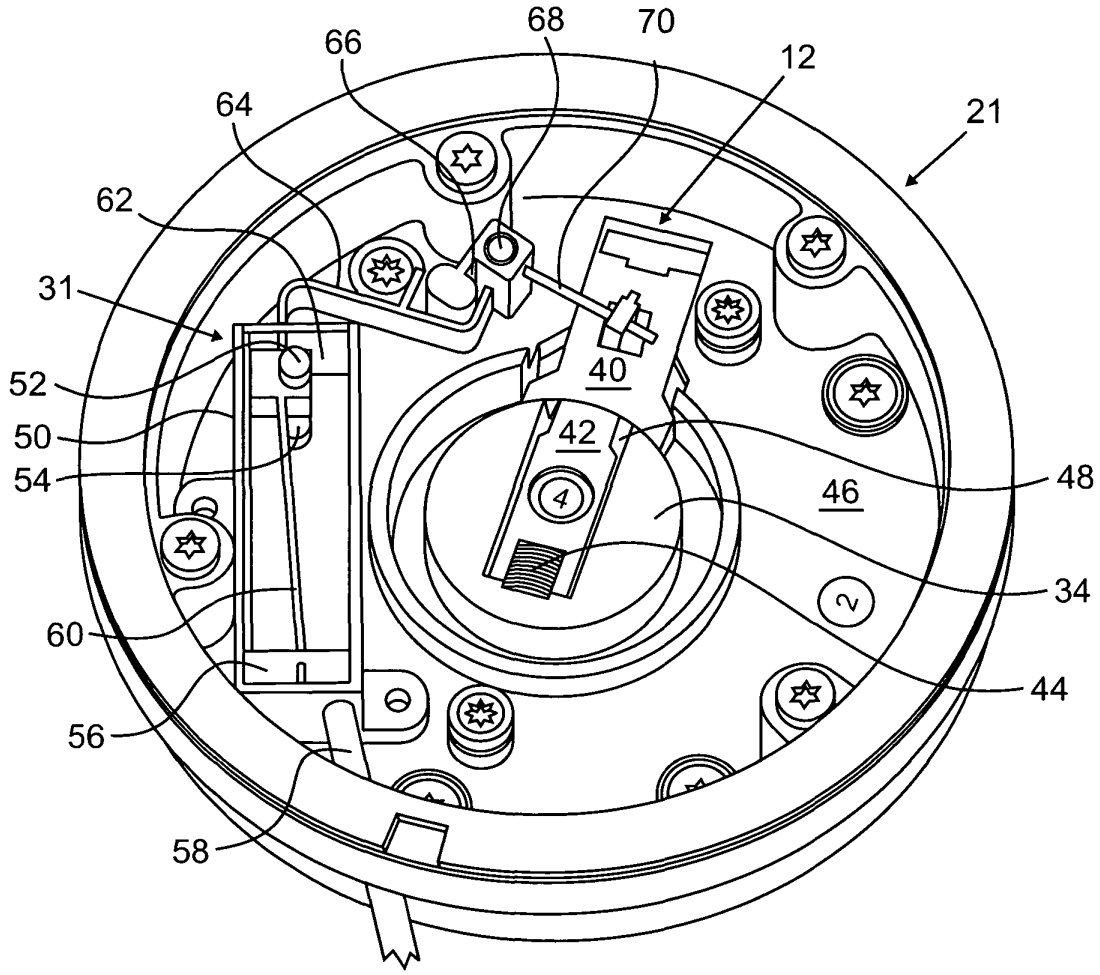
Family 34/200 - FAMPAT - ©Questel

Title

(WO201065013)

Bi-stable actuator for electronic lock

Images



Publication data including kind & date

US8702133	B2	2014-04-22	US8702133
US20110210564	A1	2011-09-01	US20110210564
WO2010/065013	A1	2010-06-10	WO201065013

Abstract

(WO2010/065013)

An actuator for an electronic door lock includes a stationary first magnet assembly, a beam, and a second magnet assembly. The first magnet includes at least one magnet stationarily positioned within the electronic door lock. The beam is movable relative to the first magnet assembly to a first position and a second position. The second magnet assembly is connected to the beam and is configured to be magnetically repulsed away from the first magnet assembly. The repulsion of the second magnet assembly maintains the beam in either the first or second position until the beam is selectively actuated therefrom.

Inventors

SUN FANPING
CHAUDHRY ZAFFIR A
JONSSON ULF J
MILTON-BENOIT JOHN M
LIU KITTY P

Latest standardized assignees - inventors removed

UTC FIRE & SECURITY

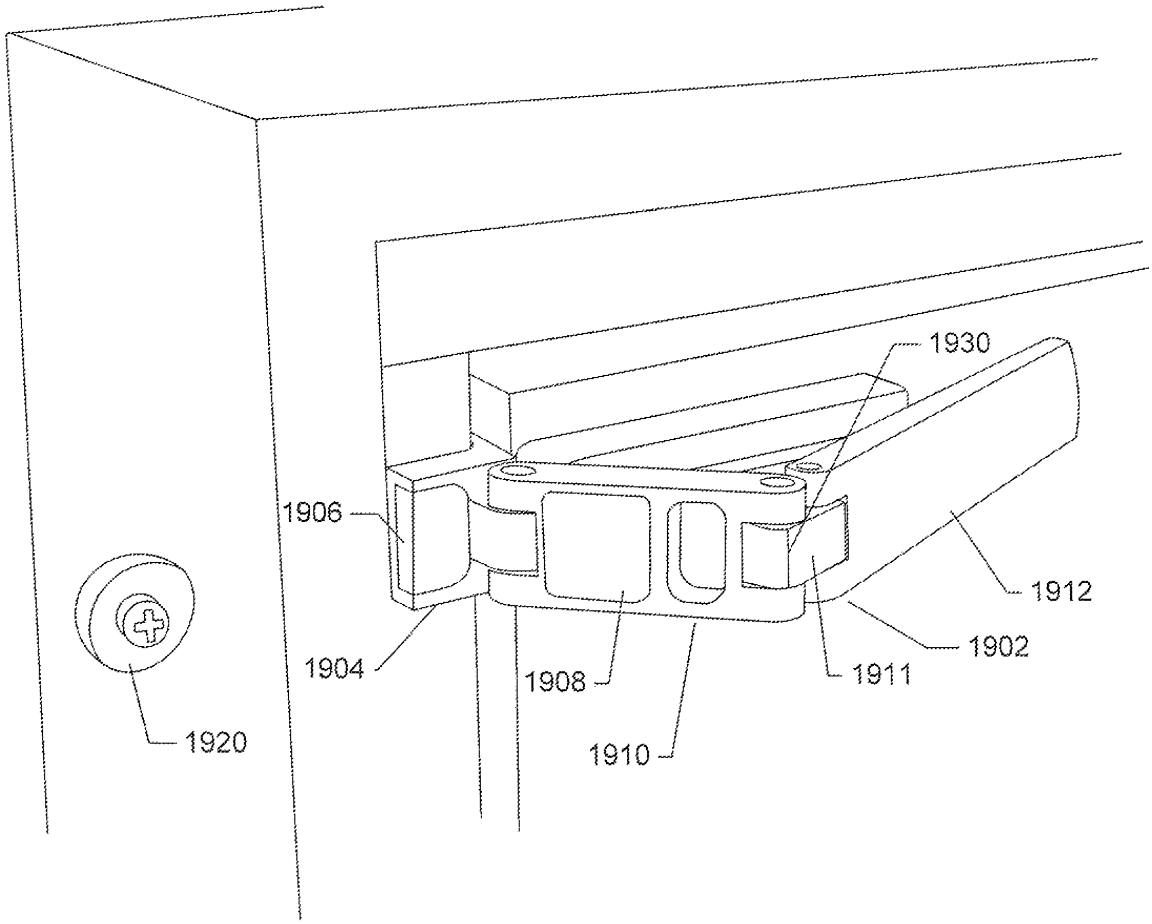
Family 35/200 - FAMPAT - ©Questel

Title

(EP2576946)

Easily installed and non-defacing security latch

Images



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WO2011/149673	A3	2012-03-08	WO2011149673
WO2011/149673	A2	2011-12-01	WO2011149673
CA2788667	A1	2011-12-01	CA2788667
US20100301619	A1	2010-12-02	US20100301619

Abstract

(EP2576946)

Embodiments of the present invention include door-securing latches that allow an occupant of a room or other space accessed through a door to secure the door, from inside the room or other space, in order to prevent entry or access by others. Embodiments of the present invention provide a mechanically strong and secure latch that cannot be easily broken or compromised by application of force to the door or by insertion of a tool or device between the door and an adjacent door frame to disable the latch, but that can be disabled by a knowledgeable individual, such as an apartment manger seeking to rescue a disabled apartment occupant in an emergency situation.

Inventors

TANG GORDON C

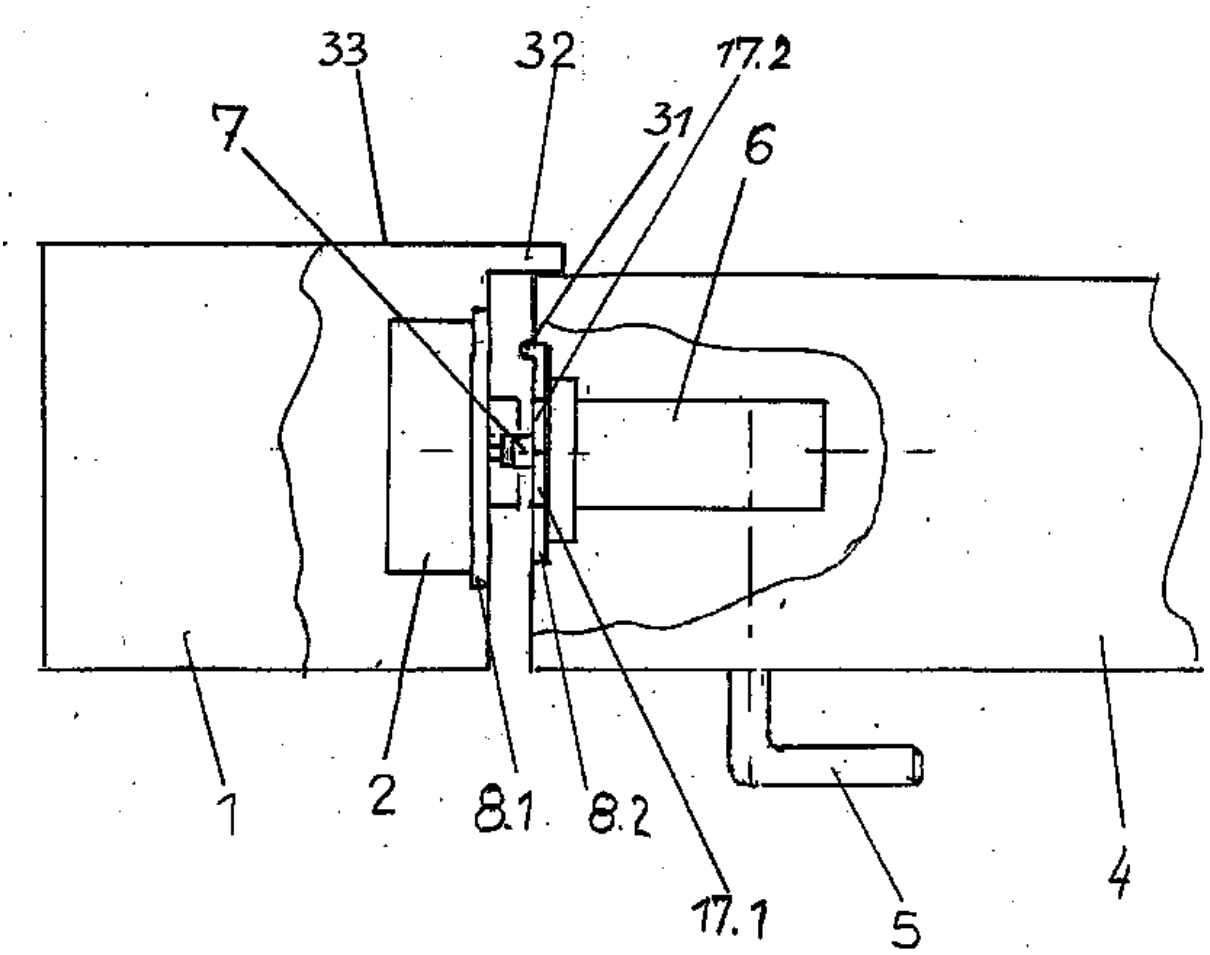
Family 36/200 - FAMPAT - ©Questel

Title

(DE10213722)

Device for closing/opening pivotable door panel held closed by magnetic force has intermediate part engaging opening in opening unit with door panel closed to make force-locking connection

Images



Publication data including kind & date

DE10213722	B4	2007-05-03	DE10213722
DE10213722	A1	2003-10-23	DE10213722

Abstract

(DE10213722)

The device has a closing device in a door frame with an electromagnetically operated opening unit with a permanent magnet(s) and an opening device in a door panel pivotably mounted in the frame with a counter pole piece and a counter piece to the permanent magnet(s). An intermediate part engages an opening in the opening unit with the door panel in the closed position to make a force-locking connection between the intermediate part and opening. The device has a closing device (2) in a door frame (1) with at least one permanent magnet equipped, electromagnetically operated opening unit and an opening device (6) in a door panel (4) pivotably mounted in the door frame with a counter pole piece (17.2) and a counter piece (17.1) to the permanent magnet(s). An intermediate part engages an opening in the opening unit with the door panel in the closed position to make a force-locking connection between the intermediate part and the opening.

Inventors

MANTHEY SASCHA

Latest standardized assignees - inventors removed

ELDOMAT INNOVATIVE SICHERHEIT

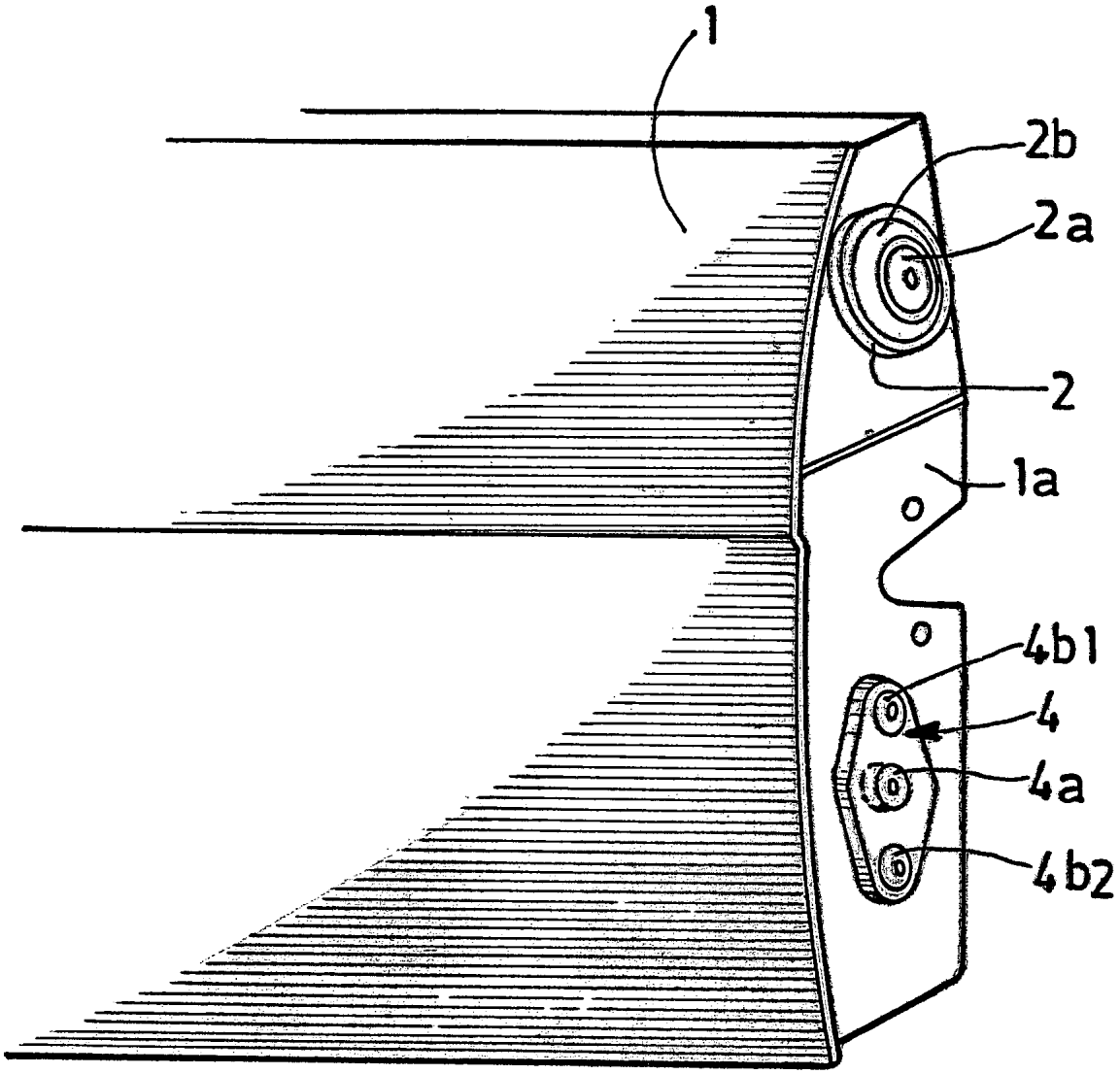
Family 37/200 - FAMPAT - ©Questel

Title

(EP1337411)

Device for improving a vehicle structural rigidity, in particular a vehicle with retractable roof

Images



Publication data including kind & date

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FR2816903	B1	2003-02-07	FR2816903
WO02/42104	A1	2002-05-30	WO200242104
FR2816903	A1	2002-05-24	FR2816903

Abstract

(EP1337411)

The invention concerns a device comprising between the rear edge (1a) of a vehicle door and the edge (12b) adjacent to said vehicle body at least a first element (2) including an electromagnet (2a) integral with one (1a) of said edges and opposite said electromagnet at least a second element (7) including a magnetic material (7a) integral with the other edge (12b), one of said first (2) and second (7) elements being mobile towards the other element when the electromagnet (2a) is powered with an electric current, the ends opposite said elements (2, 7) being shaped to be mutually nested into each other.

Inventors

QUEVEAU GERARD

SORIN ALBERIC

Latest standardized assignees - inventors removed

SEBA

FRANCE DESIGN

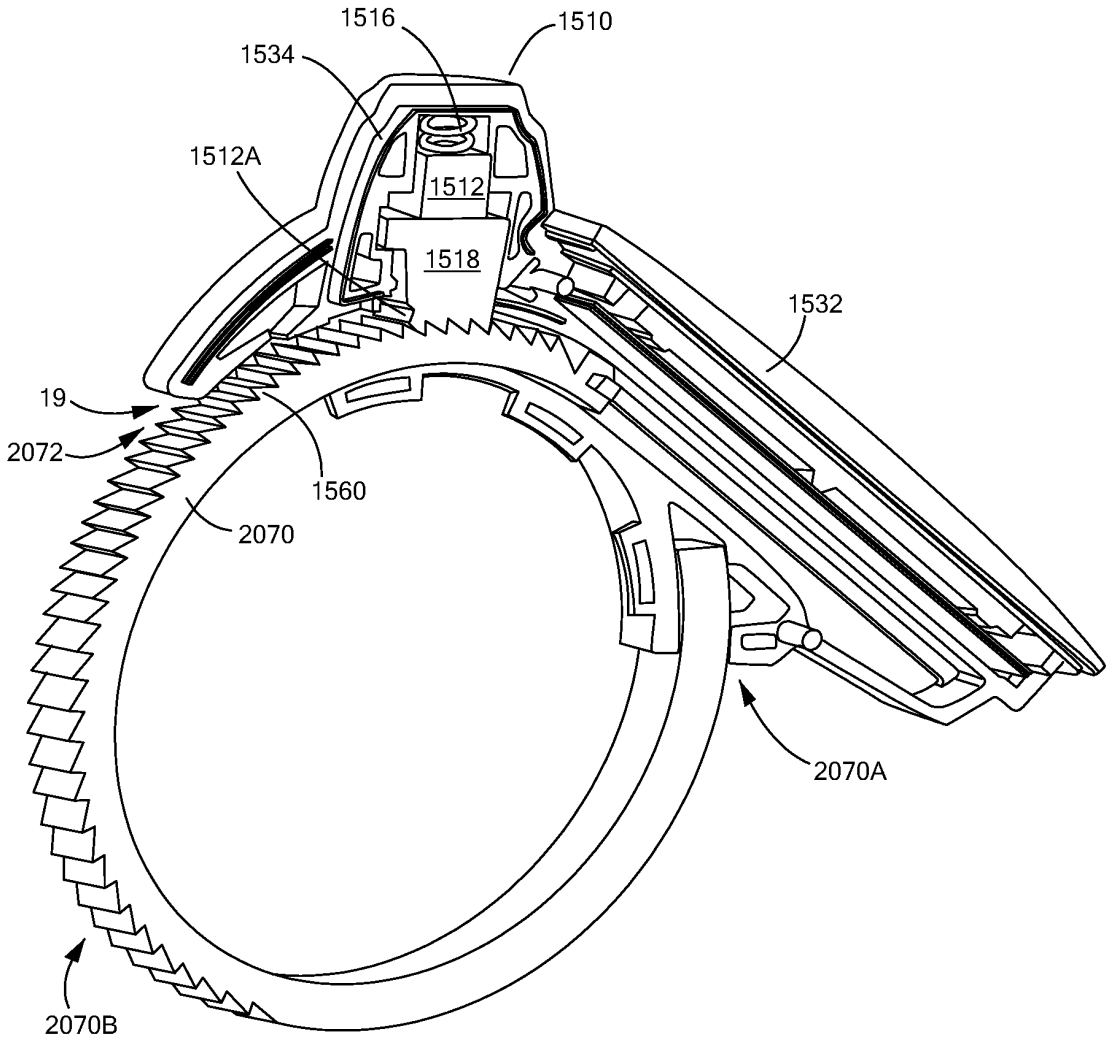
Family 38/200 - FAMPAT - ©Questel

Title

(EP1825084)

Security device for constraining an article having an elongate element

Images



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JP4792040	B2	2011-07-29	JP4792040
ES2362887	T3	2011-07-14	ES2362887
AT510093	T	2011-06-15	ATE510093
US7961099	B2	2011-06-14	US7961099
DE602005027607	D1	2011-06-01	DE602005027607
CA2589398	C	2011-05-31	CA2589398
EP1825088	B1	2011-05-18	EP1825088
AT506511	T	2011-05-15	ATE506511
EP1825086	B1	2011-04-20	EP1825086
CN101099016	B	2011-04-20	CN101099016B
CN101099017	B	2011-04-20	CN101099017B
CA2588918	C	2011-02-01	CA2588918
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RU2405898	C2	2010-12-10	RU2405898
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RU2405900	C2	2010-12-10	RU2405900
RU2404343	C2	2010-11-20	RU2404343
RU2404344	C2	2010-11-20	RU2404344
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AU2005313895	B2	2009-11-12	AU2005313895
AU2005313893	B2	2009-10-22	AU2005313893
AU2005313915	B2	2009-10-01	AU2005313915
US20090151404	A1	2009-06-18	US20090151404
US20090128331	A1	2009-05-21	US20090128331
RU2007125630	A	2009-01-20	RU2007125630
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BRPI0518940	A1	2008-12-16	BRPI0518940
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BRPI0518842	A1	2008-12-09	BRPI0518842
BRPI0518842	A2	2008-12-09	BR200518842
US20080289372	A1	2008-11-27	US20080289372
US20080291025	A1	2008-11-27	US20080291025
BRPI0518369	A1	2008-11-18	BRPI0518369
BRPI0518369	A2	2008-11-18	BR200518369
BRPI0518374	A1	2008-11-18	BRPI0518374
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US20080258478	A1	2008-10-23	US20080258478
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JP2008533548	A	2008-08-21	JP2008533548
KR20080075056	A	2008-08-14	KR20080075056
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KR20080075058	A	2008-08-14	KR20080075058
JP2008523509	A	2008-07-03	JP2008523509
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CN101099016	A	2008-01-02	CN101099016
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KR20070099595	A	2007-10-09	KR20070099595
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IL183558	A	2007-09-20	IL-183558
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IL183757	A	2007-09-20	IL-183757
IL183758	A	2007-09-20	IL-183758
IN2434/CHENP/2007	A	2007-09-07	IN2007CN02434
IN2435/CHENP/2007	A	2007-09-07	IN2007CN02435
IN2442/CHENP/2007	A	2007-09-07	IN2007CN02442
IN2431/CHENP/2007	A	2007-09-07	IN2007CN02431
EP1825084	A1	2007-08-29	EP1825084
EP1825085	A1	2007-08-29	EP1825085
EP1825086	A1	2007-08-29	EP1825086
EP1825087	A1	2007-08-29	EP1825087
EP1825088	A1	2007-08-29	EP1825088
MX2007006766	A	2007-08-14	MX2007006766
MX2007006767	A	2007-08-14	MX2007006767
MX2007006768	A	2007-08-14	MX2007006768

MX2007006769	A	2007-08-14	MX2007006769
MX2007006771	A	2007-08-14	MX2007006771
WO2006/063190	A1	2006-06-15	WO200663190
WO2006/063262	A1	2006-06-15	WO200663262
WO2006/063263	A1	2006-06-15	WO200663263
WO2006/063264	A1	2006-06-15	WO200663264
WO2006/063265	A1	2006-06-15	WO200663265
AU2005313893	A1	2006-06-15	AU2005313893
AU2005313894	A1	2006-06-15	AU2005313894
AU2005313895	A1	2006-06-15	AU2005313895
AU2005313896	A1	2006-06-15	AU2005313896
AU2005313915	A1	2006-06-15	AU2005313915
CA2588918	A1	2006-06-15	CA2588918
CA2588920	A1	2006-06-15	CA2588920
CA2589398	A1	2006-06-15	CA2589398
CA2589412	A1	2006-06-15	CA2589412
CA2593740	A1	2006-06-15	CA2593740

Abstract

(EP1825084)

Systems and apparatus for a security device for an article having a constrained elongate member are disclosed.

Inventors

LOPEZ PEDRO

HOGAN DENNIS L

SZKLANY CRAIG R

VALADE FRANKLIN H JR

Latest standardized assignees - inventors removed

SENSORMATIC ELECTRONICS

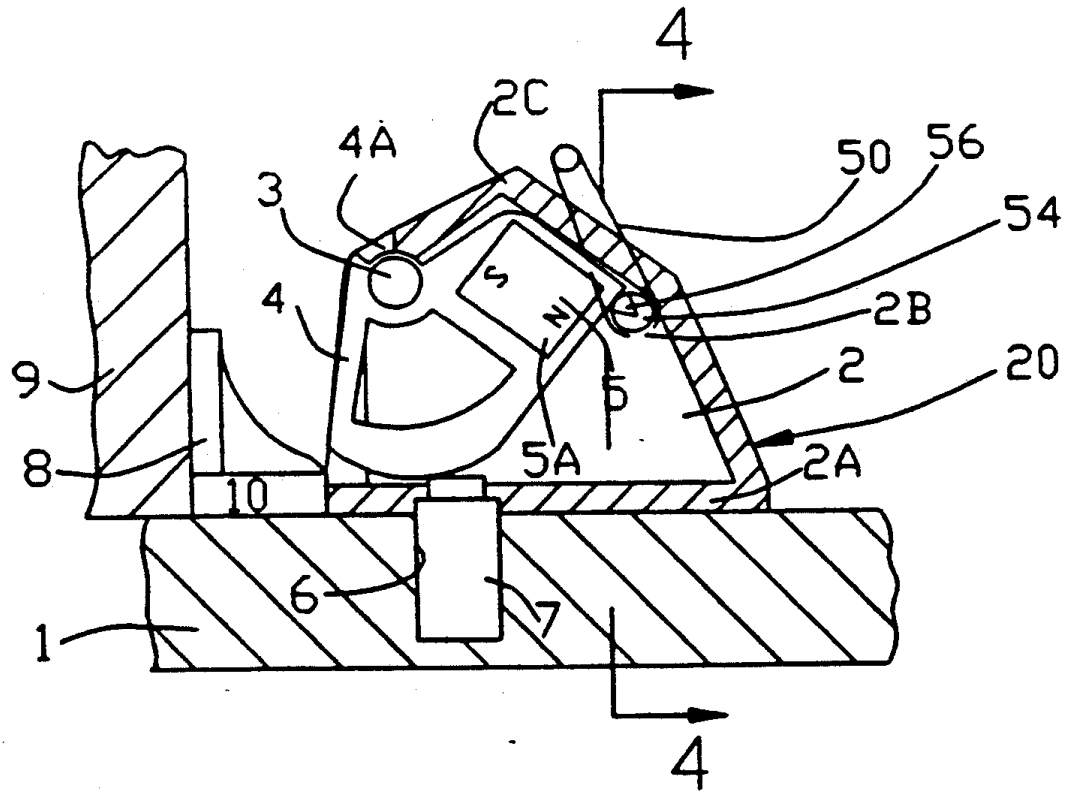
Family 39/200 - FAMPAT - ©Questel

Title

(US5188405)

Locking device for a latch

Images



Publication data including kind & date

US5188405 A 1993-02-23 US5188405

Abstract

(US5188405)

A magnetically operated latch including a pivotally attached magnetic latching means engageable with an aubtment, but disengageable when brought into magnetic contact with a key magnet. A pivotably movable lock is provided to prevent reengagement with the abutment when the key magnet is disengaged from magnetic contact with the magnetic latching means.

Inventors

MACCAFERRI MARCO

Latest standardized assignees - inventors removed

REV A SHELF JEFFERSONTOWN

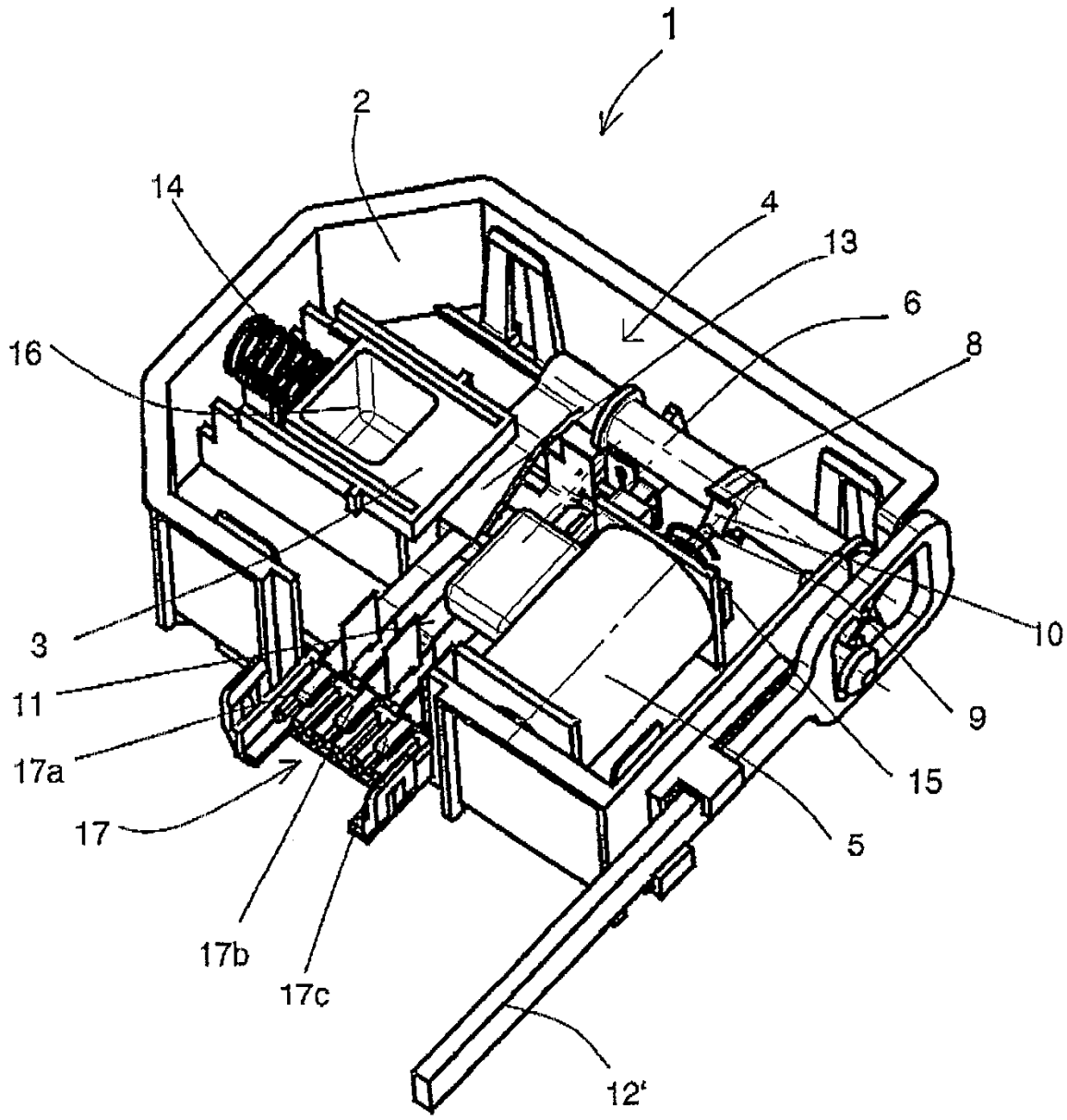
Family 40/200 - FAMPAT - ©Questel

Title

(EP1740752)

Lock for a household appliance

Images



Publication data including kind & date

ES2415664	T3	2013-07-26	ES2415664
EP1740752	B1	2013-03-27	EP1740752
US7549685	B2	2009-06-23	US7549685
US20070108777	A1	2007-05-17	US20070108777
EP1740752	A1	2007-01-10	EP1740752
DE102005017870	A1	2005-11-24	DE102005017870
WO2005/106099	A1	2005-11-10	WO2005106099

Abstract

(EP1740752)

The invention relates to a lock (1), particularly for a household appliance, such as a clothes dryer, a washing machine, a dishwasher or the like, with a moving retaining element (3), which is provided, in particular, in the form of a slider and which interacts with a locking bar located on a door, a lid or a wing or the like of the household appliance. The lock (1) comprises a latch (4) for the retaining element (3), and this latch has two states. In a first state, the latch (4) blocks the movement of the retaining element (3), and in a second state, enables the movement of the retaining element (3). The latch (4) can be electromagnetically controlled between both states.

Inventors

MUELLER HEINRICH

LONAU MANFRED

Latest standardized assignees - inventors removed

MARQUARDT

Family 41/200 - FAMPAT - ©Questel

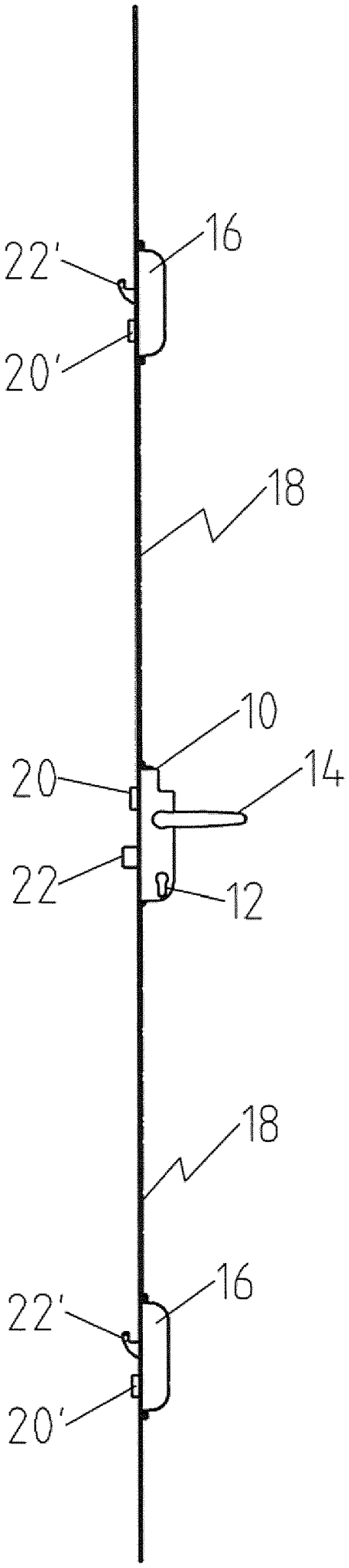
Title

(EP2543802)

Lock

Images

Fig 1



Publication data including kind & date

EP2543802	B1	2018-09-12	EP2543802
EP2543802	A3	2017-06-14	EP2543802
EP2543802	A2	2013-01-09	EP2543802
DE202011103779	U1	2012-12-06	DE202011103779

Abstract

(EP2543802)

The lock has lock latches (20, 20 ') slidably mounted between extended and retracted positions. Locking elements (22, 22') e.g. locking bolts and pivoting hooks, are held in an unlocked position by a retaining element that is provided in a retained position. The locking elements are held in the unlocked position by the lock latches provided in the retracted position. The locking elements are automatically adjusted from the unlocked position into a locked position when the lock latches are provided in the extended position and the retaining element is provided in the unlocked position. An independent claim is also included for a door.

(From EP2543802 A2)

Inventors

HÖLZL JOSEPH

Latest standardized assignees - inventors removed

MACO TECHNOLOGY

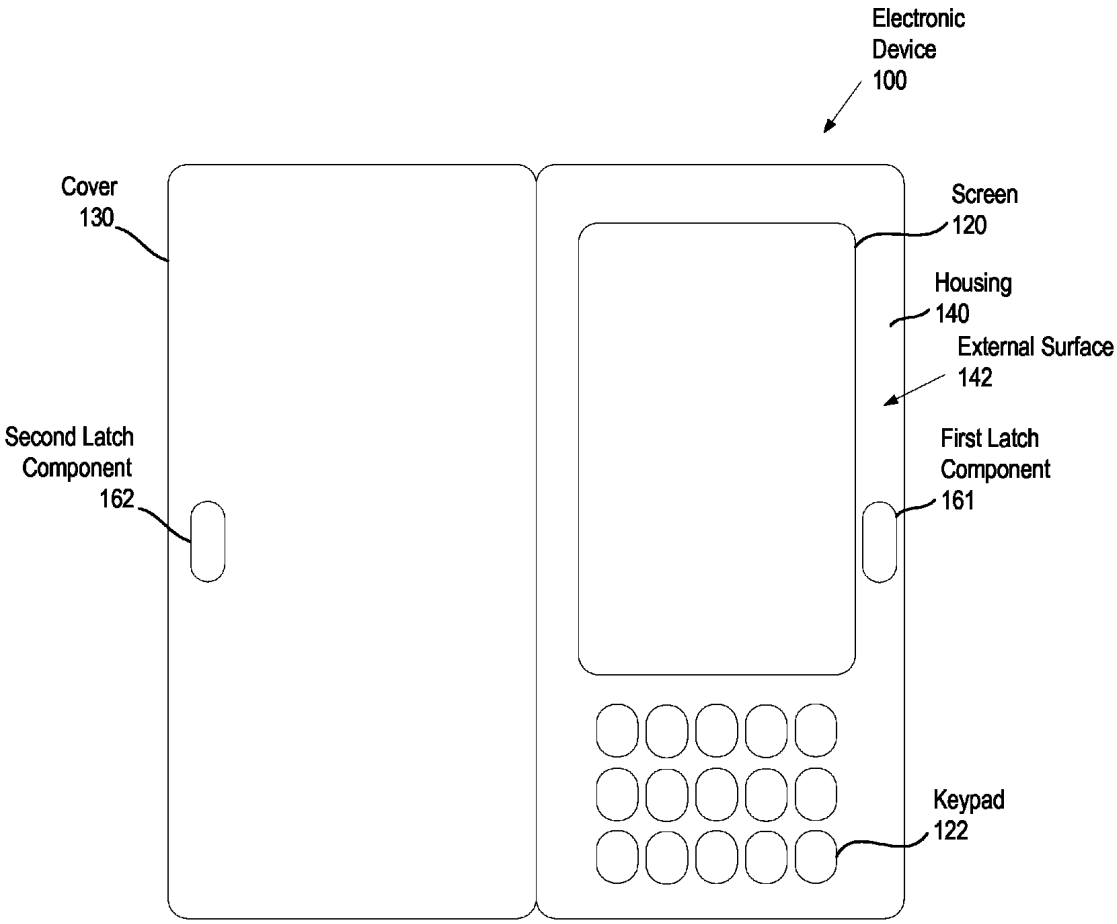
Family 42/200 - FAMPAT - ©Questel

Title

(EP2885686)

90 degree magnetic latch to prevent high surface flux

Images



Publication data including kind & date

CN104937517	B	2018-12-21	CN104937517B
ES2692694	T3	2018-12-04	ES2692694
EP2885686	B1	2018-08-08	EP2885686
US9447619	B2	2016-09-20	US9447619
CN104937517	A	2015-09-23	CN104937517
EP2885686	A1	2015-06-24	EP2885686
WO2014/028532	A1	2014-02-20	WO201428532
US20140047677	A1	2014-02-20	US20140047677

Abstract

(EP2885686)

An electronic device includes a housing having an external surface and a magnet within the housing that moves from a first position where the magnetic axis is substantially parallel to the external surface to a second position where the magnetic axis is substantially perpendicular to the external surface. The magnet may be configured to move in the presence of an external magnetic field of another magnet, thereby engaging the two magnets.

Inventors

TRINH BRYAN D

Latest standardized assignees - inventors removed

AMAZON TECHNOLOGIES

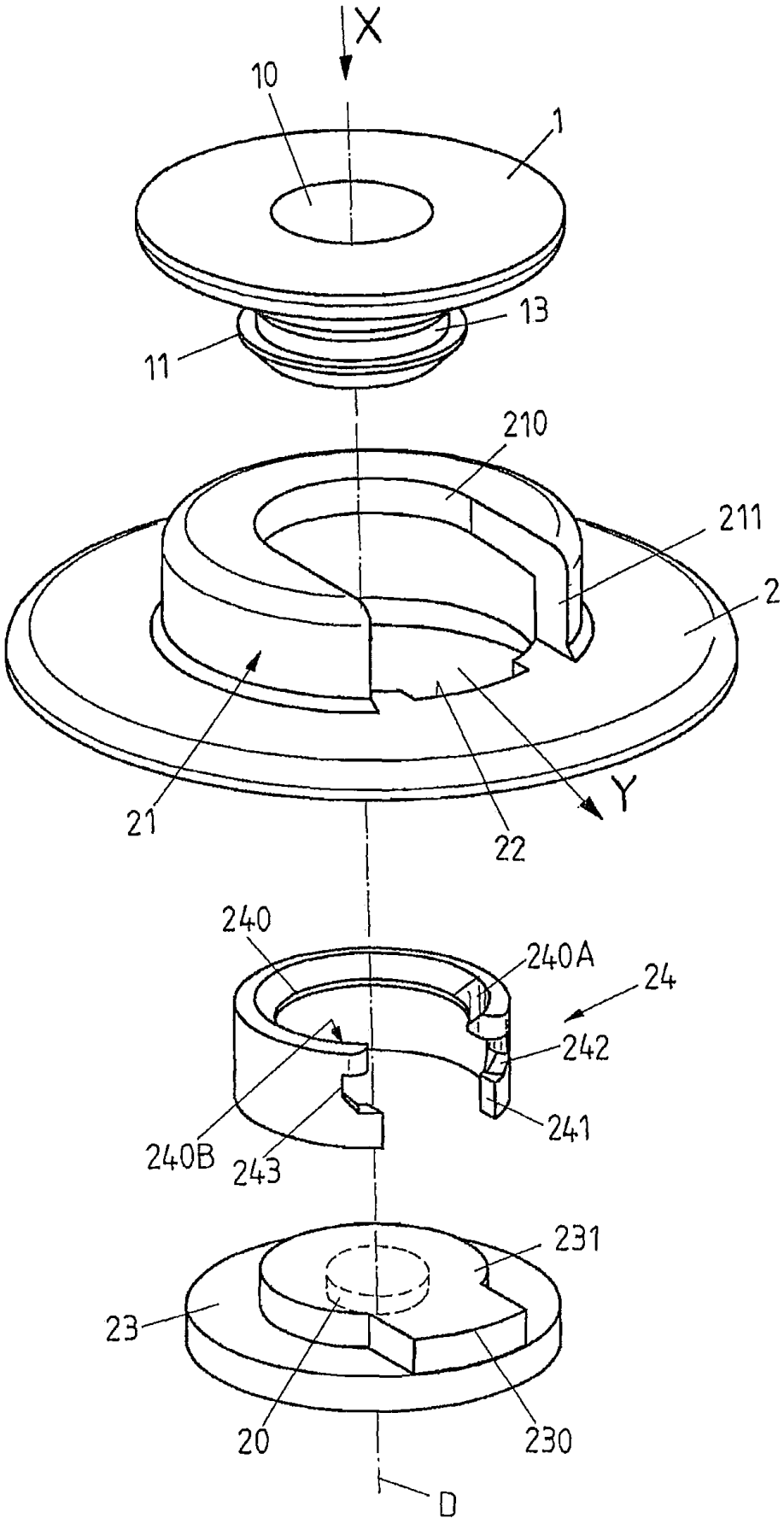
Family 43/200 - FAMPAT - ©Questel

Title

(EP2389084)

Closure device for connecting two parts

Images



Publication data including kind & date

ES2637269	T3	2017-10-11	ES2637269
EP2389084	B1	2017-05-17	EP2389084
CN102292006	B	2014-09-10	CN102292006B
US8794682	B2	2014-08-05	US8794682
CN102292006	A	2011-12-21	CN102292006
US20110298227	A1	2011-12-08	US20110298227
EP2389084	A1	2011-11-30	EP2389084
WO2010/084191	A1	2010-07-29	WO201084191

Abstract

(EP2389084)

The invention relates to a closure device for connecting two parts, with a first connecting module (1) and a second connecting module (2), wherein the first connecting module can be arranged in a closing direction on the second connecting module and in a closing position is mechanically locked with the second connecting module, and magnetic means (10, 20), which produce a magnetic force of attraction between the first connecting module and the second connecting module to assist the transfer of the first connecting module into the closing position. The first connecting module can be released from the second connecting module by a movement of the first connecting module or part of the first connecting module in an opening direction, which differs from the closing direction. At least one guiding portion (240A, 240B) for guiding the first connecting module into the closing position when the first connecting module is arranged on the second connecting module is provided here, arranged on the second connecting module, wherein the at least one guiding portion is directed counter to the opening direction (Y), at least with one directional vector component (FY).

Inventors

FIEDLER JOACHIM

Latest standardized assignees - inventors removed

FIDLOCK

Family 44/200 - FAMPAT - ©Questel

Title

(WO201895582)

Closure for a flap, door, drawer, or the like

Images

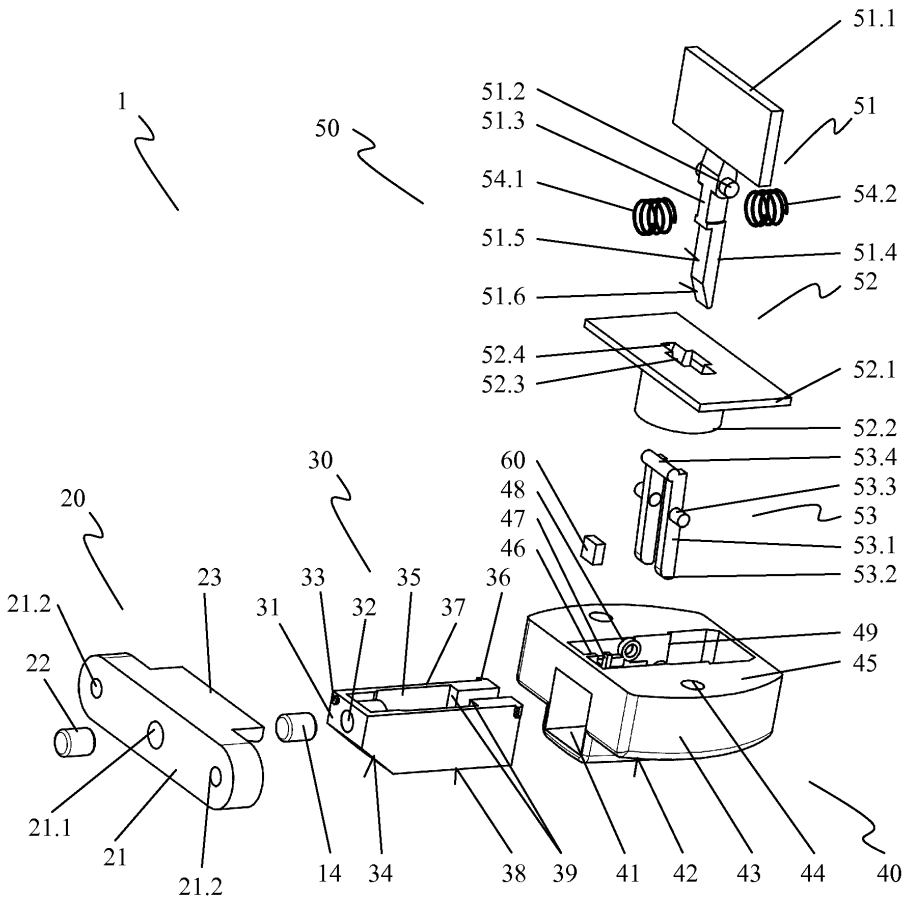


Fig. 1

Publication data including kind & date

WO2018/095582	A1	2018-05-31	WO201895582
DE102016122884	A1	2018-05-30	DE102016122884

Abstract

(WO2018/095582)

The invention relates to a closure for locking a movably mounted flap, door, drawer, or the like to a body, a door frame, a wall, or the like, comprising a locking element and a movably mounted latch. The latch is locked against the locking element in a locking position when the closure is closed, and the latch is not engaged with the locking element when the closure is open. The closure is paired with an adjusting element comprising an actuating element for adjusting the latch from a closed position of the latch into an unlocked position of the latch against the force of a restoring element acting directly or indirectly on the latch. The adjusting element can be moved out of a neutral position in at least two different actuation directions via the actuating element, and the adjusting element is designed to adjust the latch from the closed position of the latch into the unlocked position of the latch regardless of the selected actuation direction. The closure allows a simple actuation in different assembly situations.

Inventors

BANTLE ULRICH

Latest standardized assignees - inventors removed

BETEK

Family 45/200 - FAMPAT - ©Questel

Title

(DE102016122885)

Closure for a door, door, or drawer or the like

Images

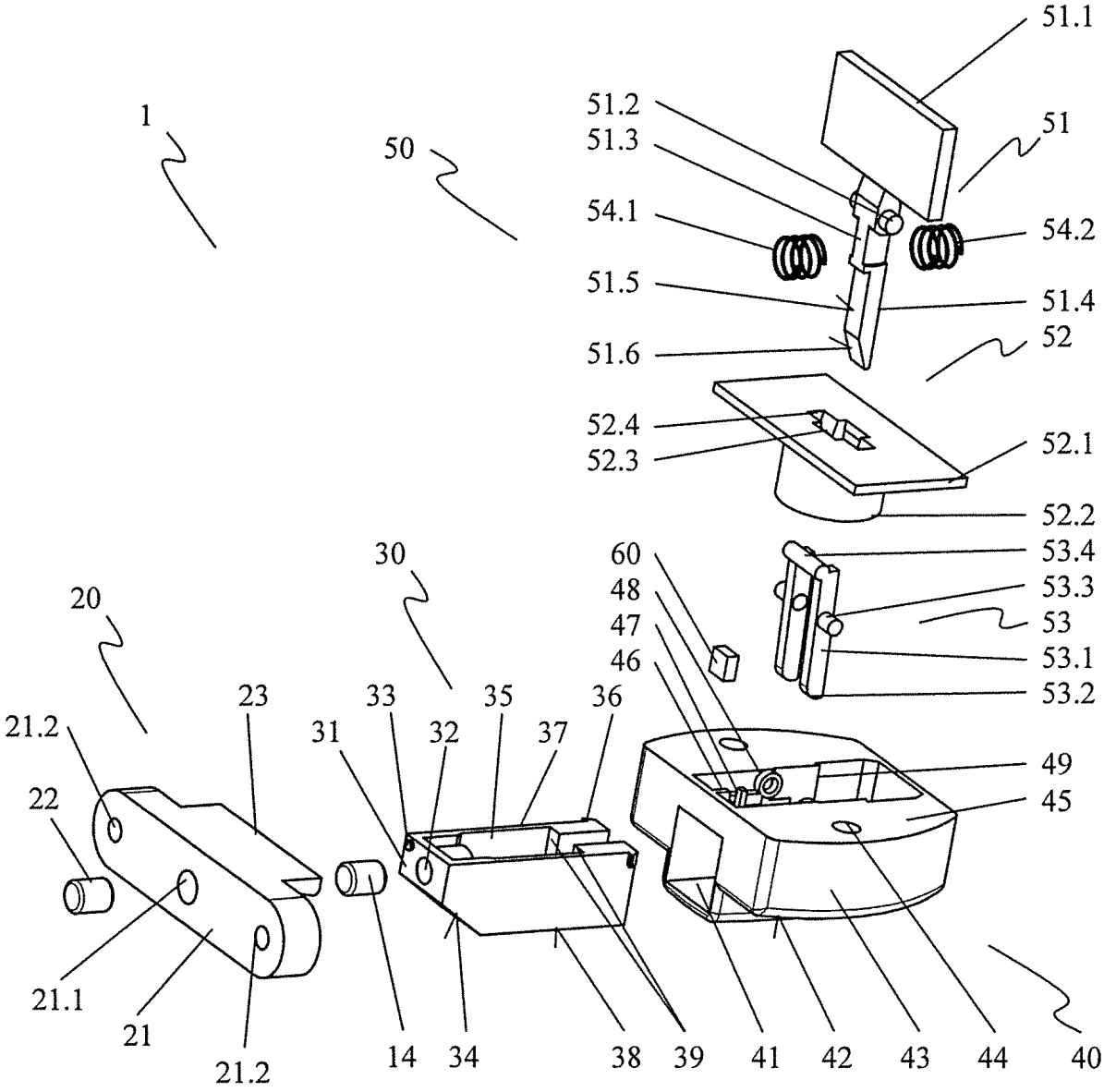


Fig. 1

Publication data including kind & date

DE102016122885 A1 2018-05-30 DE102016122885

Abstract

(DE102016122885)

For locking a movably mounted door, door, drawer or similar, to a body, a door frame, a wall or the like with a locking element and a movably mounted latch, wherein the latch in the closed latch on the locking element in a closed position blocks and with open locking engagement with the locking member and where the closure actuator with an actuator for adjusting the latch against the force of the latch directly or indirectly applied reset member from its closed position to its unlocked position is associated. It is provided, the actuating element via the actuator from a neutral position into at least two different operating directions is adjustable and the actuating element is configured, independently of the selected

direction the latch from its closed position into its unlocked position and adjust. The lock enables a simple operation in different installation situations.

Inventors

BANTLE ULRICH

Latest standardized assignees - inventors removed

BETEK

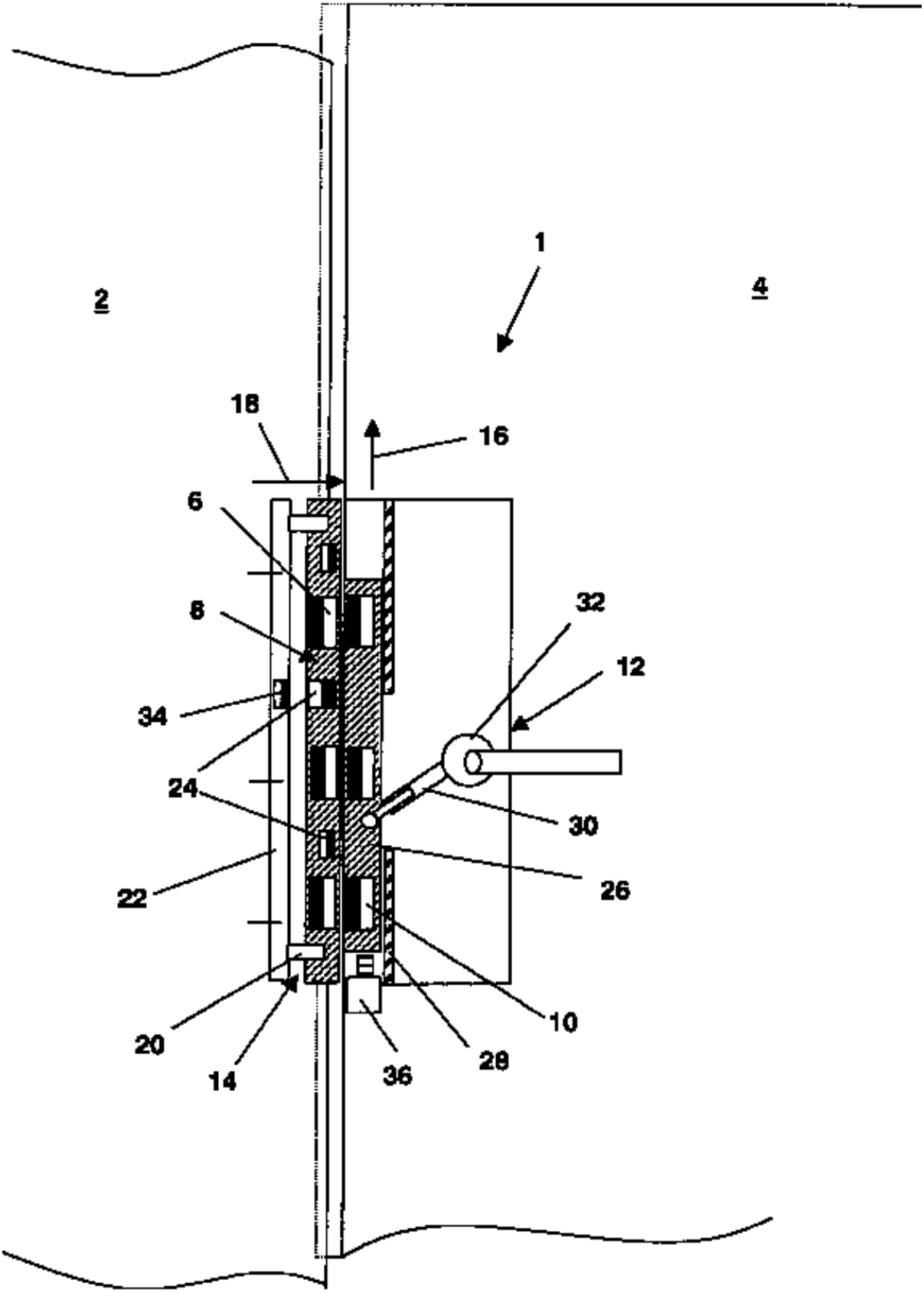
Family 46/200 - FAMPAT - ©Questel

Title

(DE202004001958)

Magneto-mechanical closing device for locking a door moving towards a fixed frame has a closing element on the frame, permanent magnets on the door and the frame and an activating device

Images



Publication data including kind & date

DE202004001958 U1 2005-06-30 DE202004001958

Abstract

(DE202004001958)

A closing element (CE) (8) fits on a frame (2) and has a first permanent magnet (PM) (6) on the frame side. A second PM (10) fastens on a door (4) and uses an activating device (12) on the door to slide into a release position from a first locking position, in which the CE is pulled towards the activating device by the magnetic force effect of the first and second PMs so as to lock the door.

Latest standardized assignees - inventors removed

DRUMM

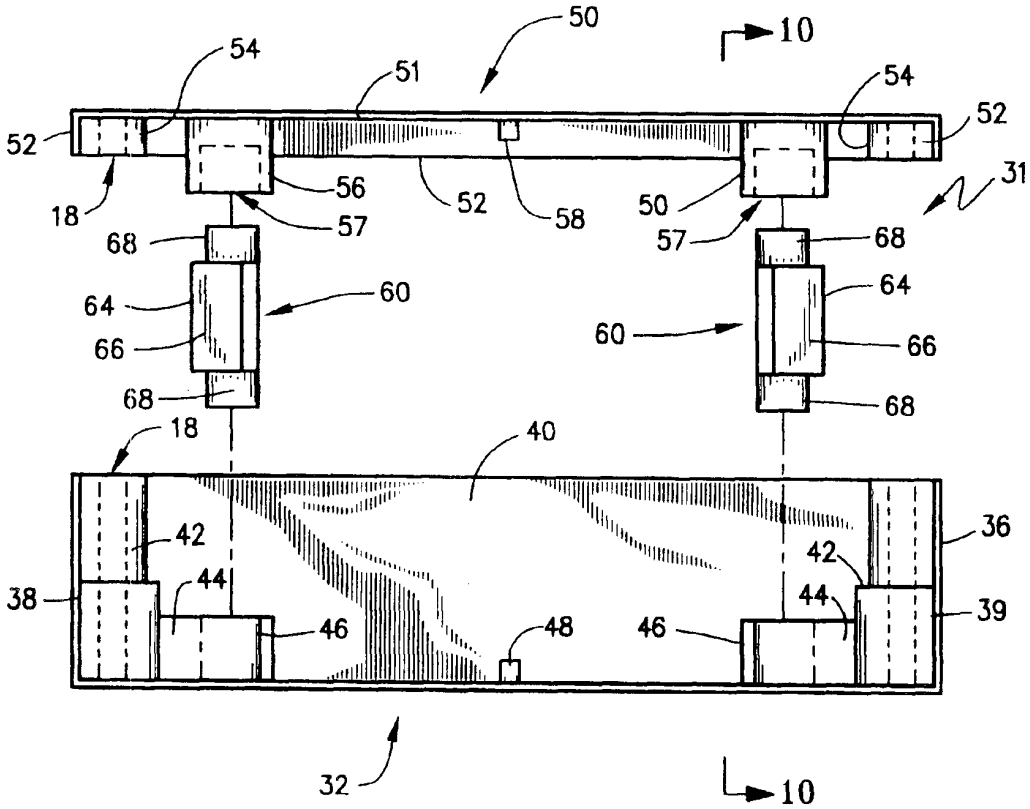
Family 47/200 - FAMPAT - ©Questel

Title

(EP1409820)

Electromechanical locking method and device

Images



Publication data including kind & date

EP1409820	A4	2008-08-13	EP1409820
CN1300435	C	2007-02-14	CN1300435C
US6902214	B2	2005-06-07	US6902214
JP2004533565	A	2004-11-04	JP2004533565
CN1543528	A	2004-11-03	CN1543528
EP1409820	A1	2004-04-21	EP1409820
US20040026933	A1	2004-02-12	US20040026933
WO02/103145	A1	2002-12-27	WO2002103145
CA2451070	A1	2002-12-27	CA2451070

Abstract

(EP1409820)

An electromechanical lock includes a latching assembly (20) adapted to mount to a first structure and a catch piece (90) adapted to mount to a second structure wherein the latching assembly and the catch piece are positionable such that the catch piece can be docked in a receive state in the latching assembly. The latching assembly includes at least one latch element (60) movable between a capture state wherein the catch piece becomes mechanically engaged thereby and a release state wherein the catch piece is disengaged thereby. The latching assembly further includes an arming member (23) wherein in a first position, the arming member engages the latch element to maintain it in the release position; and a biasing element (84) associated with the arming member operative to urge the arming member into the first position.

Inventors

SMITH JERRY R

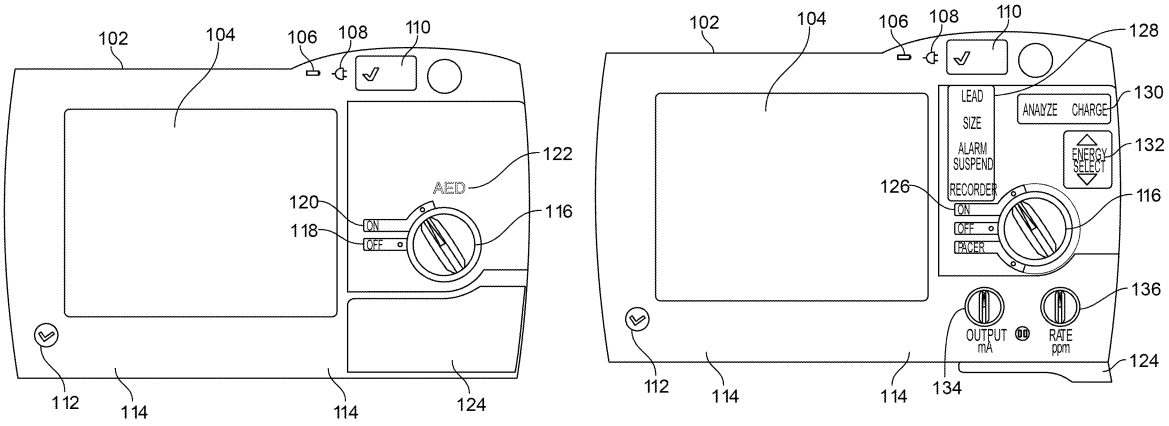
Family 48/200 - FAMPAT - ©Questel

Title

(EP2506925)

Dual-mode defibrillator with latched panel

Images



Publication data including kind & date

US9750949	B2	2017-09-05	US9750949
JP2015192923	A	2015-11-05	JP2015192923
JP5795325	B2	2015-08-21	JP5795325
US20150100102	A1	2015-04-09	US20150100102
CN102639187	B	2015-04-08	CN102639187B
US8914104	B2	2014-12-16	US8914104
EP2506925	A4	2014-03-05	EP2506925
JP2013512049	A	2013-04-11	JP2013512049
EP2506925	A1	2012-10-10	EP2506925
CN102639187	A	2012-08-15	CN102639187
WO2011/066566	A1	2011-06-03	WO201166566
CA2782147	A1	2011-06-03	CA2782147
US20110130799	A1	2011-06-02	US20110130799

Abstract

(EP2506925)

A medical device includes a device housing and a door mounted to the device housing. The device also includes a first magnet mounted to the door, wherein magnetic force applied to the door exerts a moment on the door, and a second magnet mounted in the housing and positioned to hold the door shut by magnetic interaction with the first magnet. In addition, the device includes a user-movable mode-changing mechanism attached to a third magnet, and arranged to hold the third magnet out of proximity with the first and second magnets when the device is in a first mode, and to move the third magnet into proximity with the first and second magnets when the device is in a second mode so as to expel the first magnet away from the housing and open the door to expose items positioned behind the door.

Inventors

KUBAT JOHN

FALLER FREDERICK

ELGHAZZAWI ZIAD

LUND PETER A

Latest standardized assignees - inventors removed

ZOLL MEDICAL

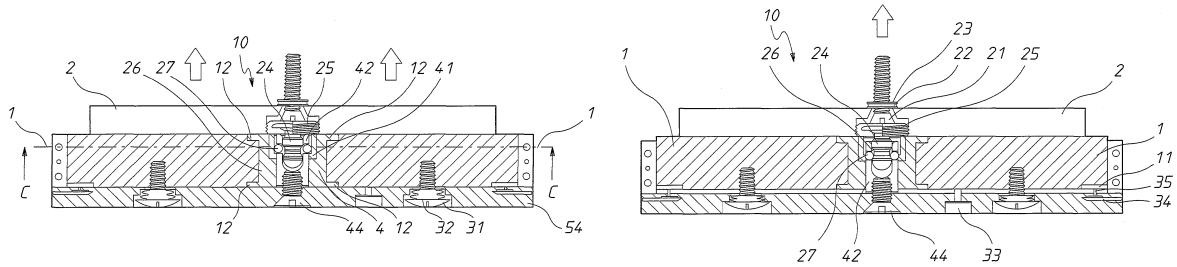
Family 49/200 - FAMPAT - ©Questel

Title

(EP2049753)

Magnetic lock means with auxiliary mechanical locking or resistance means

Images



Publication data including kind & date

CA2658343	C	2016-03-15	CA2658343
PT2049753	E	2016-01-22	PT2049753
ES2557166	T3	2016-01-22	ES2557166
DK2049753	T3	2016-01-11	DK2049753T
EP2049753	B1	2015-09-23	EP2049753
US8757685	B2	2014-06-24	US8757685
EP2049753	A4	2012-12-26	EP2049753
MY147372	A	2012-11-30	MY-147372
KR101193299	B1	2012-10-19	KR101193299
AU2007276702	B2	2011-04-14	AU2007276702
NZ580061	A	2011-01-28	NZ-580061
US20090302619	A1	2009-12-10	US20090302619
IN0375/DELNP/2009	A	2009-05-15	IN2009DN00375
EP2049753	A1	2009-04-22	EP2049753
KR20090032129	A	2009-03-31	KR20090032129
WO2008/009057	A1	2008-01-24	WO200809057
AU2007276702	A1	2008-01-24	AU2007276702
CA2658343	A1	2008-01-24	CA2658343

Abstract

(EP2049753)

A lock is disclosed including magnetic and mechanical locking features. The mechanical lock means operates in response to an attempt to force open the lock. The mechanical lock means includes a pin and at least one locking element; the mechanical lock means operates by engagement of the at least one locking element with a recess.

Inventors

CHANG JASON

Latest standardized assignees - inventors removed

SHANGHAI ONE TOP

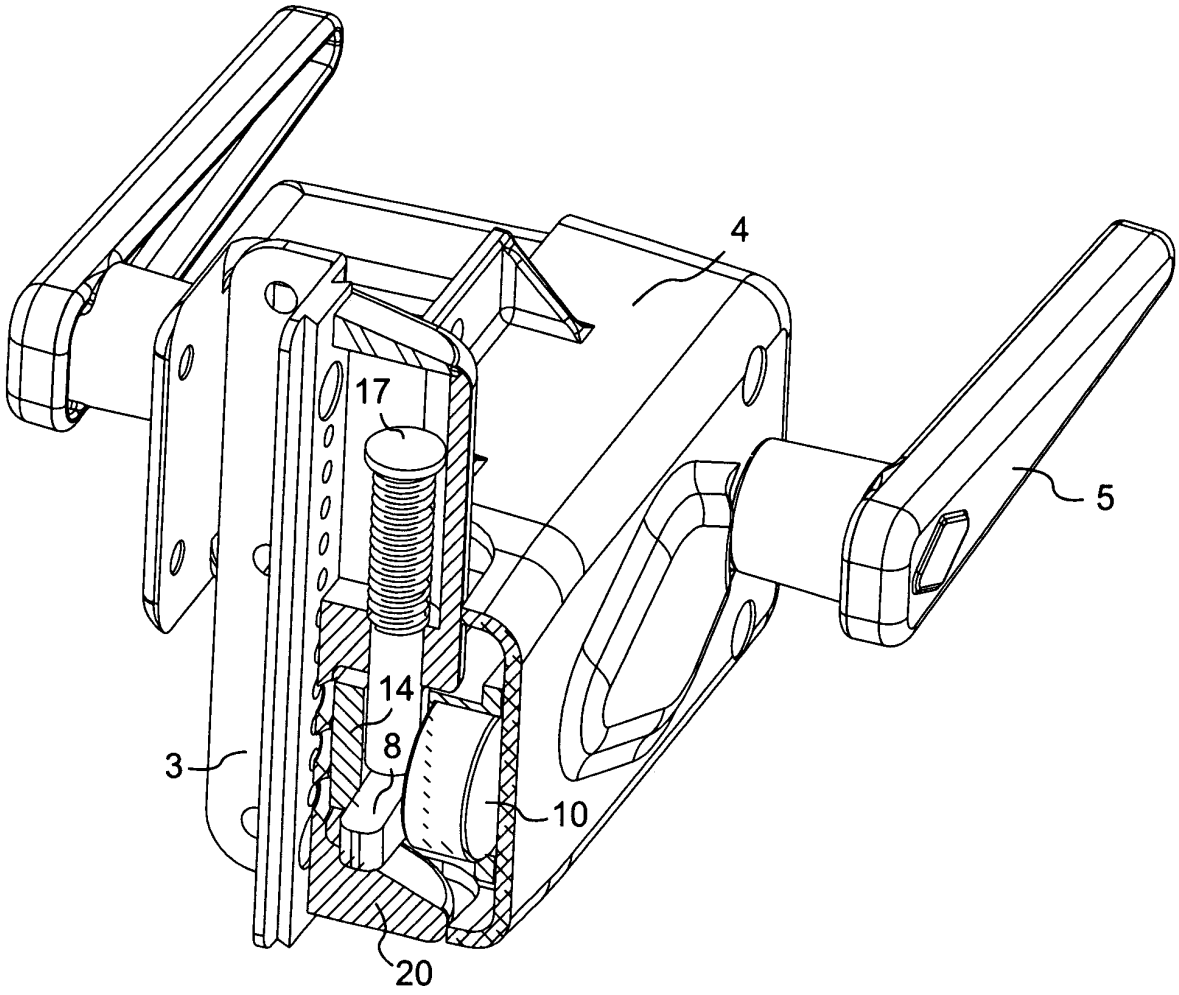
Family 50/200 - FAMPAT - ©Questel

Title

(US7044511)

Magnetic latch system

Images



Publication data including kind & date

US7044511	B2	2006-05-16	US7044511
US20050225098	A1	2005-10-13	US20050225098
CA2504115	A1	2005-10-12	CA2504115

Abstract

(US20050225098)

A magnetic latch system including a latch assembly and a keeper assembly. The keeper assembly includes a magnetically attractable keeper pin. The latch assembly includes a magnet and a movable internal lever which is arranged to engage the keeper pin to move it away from the permanent magnet. The system may also include a lock to hold the internal lever in a fixed position so that it cannot be moved to move the keeper pin away from the magnet.

Inventors

KLIEFOTH CHRISTOPHER

TIMOTHY E ERIK

Latest standardized assignees - inventors removed

ARGOSY NWI HOLDINGS

NATIONWIDE INDUSTRIES

NATIONWIDE TCC ACQUISITION

NWI TCC HOLDCO

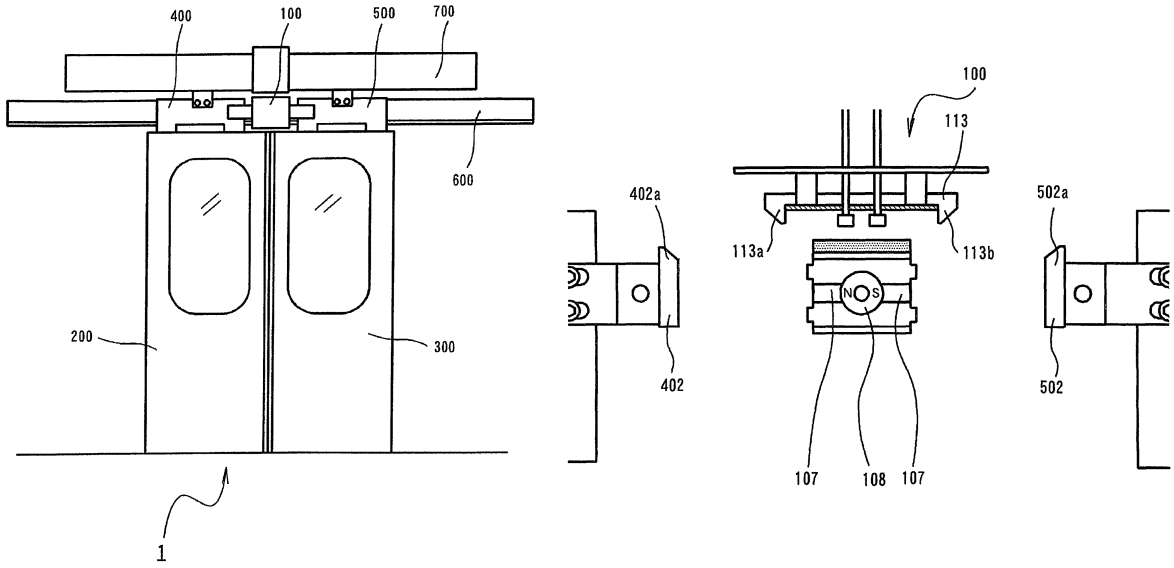
Family 51/200 - FAMPAT - ©Questel

Title

(US8136299)

Sliding door opening/closing device for vehicle

Images



Publication data including kind & date

CN101787827	B	2014-04-02	CN101787827B
JP5403327	B2	2013-11-08	JP5403327
US8136299	B2	2012-03-20	US8136299
JP2010174435	A	2010-08-12	JP2010174435
US20100188177	A1	2010-07-29	US20100188177
CN101787827	A	2010-07-28	CN101787827

Abstract

(US20100188177)

The present invention provides a sliding door opening/closing device for a vehicle that applies a sufficient opening/closing drive force to the left and right sliding doors and reduces a force necessary to lock and unlock the latch, despite a simple configuration of the device, and that facilitates the manufacturing process, improves operability and safety, and reduces noise. A lock device, against both sides of which locking portions abut, rotates a columnar permanent magnet so as to form magnetic locking circuits and fixes the locking portions by magnetic forces of the locking magnetic circuits. The rotational operation of the columnar permanent magnet is converted into the downward operation of a latch, and the lowered latch restrains the locking portions with respect to the lock device.

Inventors

INAGE AKIO

Latest standardized assignees - inventors removed

FUJI ELECTRIC SYSTEMS

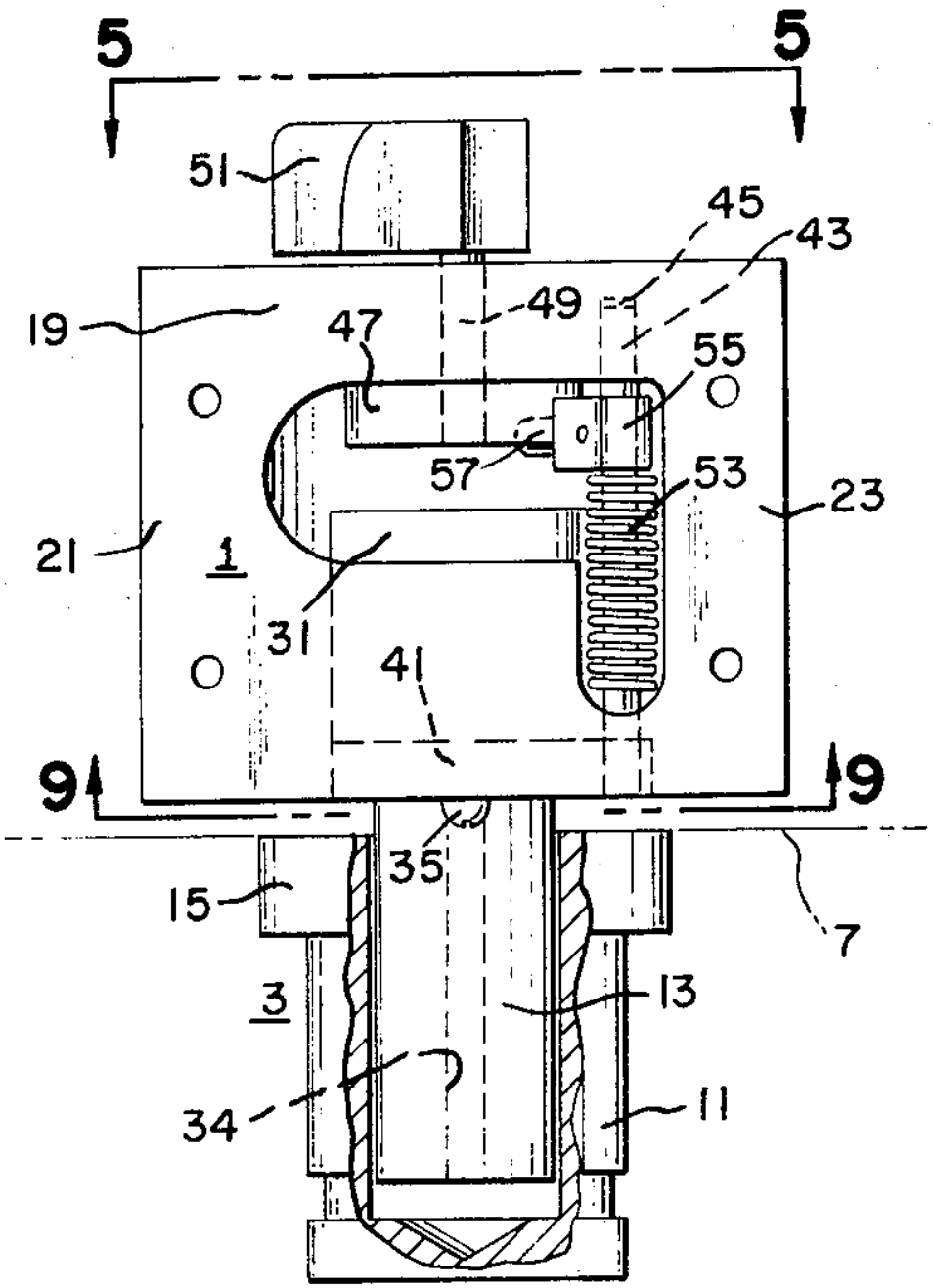
Family 52/200 - FAMPAT - ©Questel

Title

(US3791687)

Pop up magnetic door stop and holder

Images



Publication data including kind & date

US3791687 A 1974-02-12 US3791687

Abstract

(US3791687)

A cylindrical bar of magnetic material pops up from its installed position in a floor when a magnet, carried by a housing affixed to a door, reaches the position of installation of the bar, as the door is opened, such attraction of the bar to the magnet serving to stop and hold the door in its open position. A manually operable push member is capable of separating the cylindrical bar of magnetic material from the magnet, to weaken the holding power of the magnet, whereby the door may be closed when desired. A pair of small protuberances extending downwardly from the proximate end face of the magnet housing and forming a part thereof, enables this end of the housing to span the cylindrical bar when attracted to the magnet, whereby displacement of the door from its position is precluded until the cylindrical bar is pushed from its engagement with the magnet. One of the protuberances may extend lower than the push member when in down position, to always function as a stop to limit maximum opening of a door.

Inventors

SCHROEDER H

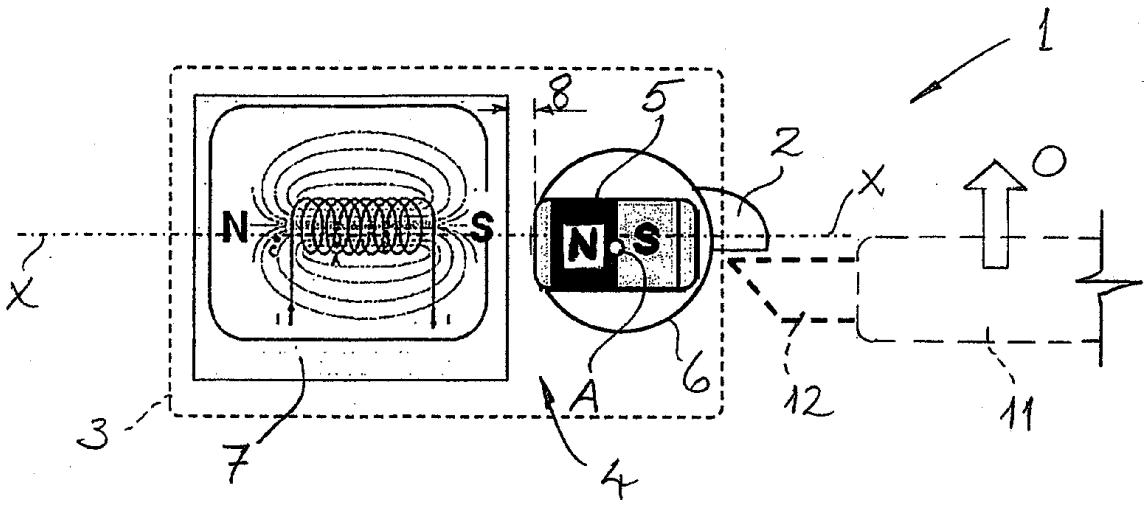
Family 53/200 - FAMPAT - ©Questel

Title

(EP2692970)

Door latching device and door assembly incorporating same

Images



Publication data including kind & date

US20140035302	A1	2014-02-06	US20140035302
EP2692970	A1	2014-02-05	EP2692970

Abstract

(EP2692970)

The present invention provides a door latching device (1) for holding a door (11) in a latched and/or a locked state, the latching device comprising: a rotatable catch member (2) mounted for rotational movement between an engaged position, in which the catch member (2) projects for engagement with a latch member (12) of a door (11), and a disengaged position, in which the catch member (2) is retracted from engagement with the latch member (12); and a magnetic actuator (4) connected with the catch member (2) for biasing or effecting rotational movement of the catch member (2) from the disengaged position to the engaged position. The magnetic actuator (4) preferably includes a first magnet (5), which is fixed with respect to the catch member (2) for rotation therewith, and a second magnet (7) which generates a magnetic force to bias or effect rotation of the catch member (2) from the disengaged position to the engaged position.

Inventors

KOCH MAIK

POTH ALBIN

Latest standardized assignees - inventors removed

AIRBUS OPERATIONS

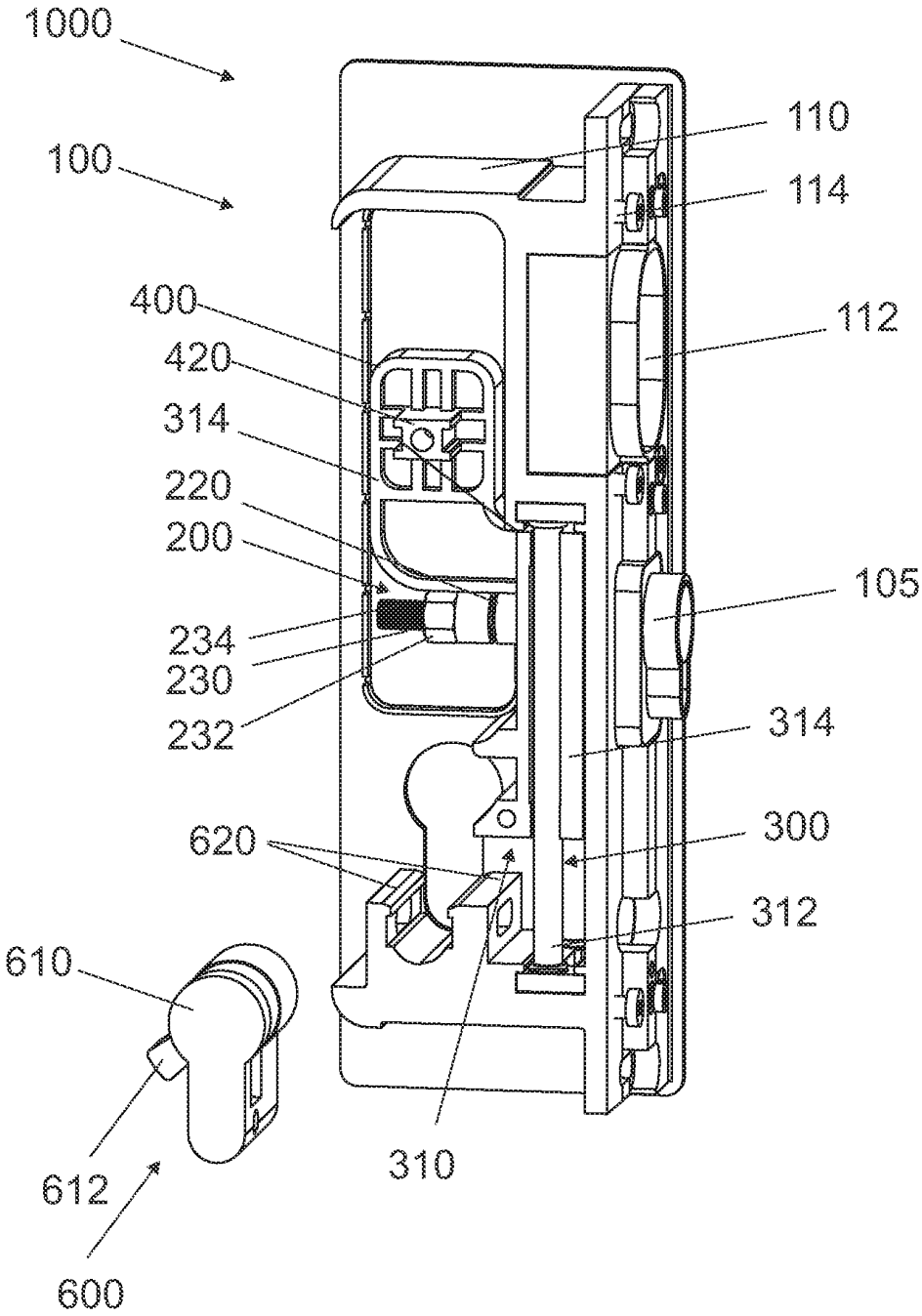
Family 54/200 - FAMPAT - ©Questel

Title

(EP2997212)

Latch arrangement

Images



Publication data including kind & date

US20180305960	A1	2018-10-25	US20180305960
US10036185	B2	2018-07-31	US10036185
NZ628616	A	2017-10-27	NZ-628616
EP2997212	A4	2017-04-05	EP2997212
US20160369540	A1	2016-12-22	US20160369540
EP2997212	A1	2016-03-23	EP2997212
MX2016000005	A	2016-03-09	MX2016000005
AU2014298044	B2	2016-01-28	AU2014298044
AU2014298044	A1	2015-05-21	AU2014298044
WO2015/015405	A1	2015-02-05	WO201515405
CA2916844	A1	2015-02-05	CA2916844

Abstract

(EP2997212)

A latch arrangement for a sliding wing has a latching member that is movable by magnetic force from first position in which it is at least partially retracted within a latch housing, to a second position in which it extends at least partially out of the

housing, to be received in a strike. The strike comprises a magnet or ferromagnetic arrangement to attract the latching member into a receiving and engaging formation of the strike when the sliding wing is located at or adjacent the strike.

Inventors

KENNY PHILLIP RICHARD

WATERMAN ADAM MARK

Latest standardized assignees - inventors removed

CAVITY SLIDERS

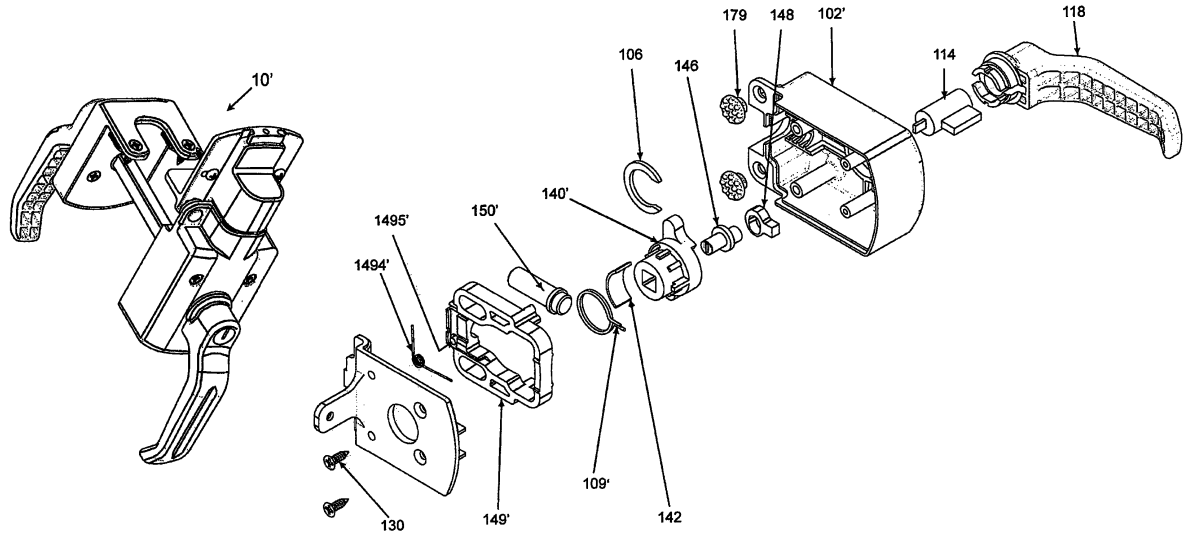
Family 55/200 - FAMPAT - ©Questel

Title

(US20140217749)

Magnetic gate latch

Images



Publication data including kind & date

US9631406	B2	2017-04-25	US9631406
US20160326784	A1	2016-11-10	US20160326784
US20140217749	A1	2014-08-07	US20140217749

Abstract

(US20140217749)

A magnetic gate latch comprises magnetic materials and a latching mechanism attracted into a keeper when the gate latch is closed by a first magnetic force and retained in a unlatched position by a second magnetic force. For example, the latching mechanism comprises a pin without a spring or other biasing mechanism biasing the spring in a direction opposite of a magnet in the keeper assembly. In one example, the pin comprises a magnet on an end of the pin opposite from the keeper assembly, which is attracted toward a ferromagnetic material when the pin is retracted into the housing.

Inventors

CHARTIER JOEL

PARADIES CHRISTOPHER

Latest standardized assignees - inventors removed

WELDON INDUSTRIES

Family 56/200 - FAMPAT - ©Questel

Title

(DE102016122879)

Magnetic fastener

Images

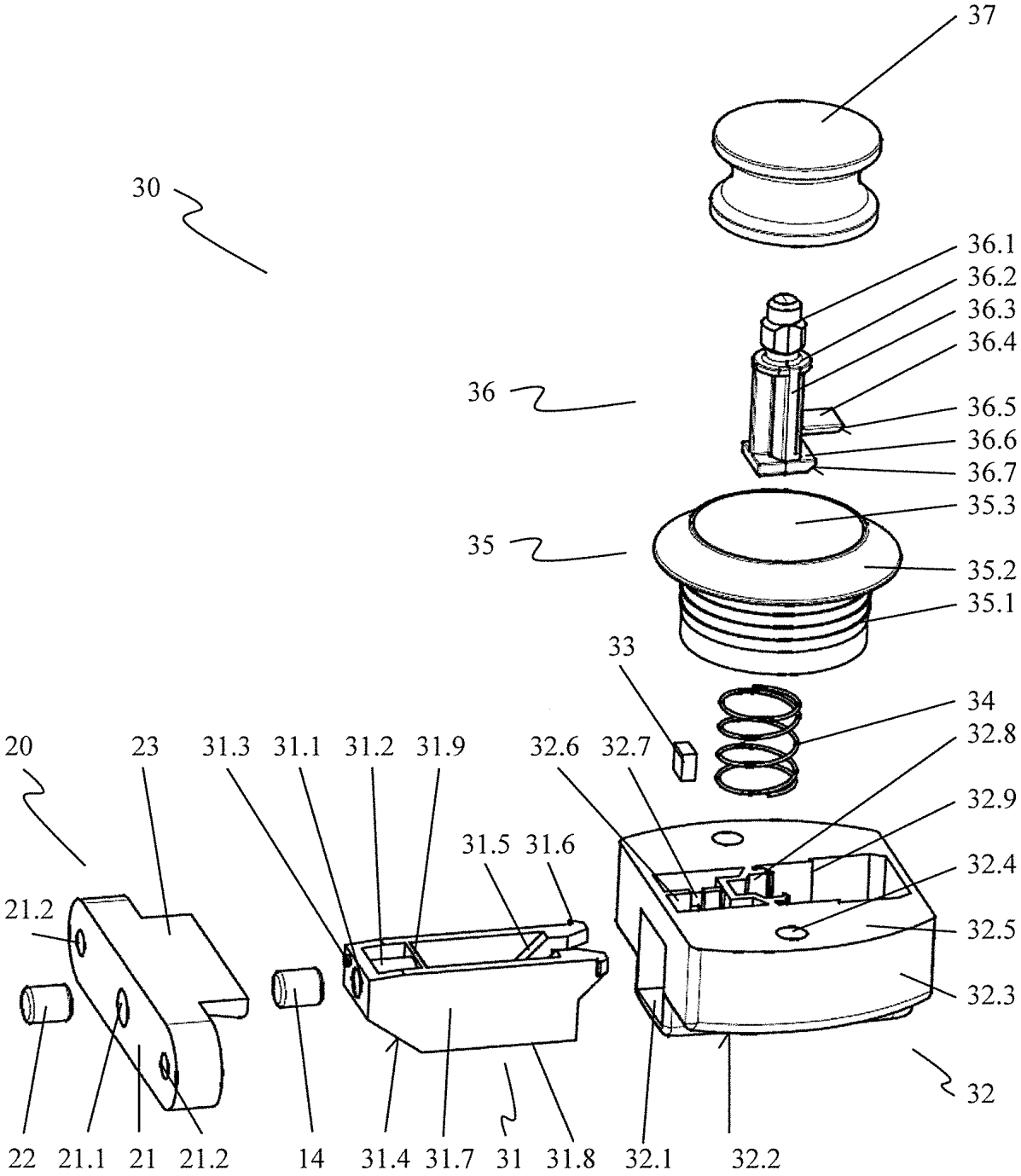


Fig. 1

Publication data including kind & date

DE102016122879 A1 2018-05-30 DE102016122879

Abstract

(DE102016122879)

The invention relates to a lock for locking a movably mounted door, door, drawer or similar, to a body, a door frame, a wall or the like with a locking element and a movably mounted latch, the latch in the closed fastener on the locking element in a closed position blocks and when the closure is open out of engagement with the locking element is. It is provided, at the locking a first magnet and the locking element a second magnet is arranged and the latch in the closed door, door, drawer

or the like between the two magnets magnetic force into the closed position is adjustable. The closure allows a smooth closing for simultaneously secure closure of a door, door, drawer or similar.

Inventors

BANTLE ULRICH

SIEMER MARC

Latest standardized assignees - inventors removed

BETEK

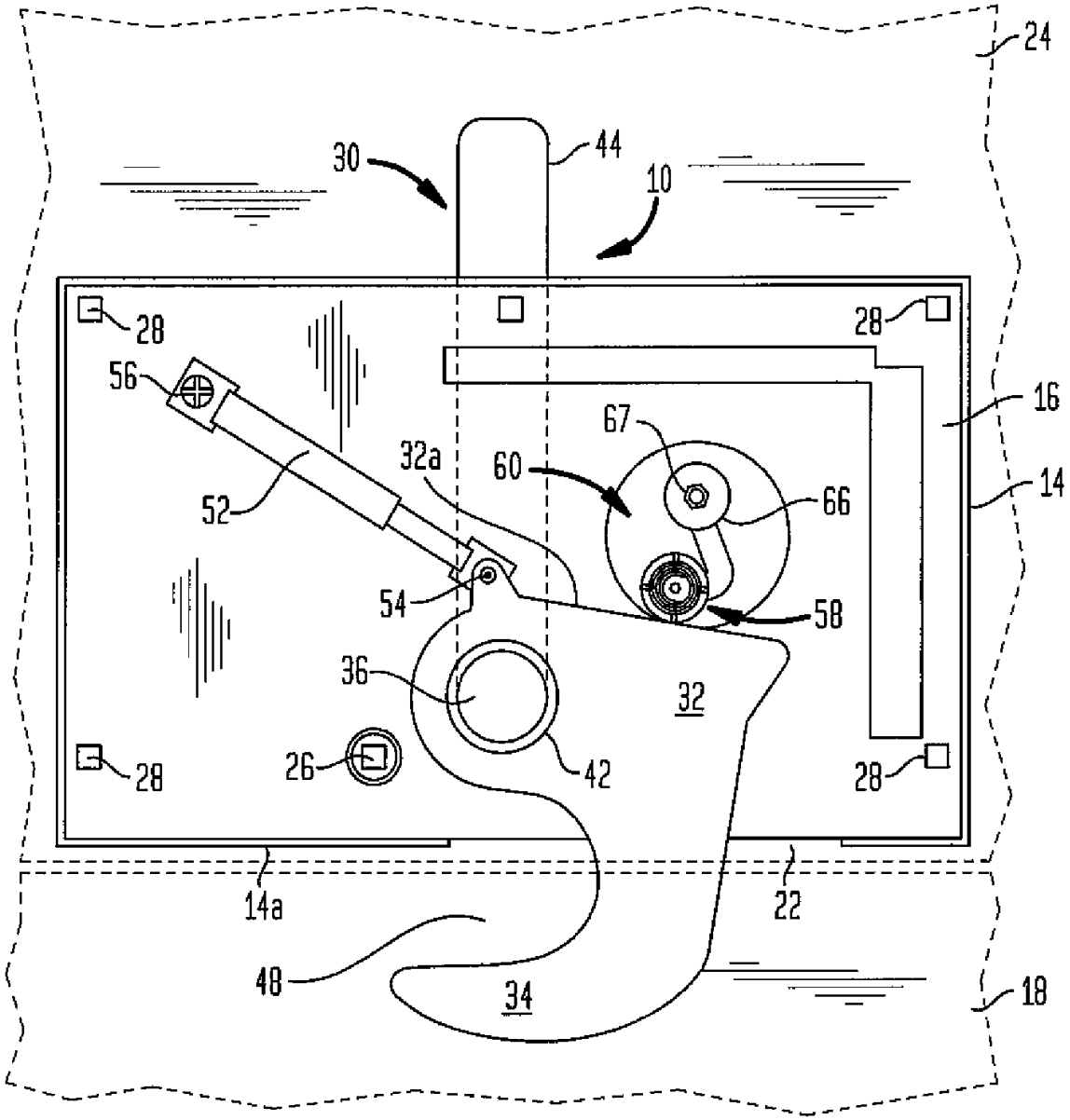
Family 57/200 - FAMPAT - ©Questel

Title

(US8938998)

Lock with magnetically actuated latch movement preventing member

Images



Publication data including kind & date

US8938998	B2	2015-01-27	US8938998
US20140041421	A1	2014-02-13	US20140041421

Abstract

(US20140041421)

The lock has a rotatable latch. The latch is mounted for movement between a position wherein it engages a fixed part of the vehicle to secure the door in the closed position and a position remote from the fixed part of the vehicle such that the door can be opened. A latch movement preventing member is moveable relative to the latch between a position remote from the path of movement of the latch, wherein the latch is free to disengage the fixed part of the truck, and a position intersecting the path of the latch, wherein movement of the latch to disengage the fixed part of the truck is blocked. A pair of magnets are oriented to force the member to move from its remote position, against the action of a spring, to its intersecting position, to prevent the latch from disengaging the fixed part of the truck.

Inventors

HABER GREG

Latest standardized assignees - inventors removed

BABACO ALARM SYSTEMS

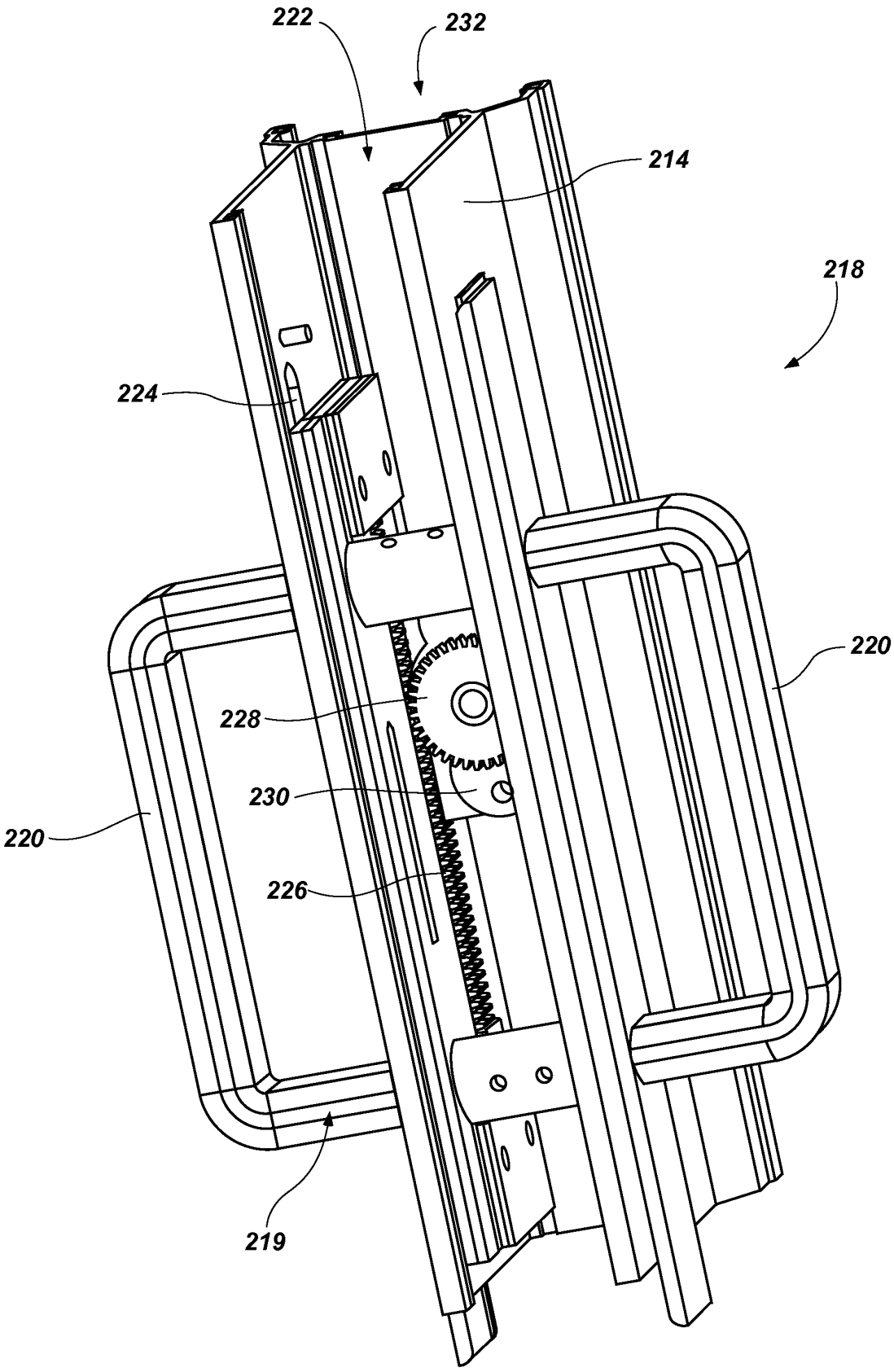
Family 58/200 - FAMPAT - ©Questel

Title

(US8641105)

Securing mechanisms for partitions, partition systems including same, and related methods

Images



Publication data including kind & date

US8641105	B2	2014-02-04	US8641105
US20120187703	A1	2012-07-26	US20120187703

Abstract

(US20120187703)

Partition systems comprise a first post member attached to a foldable partition, a securing mechanism attached to the first

post member and comprising at least one permanent magnet switch configured to selectively apply a significant attractive magnetic force, and at least another post member comprising a material responsive to the applied significant attractive magnetic force of the at least one permanent magnet switch. Methods of securing a partition system comprise bringing a first post member of a foldable partition proximate at least another post member; and manipulating the at least one permanent magnet switch attached to the first post member to selectively apply a significant attractive magnetic force to the at least another post member.

Inventors

GOODMAN E CARL
SMART RONALD A
BELL CRAIG G

Latest standardized assignees - inventors removed

WON DOOR

Family 59/200 - FAMPAT - ©Questel

Title

(EP2740867)
Striker element for espagnolette fitting

Images

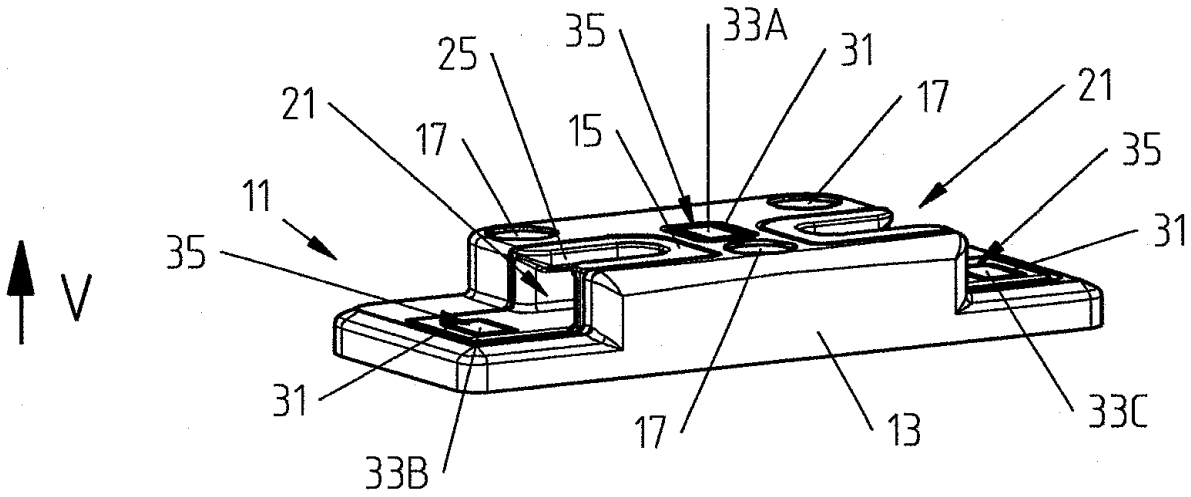


Fig 1

Publication data including kind & date

EP2740867	B1	2019-04-24	EP2740867
EP2740867	A3	2017-08-02	EP2740867
EP2740867	A2	2014-06-11	EP2740867
DE202012104767	U1	2014-04-17	DE202012104767

Abstract

(EP2740867)
The closure element (11) comprises a base body (13) and a holder portion (15) mounted on the base body in a vertically adjustable manner. The holder portion comrpises a receiving opening (21) for receiving a locking element of a leaf of the window or the door. A magnetic area (33A,33B,33C) is provided at the holder portion, which comprises a permanent magnet or is ferromagnetically designed. The holding portion is displaceably mounted on the base body, particularly between a retracted position and an extended position. An independent claim is included for a connecting rod fitting of a window or a door.
(From EP2740867 A2)

Inventors

MARTIN NUSSDORFER

Latest standardized assignees - inventors removed

MACO TECHNOLOGY

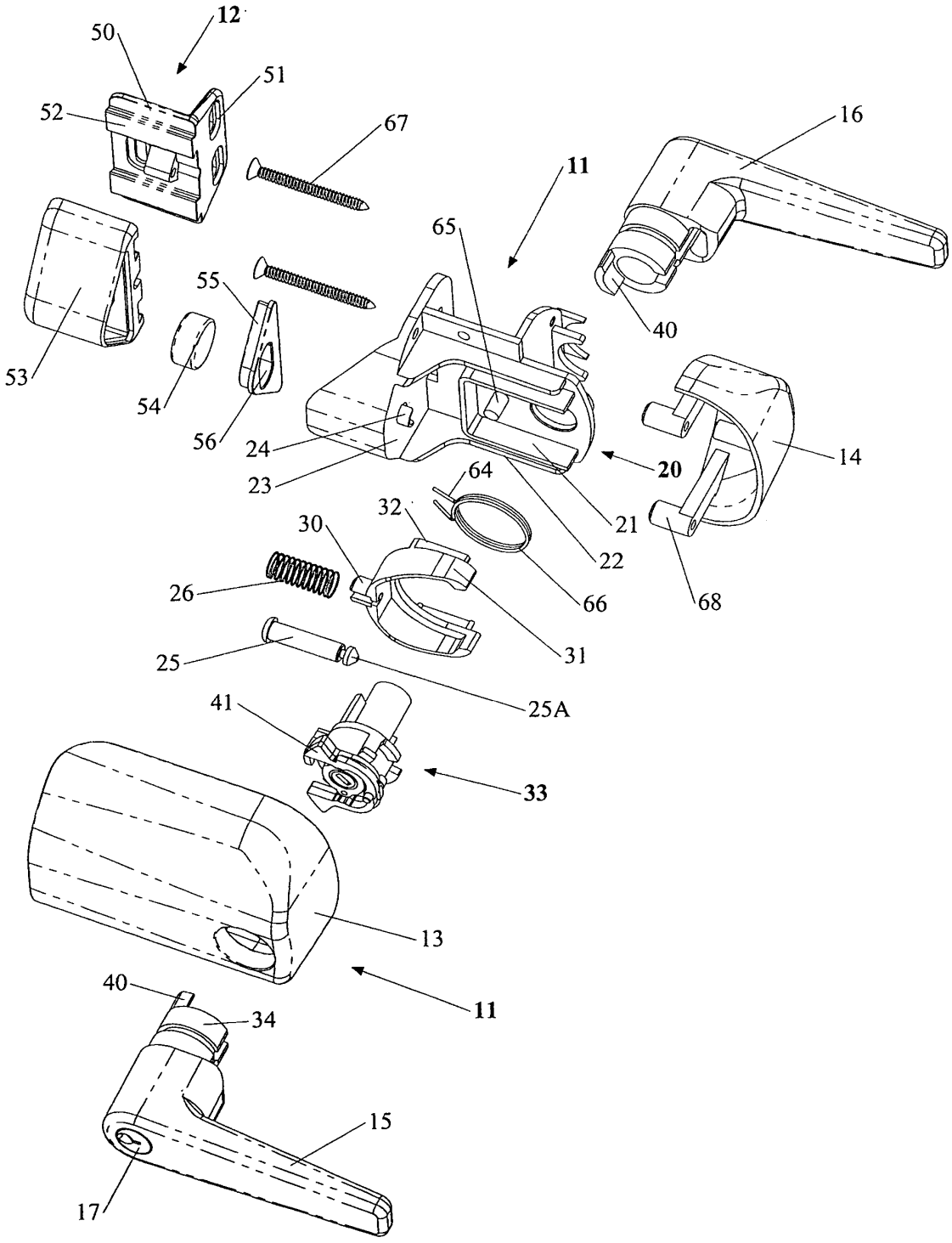
Family 60/200 - FAMPAT - ©Questel

Title

(EP1568836)

A Self-latching magnetic latching device

Images



Publication data including kind & date

US9790708	B2	2017-10-17	US9790708
HK1081245	A1	2011-09-02	HK1081245

CN1661189	B	2010-12-15	CN1661189B
US20080296915	A1	2008-12-04	US20080296915
US7390035	B2	2008-06-24	US7390035
EP1568836	A3	2008-01-23	EP1568836
NZ537689	A	2005-10-28	NZ-537689
JP2005240540	A	2005-09-08	JP2005240540
EP1568836	A2	2005-08-31	EP1568836
CN1661189	A	2005-08-31	CN1661189
ZA200500374	B	2005-08-31	ZA200500374
US20050184532	A1	2005-08-25	US20050184532
CA2492841	A1	2005-08-24	CA2492841
AU2005200184	B1	2005-04-14	AU2005200184

Abstract

(EP1568836)

A magnetic self-latching device for a gate has a main body with handles on either side for operation or has an arrangement to be remotely actuated, for example electrically. A latching body has a high strength magnet usually provided at the bottom of a cavity which defines a latching shoulder. The latching body is adapted to be fixed to a gate post. The main body, with its housing, can be mounted on the gate frame and incorporates a latch pin which, in the door-closed position, is displaced by magnetic attraction to an extended latching position and against the biasing of a return spring. The gate cannot be opened until actuation of the mechanism occurs, for example by rotating a handle to retract the pin against the magnetic force; the gate can then be swung open. When the handle is released, the biasing spring retains the latch pin in a retracted position. A lost motion arrangement is provided so that there is substantially no load on the pin when the handles are released and the pin is supported in the retracted position by the return spring. A carriage and an associated actuator or a flexible/semi flexible line connection is provided in the housing for incorporating the lost motion arrangement.

Inventors

CLARK ANTHONY JOHN

KAREZ IREK

Latest standardized assignees - inventors removed

D & D PTY

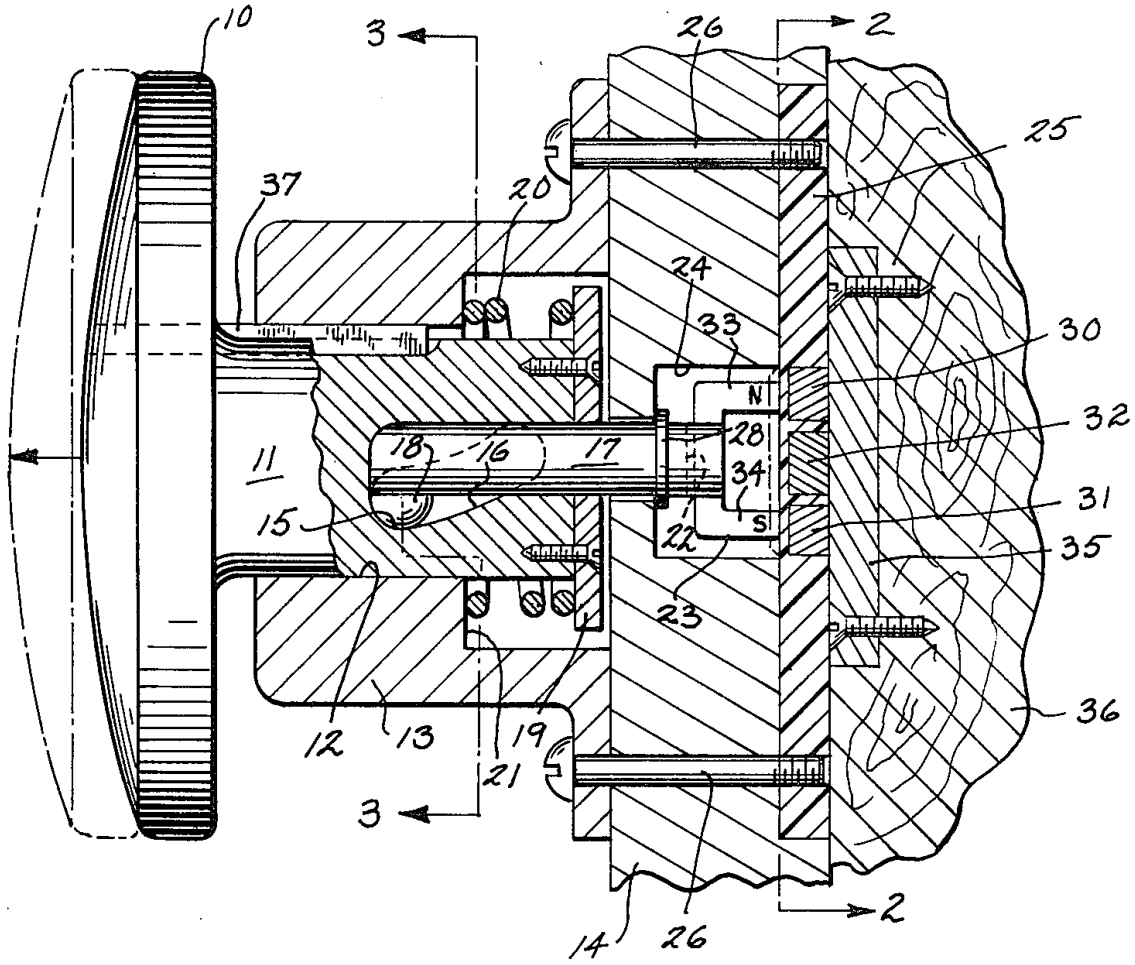
Family 61/200 - FAMPAT - ©Questel

Title

(US4099755)

Releasable magnet assembly

Images



Publication data including kind & date

US4099755 A 1978-07-11 US4099755

Abstract

(US4099755)

Several forms of releasable magnet door latches are disclosed. In one embodiment, a pull on a knob mounted in a housing attached to a door is translated by an inclined cam surface into rotary motion of an actuator rod extending into the door. The rod mounts a horseshoe magnet which is rotated with rotation of the rod. An intermediate member is mounted on the opposite surface of the door and contains a pair of ferromagnetic pole pieces which are spaced from each other and which act as extension of the poles of the horseshoe magnet in the ON position of the magnet. In such position, the magnet attracts a ferromagnetic plate mounted on the door frame. The intermediate member also contains a transverse shunt piece which bridges the poles of the magnet when the magnet has been rotated through an arc of 90.degree. to an OFF position. In the other embodiments, a rectangular permanent magnet having poles formed on opposite side surfaces has a pair of pole plates disposed on such side surfaces. The intermediate member mounted in the door contains a pair of spaced shunt bars which are aligned with the pole pieces to act as extensions thereof in the ON position, and which, upon the rotation of the magnet by the turning of a handle, bridge the pair of poles pieces to shunt the magnetic flux. In one of the other embodiments, the magnet and its pole pieces and the intermediate member constitute a subassembly in which extensions of the pole pieces are rotatably mounted within a central opening in the intermediate member and are restrained axially in such opening.

Inventors

ANDERSON KEITH J

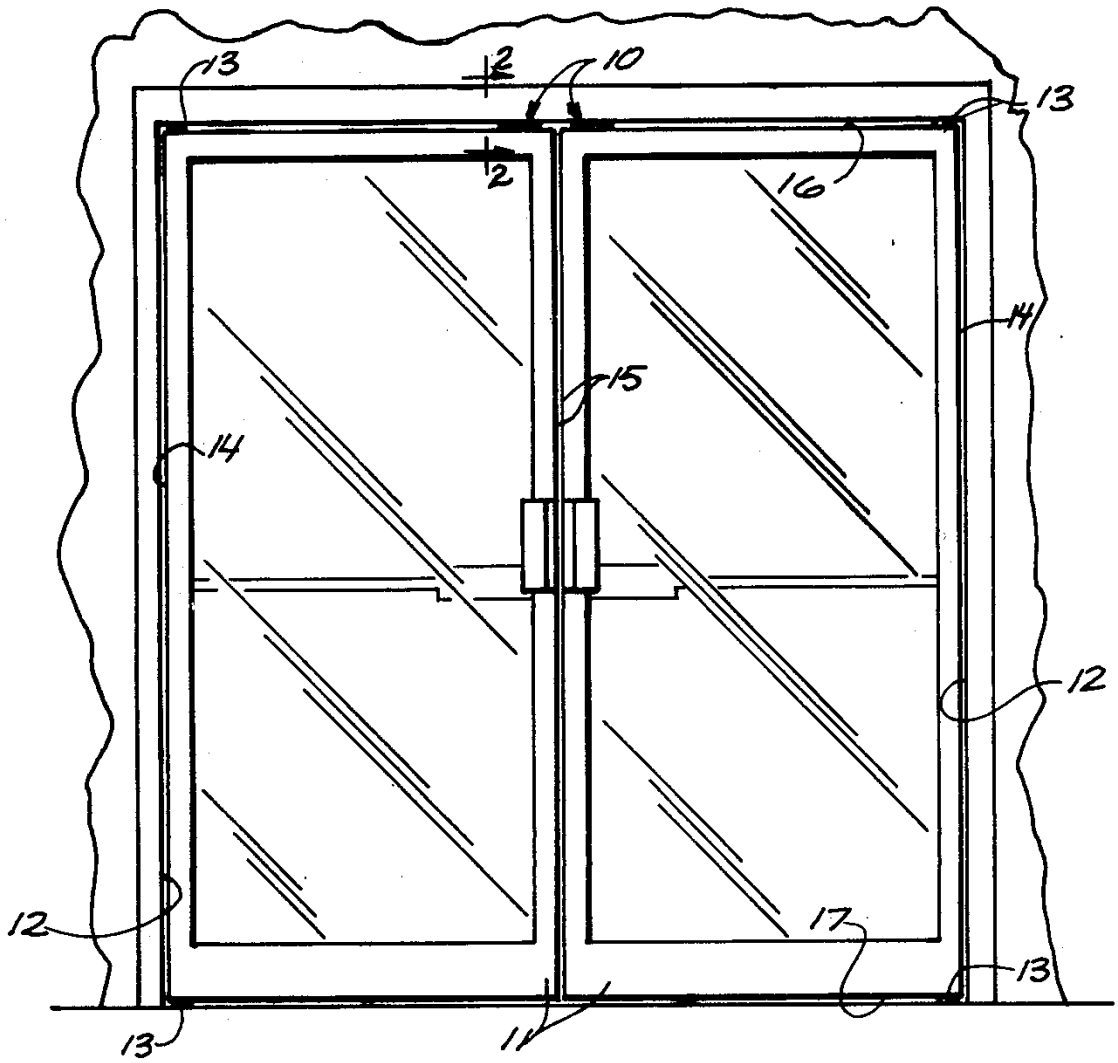
Family 62/200 - FAMPAT - ©Questel

Title

(US4155576)

Door keeper

Images



Publication data including kind & date

US4155576 A 1979-05-22 US4155576

Abstract

(US4155576)

A door keeper for double swing doors that retains the doors against partially opening due to wind forces. The keeper includes a permanent magnet that is mountable to a door frame. The magnet includes a flat surface that may be positioned flush with the adjacent surface of the door frame. A roller formed of magnetic material is mounted on brackets to the door in close proximity to the magnet when the door is in a closed position. Brackets mount the roller for free rotational movement about its axis and limited transverse movement toward and away from the permanent magnet surface. Therefore, when the door is in a closed position, the roller is engaged with the magnet by magnetic attraction, which retains the door in a closed condition against reasonable wind force. However, the roller is capable of rolling over the magnet surfaces when the door is subsequently moved by someone wishing to leave or enter the associated building.

Inventors

KENNON WILLIAM O

Family 63/200 - FAMPAT - ©Questel

Title

(EP3249141)

Lock having a latch and an additional latch for securing

Images

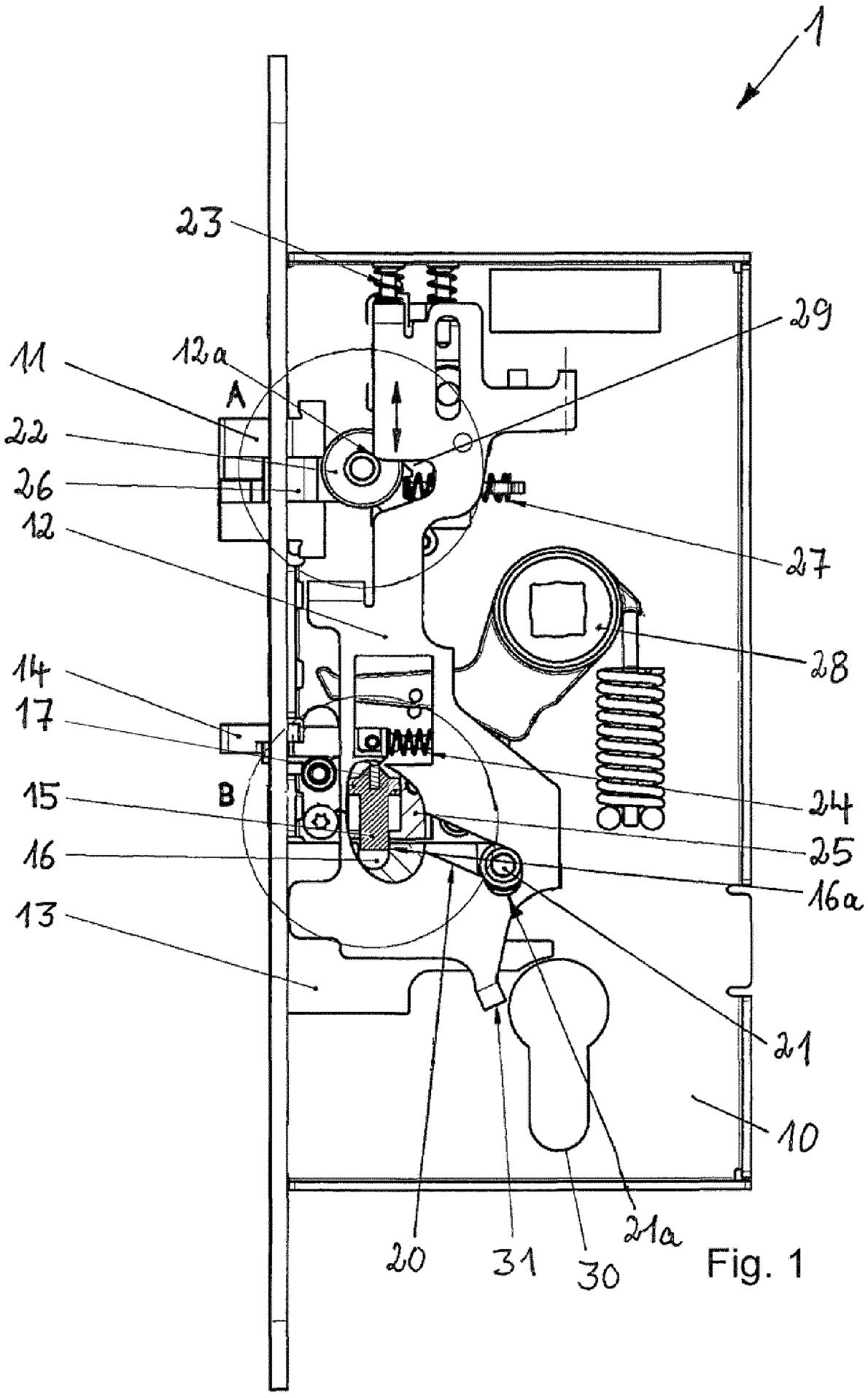


Fig. 1

Publication data including kind & date

EP3249141 B1 2019-05-08 EP3249141

EP3249141	A1	2017-11-29	EP3249141
DE102016109400	A1	2017-11-23	DE102016109400

Abstract

(EP3249141)

The invention relates to a (1) lock having a lock (10) case, with at least two latch elements, namely a case (11) and an additional case (14), and a locking (15) element with the case (11) between a lock (10) protruding position and a into the lock case (10) retracted position in the lock (10) case is collected, wherein the auxiliary case (14) between a lock (10) protruding position and a into the lock case (10) retracted position in the lock (10) case is collected, the locking element (15) from a first position to a second position that is, wherein in the first position of the (15) locking member locking the door is prevented, the blocking (15) element from the first position to the second position that is, if previously a motion places, wherein the movement system, trap (11) at least partially by the projecting case (14) and additional the retracted position at a least partially by the protruding position to the retracted position are.

According to the invention, that the locking (15) element by at least one within the lock box (10) effective magnetic force in one of the positions of the (15) locking member is moved.

Inventors

PÜSCHEL TOBIAS
GOSCH STEPHAN
HELLWIG ALEXANDER

Latest standardized assignees - inventors removed

DORMAKABA DEUTSCHLAND

Family 64/200 - FAMPAT - ©Questel

Title

(US3578370)

Magnetic door stop

Images

SHEET 1 OF 2

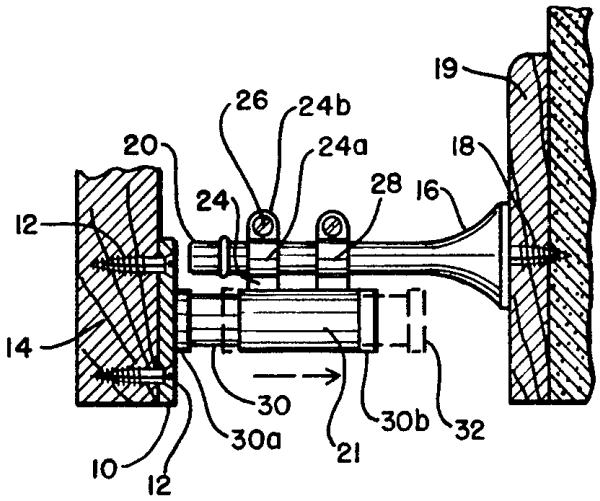


FIG. 1

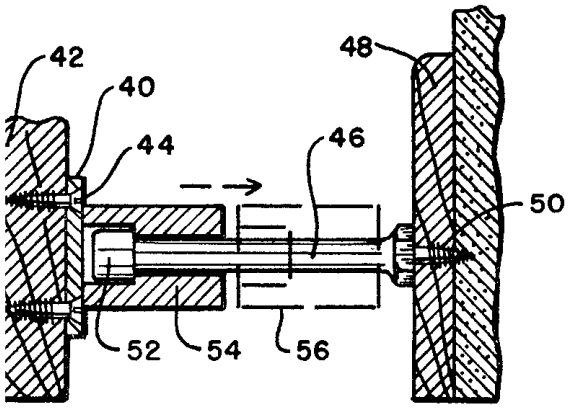


FIG. 2

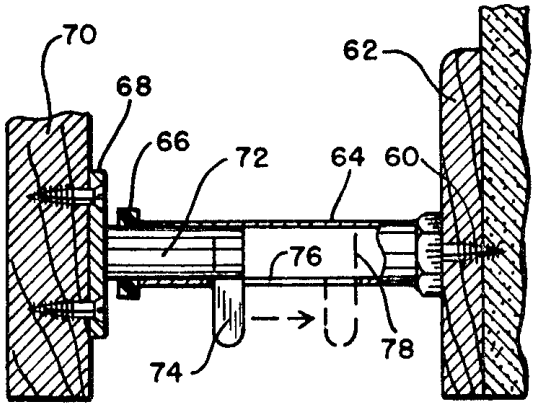


FIG. 3

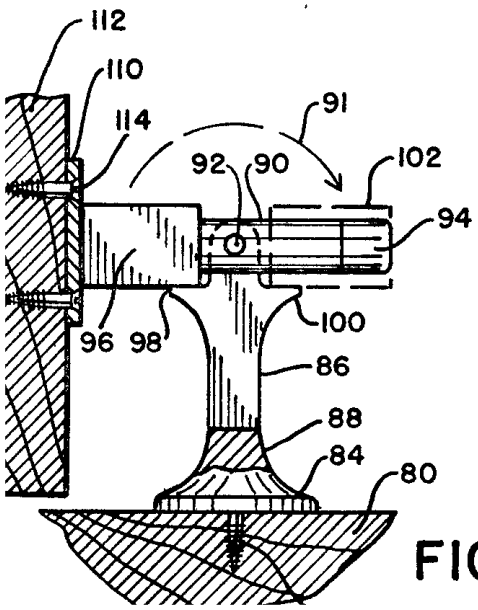


FIG. 4

INVENTOR
JAMES J. GREYTOK

BY Synnestvedt & Lechner

Publication data including kind & date

US3578370 A 1971-05-11 US3578370

Abstract

(US3578370)

A door stop is provided with a magnetically susceptible element that may be aligned in cooperative relationship with a magnetically susceptible element of a door to provide magnetic means to secure the door in the open position. The magnetically susceptible element of the door stop may be moved, when desired, into a nonoperating position. In one optional form of this invention, provision is made for adjustably aligning the operating face of the magnetically susceptible element of the door stop to make planar contact with the door while in its open position.

Inventors

GREYTOK JAMES J

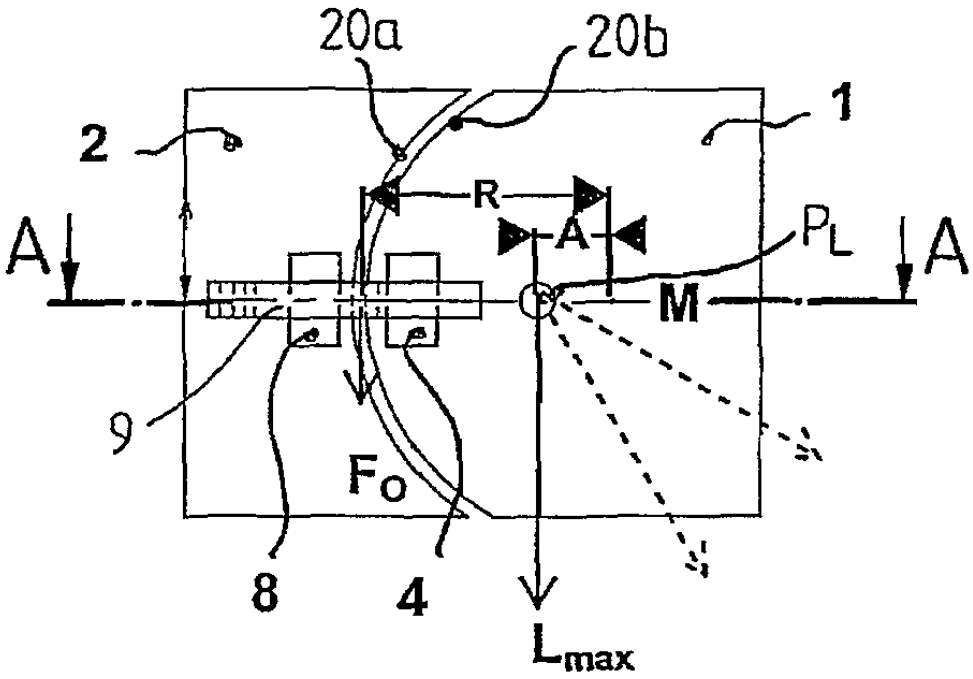
Family 65/200 - FAMPAT - ©Questel

Title

(WO201081880)

Closure device for connecting two parts

Images



Publication data including kind & date

DE112010000859	B4	2019-06-19	DE112010000859
US8850670	B2	2014-10-07	US8850670
DE112010000859	A5	2012-11-29	DE112010000859
US20110296653	A1	2011-12-08	US20110296653
WO2010/081880	A1	2010-07-22	WO201081880

Abstract

(WO2010/081880)

The invention relates to a closure device for connecting two parts, comprising a first connection module and a second connection module, wherein the first connection module can be arranged on the second connection module in a closing direction and is mechanically locked with the second connection module in a closed position, and magnetic means, which

cause a magnetic attraction force between the first connection module and the second connection module to support the transfer of the first connection module into the closed position. The first connection module can be detached from the second connection module by means of a movement of the first connection module or a part of the first connection module in an opening direction that differs from the closing direction, wherein the magnetic means counteract a movement of the first connection module in the opening direction. For such a closure device, it is provided that the first connection module (1) and the second connection module (2) each comprise at least one guide section (20a, 20b, 21a, 21a', 21b, 21b') that is circular-arc-shaped at least in some sections for guiding the first connection module (1) on the second connection module (2) along the opening direction (Y), wherein the guide sections are arranged concentrically to a pivot axis (M) defined by the circular-arc-shaped guide sections (20a, 20b, 21a, 21a', 21b, 21b'), wherein a load application point (PL) or load application section (40) that is arranged on the first connection module (1) and at which a load is applied to the first connection module (1) has a distance (A) from the pivot axis (M) defined by the guide sections (20a, 20b, 21a, 21a', 21b, 21b') that is smaller than the distance (R) of at least part of the magnetic means (4, 8) from the pivot axis (M). In this way, a closure device is provided that can be easily and comfortably closed and opened and at the same is secured against accidental opening due to loads acting in arbitrary directions, wherein however an emergency release possibly occurs if a predetermined load is exceeded.

Inventors

FIEDLER JOACHIM

Latest standardized assignees - inventors removed

FIDLOCK

Family 66/200 - FAMPAT - ©Questel

Title

(US5711556)

Lock assembly

Images

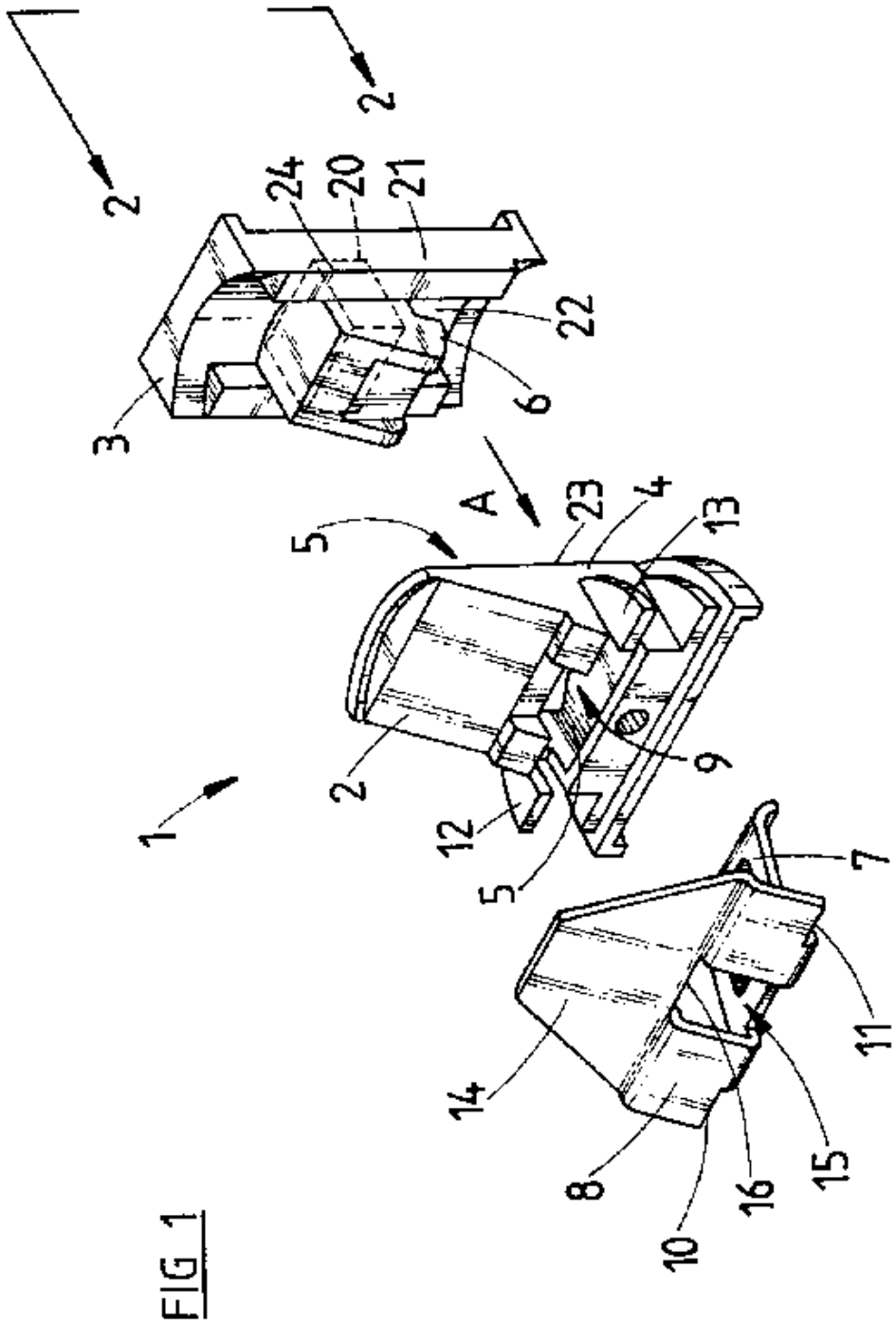


FIG 1

Publication data including kind & date

AU707676	B2	1999-07-15	AU-707676
US5711556	A	1998-01-27	US5711556
NZ280970	A	1997-10-24	NZ-280970
AU4336896	A	1996-08-29	AU9643368
AUPN112695	A0	1995-03-09	AU-112695

Abstract

(US5711556)

A lock assembly (1) including first and second components (2,3) adapted to be releasably engaged, the first component including an element (8) having a latch portion (7) for interlocking with a keeper means (22), the latch portion being held in an unlocked position in its rest state and being movable to engage with the keeper means as a result of magnetic attraction

therebetween.

Inventors

MASTERS ALLAN R

Latest standardized assignees - inventors removed

RMD PRESS

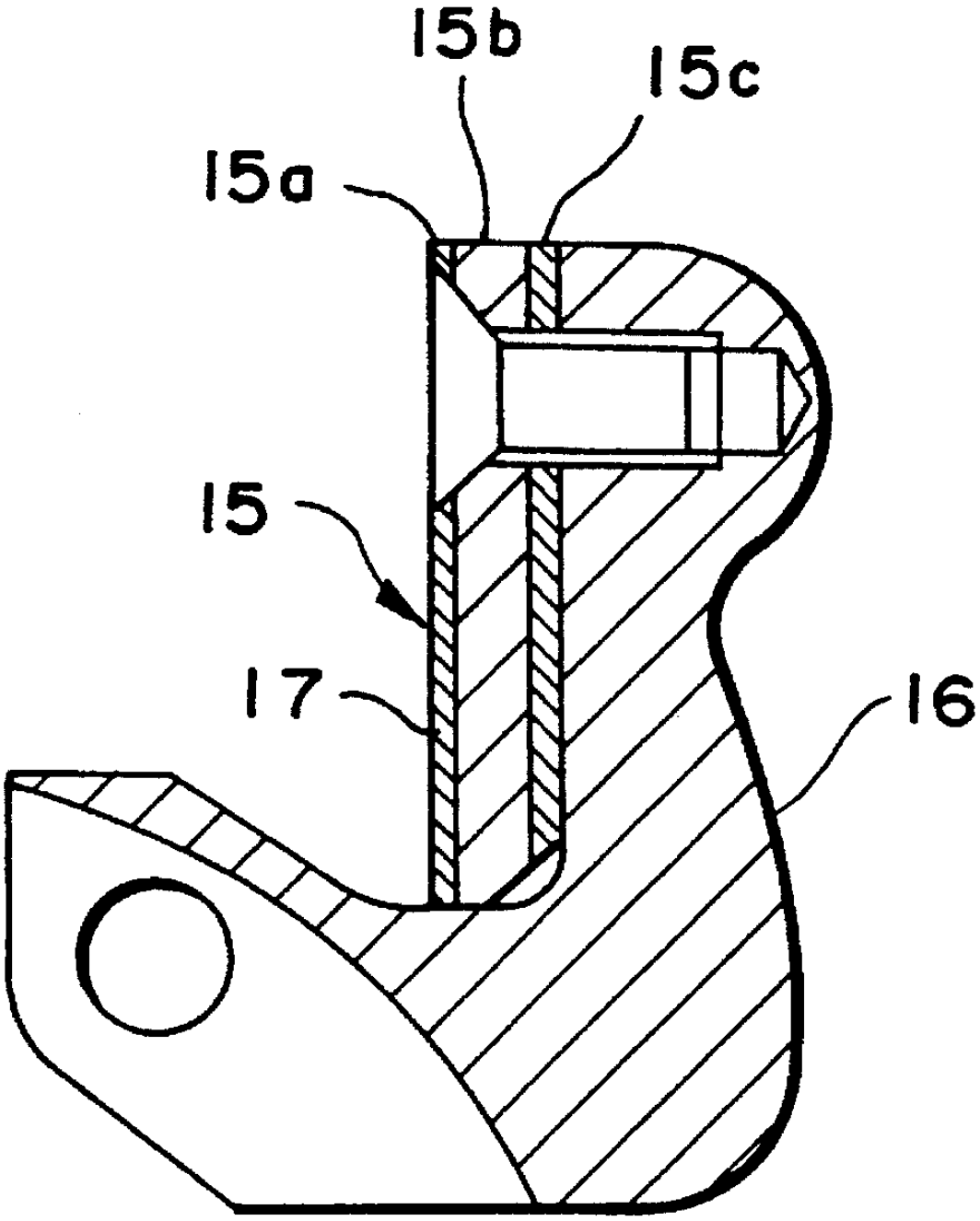
Family 67/200 - FAMPAT - ©Questel

Title

(EP-626493)

Door opener with a lockable, pivoted latch.

Images



Publication data including kind & date

CN1082126	C	2002-04-03	CN1082126C
CA2124125	C	1997-12-23	CA2124125
US5511839	A	1996-04-30	US5511839
EP0626493	A3	1995-07-19	EP-626493

DE4317564	C2	1995-05-11	DE4317564
JPH07102832	A	1995-04-18	JP07102832
CN1099838	A	1995-03-08	CN1099838
DE4317564	A1	1994-12-01	DE4317564
EP0626493	A2	1994-11-30	EP-626493
CA2124125	A1	1994-11-27	CA2124125

Abstract

(EP0626493)

A door opener with a pivotable latch, for installation into a door frame in which a door, in its closed position, butts, by way of a safety bolt, against a locking surface of the latch in order to fix the position of the door in the door frame. Said door opener is distinguished in that the latch exhibits a basic latch body and at least one adaption element, in that the locking surface is formed on the adaption element, in that the adaption element can be connected to the basic latch body, and in that the adaption element, for adjustment of the door in the closed position, has a predeterminable thickness. <IMAGE>

Inventors

FUSS FRITZ HELMUT DIPL-ING FH

RUTHERFORD JOHN S

GONSER GERHARD

Latest standardized assignees - inventors removed

FUSS FRITZ

Family 68/200 - FAMPAT - ©Questel

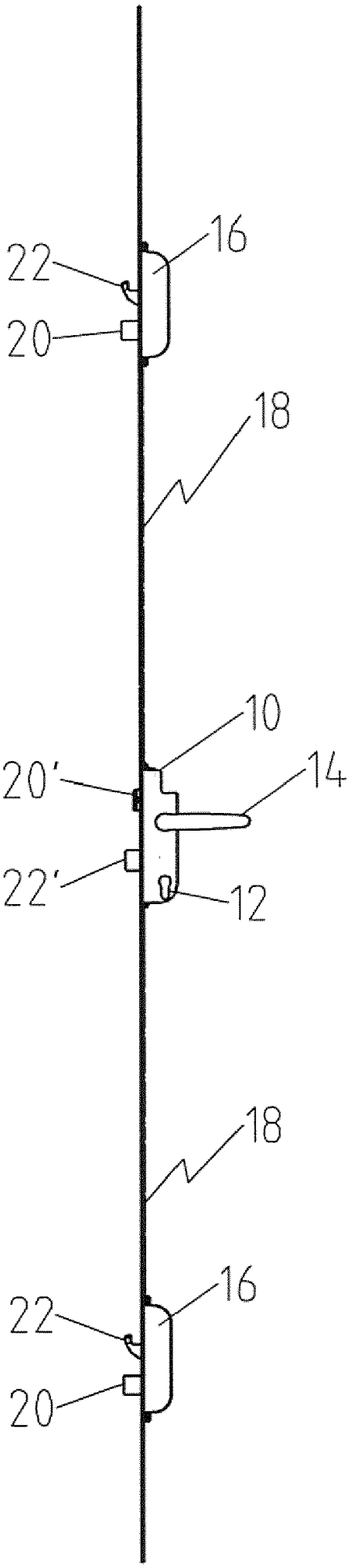
Title

(EP2543804)

Auxiliary lock for a lock

Images

Fig.1



Publication data including kind & date

EP2543804	B1	2019-08-07	EP2543804
EP2543804	A3	2017-07-05	EP2543804
EP2543804	A2	2013-01-09	EP2543804
DE202011102905	U1	2012-12-06	DE202011102905

Abstract

(EP2543804)
The automatic lock comprises a primary lock (10) and a secondary lock (16). The secondary lock: comprises a locking element (20, 22') that is adjustable between a locking position and an unlocking position, and a lock latch that is slidably mounted between an extended position and a retracted position; and is automatically adjusted into the locking position during the introduction of the lock in the closed position. The lock latch and the locking element are associated with a respective frame side recess, in which the locking element located in the locking position. The automatic lock comprises a primary lock (10) and a secondary lock (16). The secondary lock: comprises a locking element (20, 22') that is adjustable between a locking position and an unlocking position, and a lock latch that is slidably mounted between an extended position and a retracted position; and is automatically adjusted into the locking position during the introduction of the lock in the closed position. The lock latch and the locking element are associated with a respective frame side recess in which the locking element located in the locking position and the lock latch located in the extended position engage in the unlocking position of the lock. The locking element: located in the unlocking position is biased in the direction of the locking position by a gravitational force acting on the locking element and/or on an element coupled with the locking element or by a spring force acting on the locking element and/or an element coupled with the locking element; comprises a swivel hook, whose center of gravity is arranged outside the pivot axis of the hook so that the swivel hook located in the unlocking position is biased by the gravitational force acting in the direction of the locking position; is operably connected with a transmission element; located in the locking position is secured against back pressure in the direction of the unlocking position; and is coupled with the transmission element via a pin-shaped coupling element. The lock latch: located in the retracted position of the secondary lock is applied with the spring force acting in the direction of the extended position of the lock; and located in the extended position of the secondary lock is retractable on the transmission element of the secondary lock in the retracted position. The transmission element or an element coupled with the transmission element is biased in the direction of the locking position by the action of gravitational force or spring force. The coupling element is slidably stored on the locking element, on the transmission element and on a housing part fixed on the secondary lock. The housing part forms an abutment for the coupling element in the locking position of the locking element, where the back pressure of the locking element is blocked in the direction of the unlocking position. Independent claims are included for: (1) a primary lock for an automatic lock; and (2) a door.
(From EP2543804 A2)

Inventors

HÖLZL JOSEF

Latest standardized assignees - inventors removed

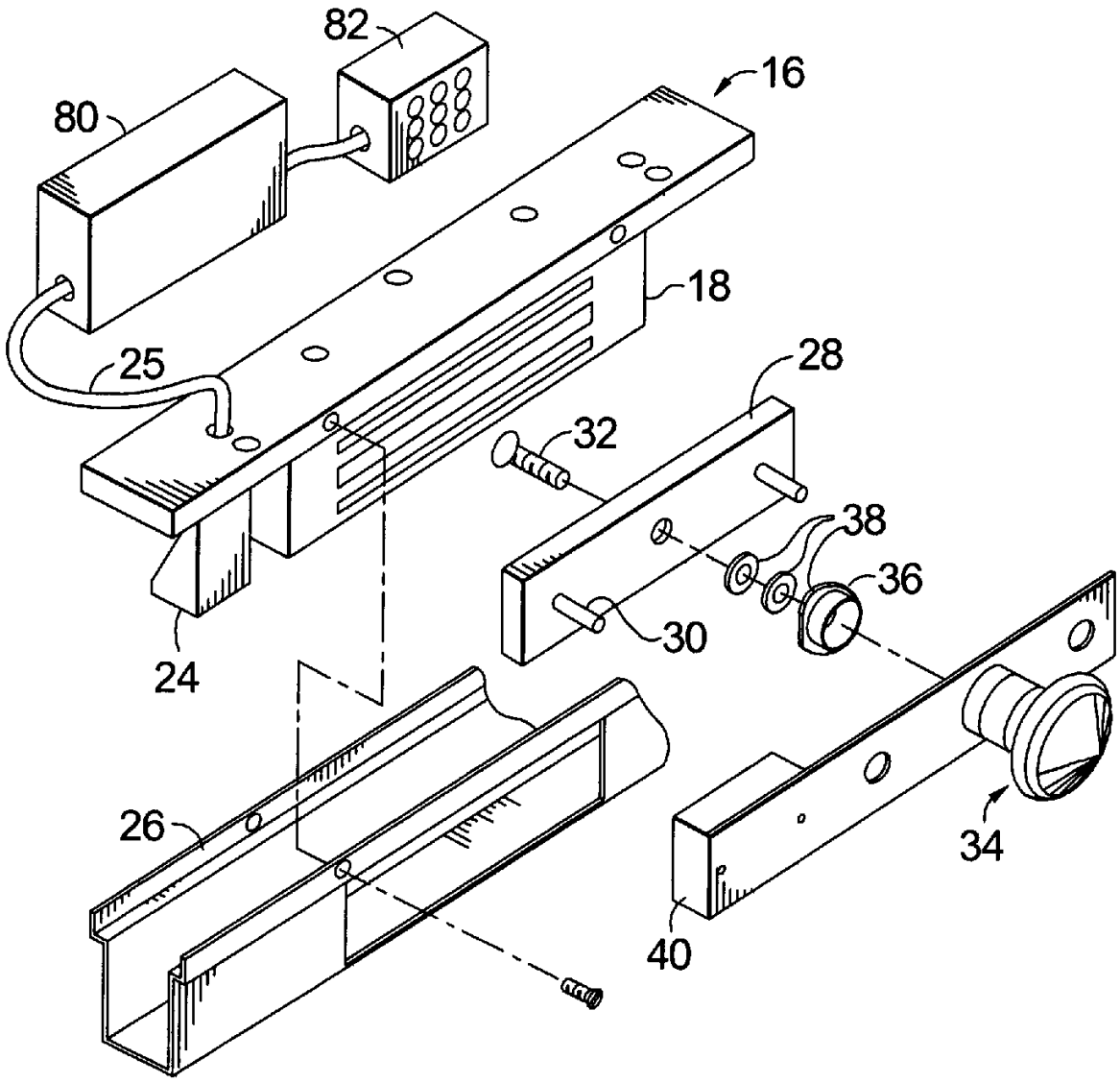
MACO TECHNOLOGY

Family 69/200 - FAMPAT - ©Questel

Title

(US8820803)
Electromagnetic lock having distance-sensing monitoring system

Images



Publication data including kind & date

USRE46832	E1	2018-05-08	USRE46832
US8820803	B2	2014-09-02	US8820803
US20100218569	A1	2010-09-02	US20100218569

Abstract

(US20100218569)

An emergency exit door lock system configured to cooperate with a door hinged in a door frame for sensing when a person attempts to open the door, and for allowing the door to open after a subsequent delay. The system comprises an electromagnet affixable to a door frame for electromagnetically attracting an armature resiliently affixed at a variable armature separation distance to an armature mounting device, the device being affixable to the door. A proximity sensor including an analog Hall Effect device is mountable to the frame for detecting movement of the door away from a closed position. A controller, such as a micro-controller, receives a signal from the sensor and causes an alarm as a function of the signal. The signal is indicative of the armature separation distance, the controller being calibrate-able to provide a door alarm signal and door opening signal at any desired value of the armature separation distance.

Inventors

HUNT ROBERT C

ROTH THOMAS EDWARD

Latest standardized assignees - inventors removed

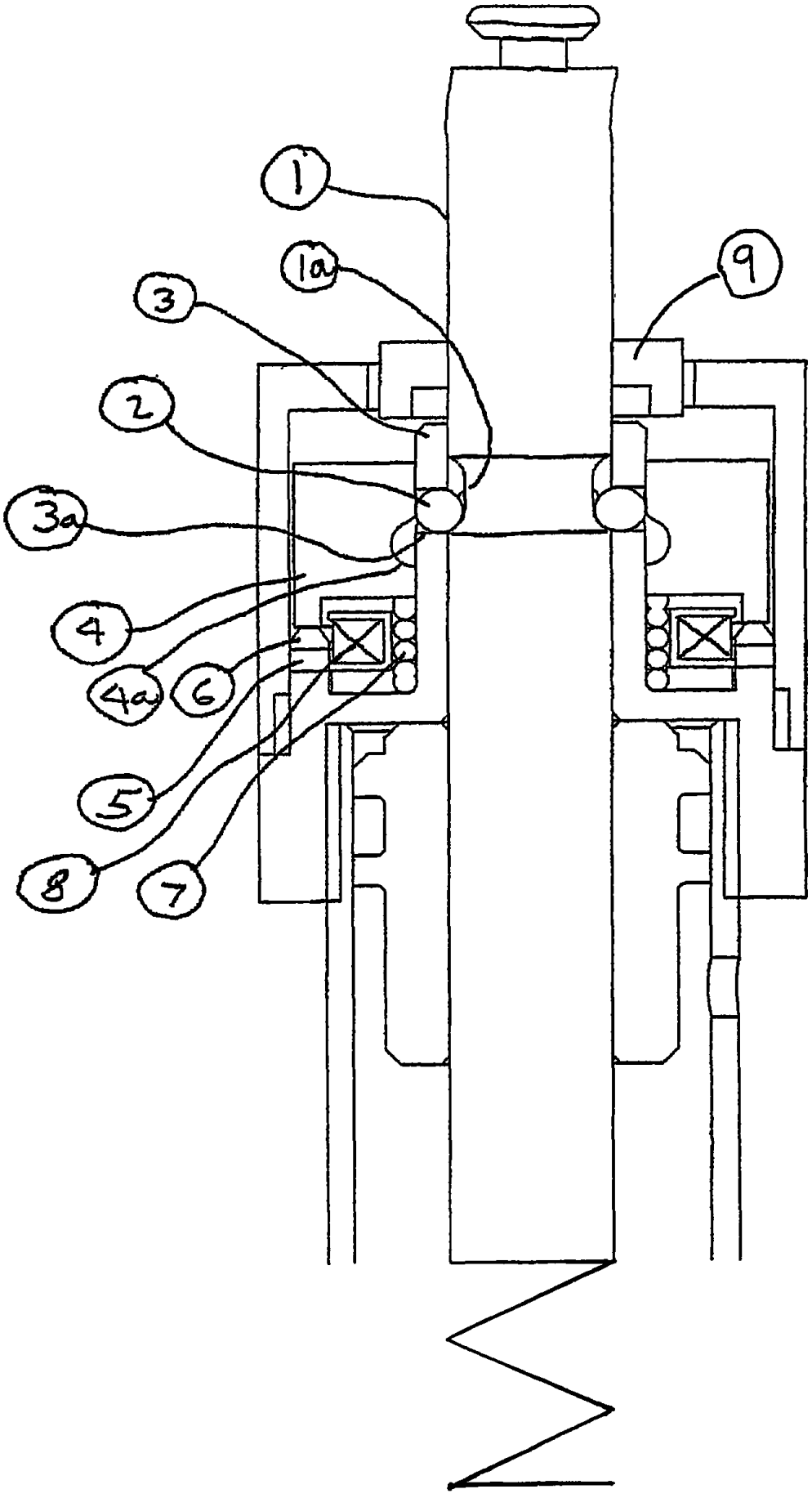
HANCHETT ENTRY SYSTEMS

Title

(EP1901945)

Electro-magnetic release mechanism

Images



Publication data including kind & date

BRPI0613485	B1	2017-05-23	BR200613485
IN281424	B	2017-03-24	IN-281424
CA2614263	C	2015-06-23	CA2614263
CN101247976	B	2012-11-28	CN101247976B
JP4944108	B2	2012-03-09	JP4944108
AU2006268102	B2	2012-02-02	AU2006268102
US8083274	B2	2011-12-27	US8083274
KR101052632	B1	2011-07-28	KR101052632
ES2361391	T3	2011-06-16	ES2361391
BRPI0613485	A2	2011-05-31	BR200613485
DE602006020569	D1	2011-04-21	DE602006020569
AT501005	T	2011-03-15	ATE501005
EP1901945	B1	2011-03-09	EP1901945
JP2009501305	A	2009-01-15	JP2009501305
US20080258484	A1	2008-10-23	US20080258484
CN101247976	A	2008-08-20	CN101247976
IN1211/DELNP/2008	A	2008-06-27	IN2008DN01211
KR20080036987	A	2008-04-29	KR20080036987
EP1901945	A1	2008-03-26	EP1901945
MX2008000433	A	2008-03-14	MX2008000433
WO2007/007109	A1	2007-01-18	WO200707109
AU2006268102	A1	2007-01-18	AU2006268102
CA2614263	A1	2007-01-18	CA2614263
GB0514373	D0	2005-08-17	GB200514373

Abstract

(EP1901945)

An electro-magnetic mechanism comprises a spring-operated rod (1) having a recess (1a) and a latching member (2) engageable in the recess to block motion of the rod. A release member (4) retains the latching member engaged in the recess (1a) in a first position of the release member and allows the latching member to be disengaged from the recess in a second position of the release member (4). A magnet (5) retains the release member in the first position and the mechanism includes means such as a spring (7) for urging the release member (4) to the second position. A coil (8) is arranged to demagnetise the magnet (5) at least such that the release member moves to the second position, the latching member (2) is disengaged from the recess (1a) and the rod (1) moves axially by spring force.

Inventors

CALDWELL NIALL JAMES

MCINTYRE FERGUS ROBERT

Latest standardized assignees - inventors removed

ARTEMIS INTELLIGENT POWER

MULTIMATIC

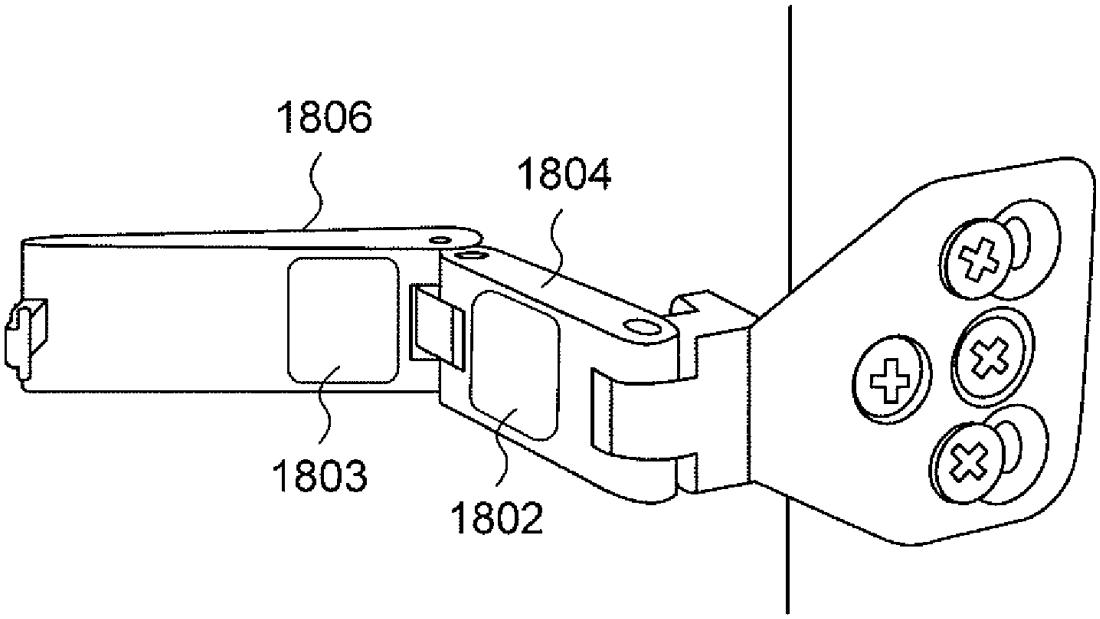
Family 71/200 - FAMPAT - ©Questel

Title

(EP2430268)

Easily installed and non-defacing security latch

Images



Publication data including kind & date

US8939476	B2	2015-01-27	US8939476
EP2430268	A4	2014-10-01	EP2430268
EP2430268	A2	2012-03-21	EP2430268
CN102362043	A	2012-02-22	CN102362043
WO2010/132131	A3	2011-03-31	WO2010132131
WO2010/132131	A2	2010-11-18	WO2010132131
US20100289278	A1	2010-11-18	US20100289278
US20100289276	A1	2010-11-18	US20100289276

Abstract

(EP2430268)

Embodiments of the present invention include door-securing latches that allow an occupant of a room or other space accessed through a door to secure the door, from inside the room or other space, in order to prevent entry or access by others. Embodiments of the present invention provide a mechanically strong and secure latch that cannot be easily broken or compromised by application of force to the door or by insertion of a tool or device between me door and an adjacent door frame to disable the latch, but that can be disabled by a knowledgeable individual, such as an apartment manger seeking to rescue a disabled apartment occupant in an emergency situation.

Inventors

TANG GORDON C

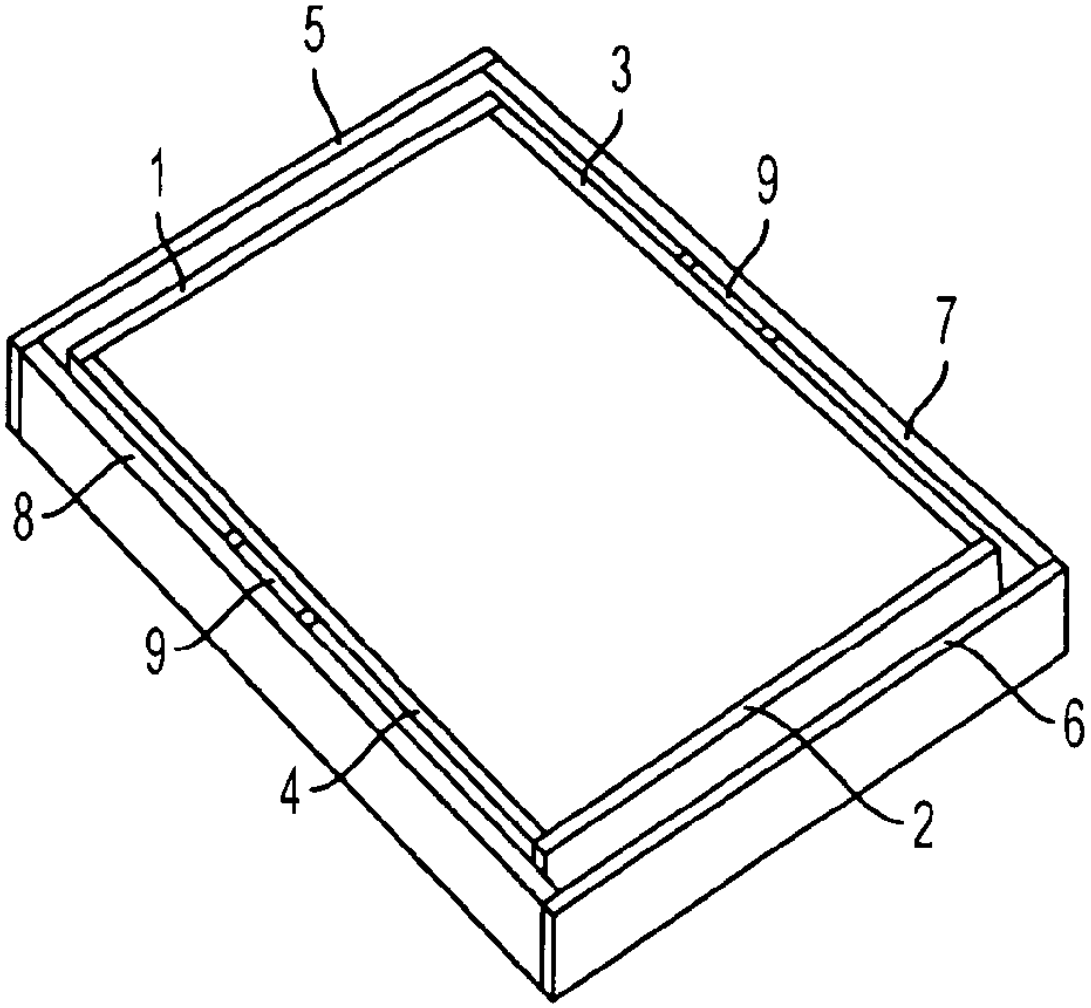
Family 72/200 - FAMPAT - ©Questel

Title

(EP1746232)

Window securing means and methods

Images



Publication data including kind & date

JP5175725	B2	2013-01-11	JP5175725
US8308204	B2	2012-11-13	US8308204
EA015017	B1	2011-04-29	EA--15017
BRPI0614226	A2	2011-04-05	BR200614226
CN100523421	C	2009-08-05	CN100523421C
US20090146436	A1	2009-06-11	US20090146436
JP2009503288	A	2009-01-29	JP2009503288
DK1746232	T3	2008-10-20	DK1746232T
EA200800026	A1	2008-08-29	EA200800026
DE602005007597	D1	2008-07-31	DE602005007597
CN101223326	A	2008-07-16	CN101223326
AT398720	T	2008-07-15	ATE398720
EP1746232	B1	2008-06-18	EP1746232
WO2007/009685	A1	2007-01-25	WO200709685
AU2006271990	A1	2007-01-25	AU2006271990
CA2614387	A1	2007-01-25	CA2614387
EP1746232	A1	2007-01-24	EP1746232

Abstract

(EP1746232)

An assembly for securing an openable aperture closure member (11) in closed position relative to an aperture defined by a main frame (12), the aperture closure member (11) including a mechanically rotational means (24, 44, 54) for securing said closure member (11) to the frame (12), the assembly for securing comprising a push and/or pull actuation assembly (35) for

easing the securing and/or releasing process for the aperture closure member, the actuation assembly including a handle bar (36) and at least one connecting member (37) which operably connects the handle bar (36) to the mechanical means (24, 44, 54); wherein the push and/or pull actuation assembly (35) is adapted to be translationally movable by an operator and the connecting member (37) is adapted to convert translational movement of the actuation assembly (35) into rotational forcing movement of the mechanically rotational means (24, 44, 54).

Inventors

LINDGREN CLAES

Latest standardized assignees - inventors removed

VKR HOLDING

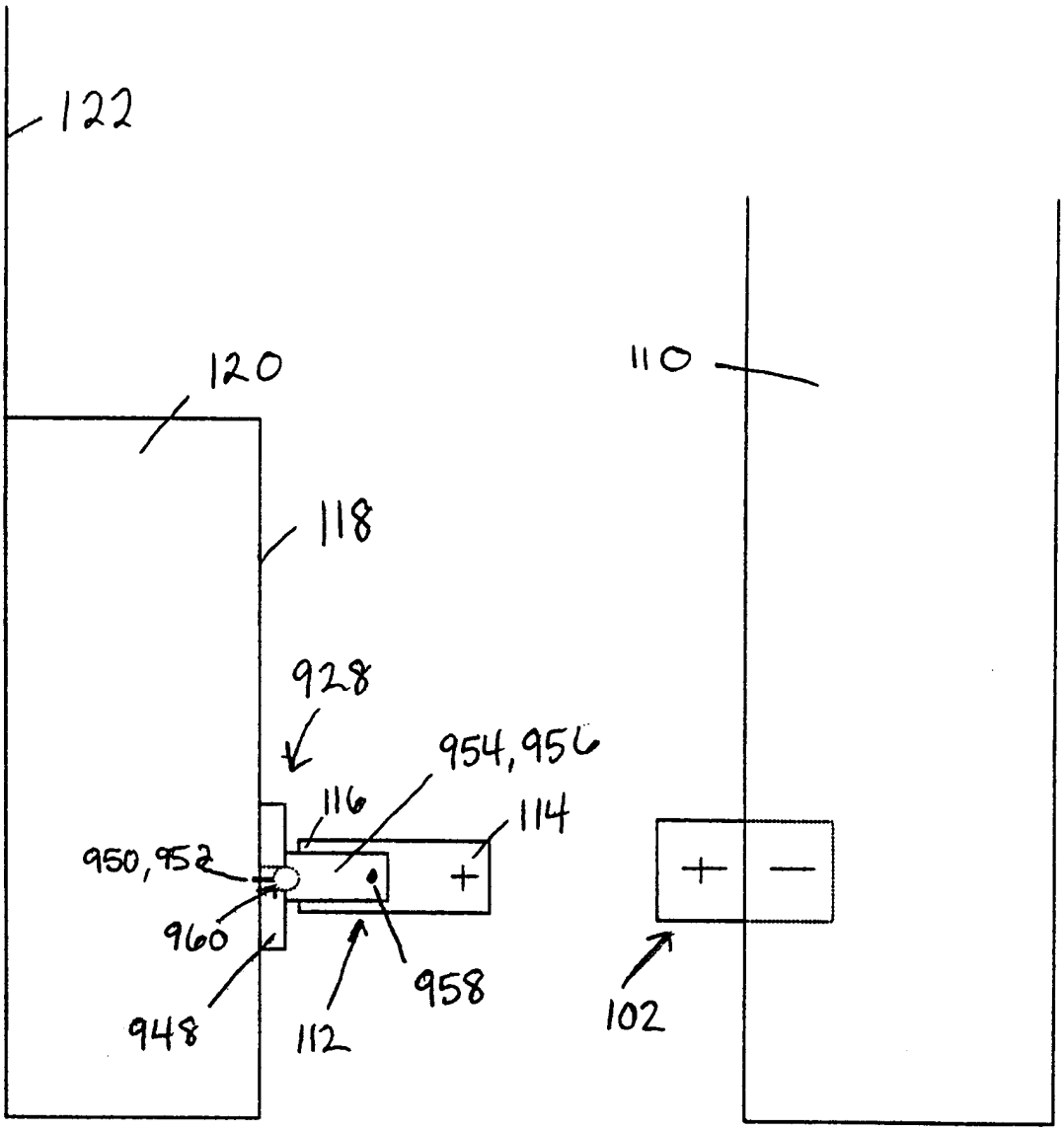
Family 73/200 - FAMPAT - ©Questel

Title

(US20040104584)

Reversible magnetic door stop/latch

Images



Publication data including kind & date

US20040104584	A1	2004-06-03	US20040104584
US6588811	B1	2003-07-08	US6588811

Abstract

(US20040104584)

A magnetic door stop/latch contains a first magnet mounted on or within a door and a second magnet mounted on or within a structure opposing the door, such as a wall, door jamb, door frame or baseboard. When the door is moving towards the opposing structure, the magnetic door stop may used to prevent the door from slamming into the opposing structure by virtue of the repulsive forces of the magnets. The magnetic door stop may be switched from repulsive configuration to an attractive configuration that holds the door in position.

Inventors

FERGUSON EDWARD B

Family 74/200 - FAMPAT - ©Questel

Title

(US5908228)

Door opening/closing handle apparatus for a refrigerator

Images

FIG. 1
(PRIOR ART)

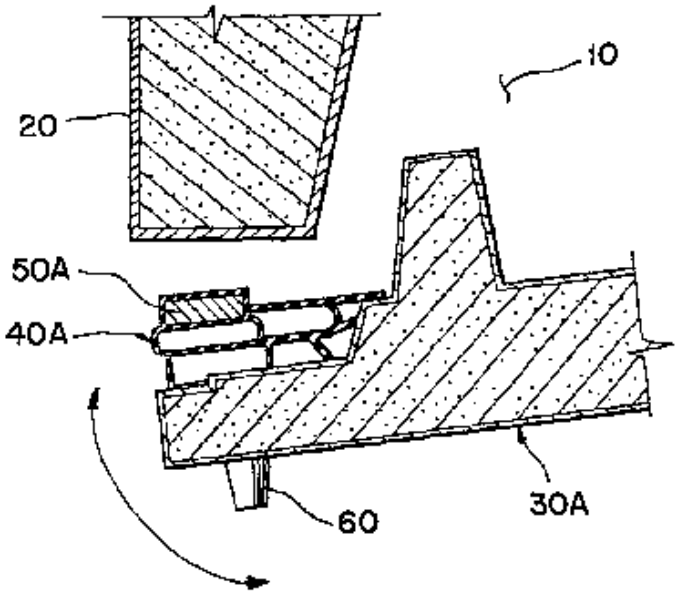
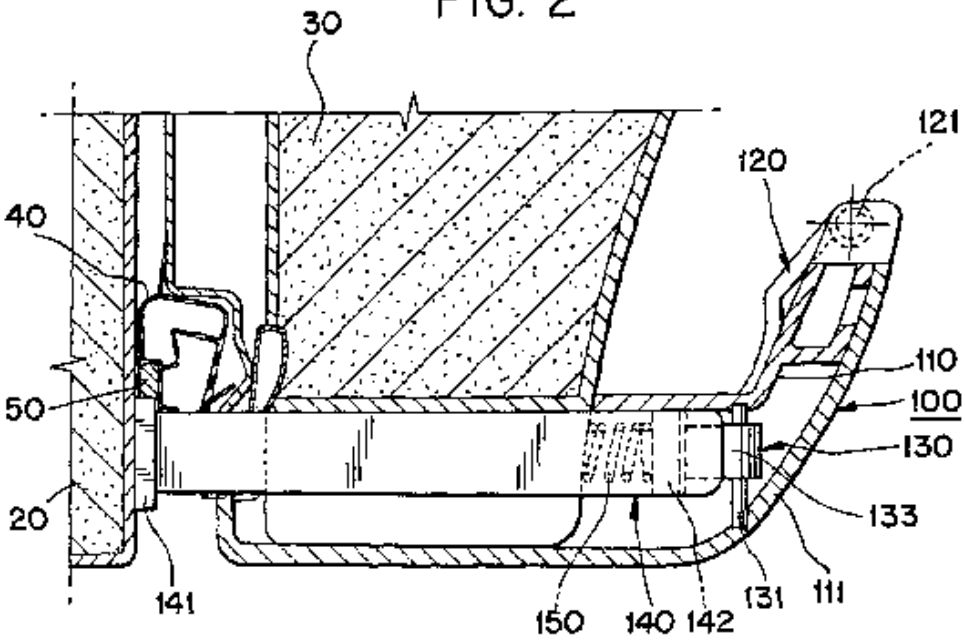


FIG. 2



Publication data including kind & date

CN1099013	C	2003-01-15	CN1099013C
JP3048542	B2	2000-06-05	JP3048542
US5908228	A	1999-06-01	US5908228
KR200139299	Y1	1999-05-15	KR200139299U
KR19980010981	U	1998-05-25	KR19980010981U
CN1177090	A	1998-03-25	CN1177090
JP10073367	A	1998-03-17	JP10073367

Abstract

(US5908228)

A refrigerator includes a cabinet and a door. The door includes a gasket which, when the door is closed, is held by

magnetic force against the cabinet. A handle assembly mounted on the door includes a finger-actuated lever which can be actuated by a user's finger to displace a slide which initially pushes open the door by a predetermined distance sufficient to separate the gasket from the cabinet. Then the door can be opened by pulling easily on a rigid part of the handle that is fixed to the door.

Inventors

LEE YEON-HARK

Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

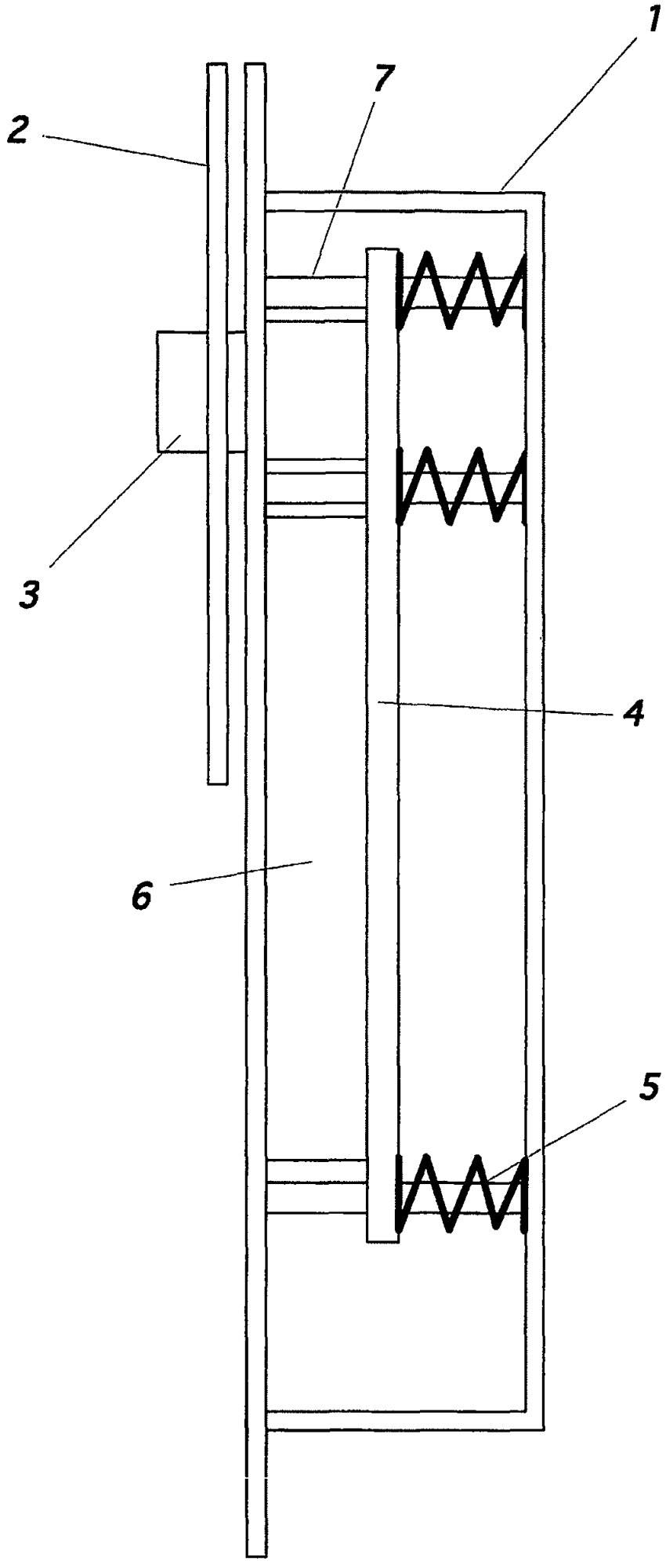
Family 75/200 - FAMPAT - ©Questel

Title

(EP1718825)

Electromagnetic lock provided with a sliding bolt for a swinging-type door

Images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Publication data including kind & date

US7954862	B2	2011-06-07	US7954862
ES2317208	T3	2009-04-16	ES2317208
DE602005011407	D1	2009-01-15	DE602005011407
CA2552919	C	2008-12-23	CA2552919
AT416287	T	2008-12-15	ATE416287
EP1718825	B1	2008-12-03	EP1718825
US20080223092	A1	2008-09-18	US20080223092
EP1718825	A1	2006-11-08	EP1718825
FR2865491	B1	2006-04-28	FR2865491
WO2005/083211	A1	2005-09-09	WO200583211
CA2552919	A1	2005-09-09	CA2552919
FR2865491	A1	2005-07-29	FR2865491

Abstract

(EP1718825)

The inventive electromagnetic lock provided with a sliding bolt for a swinging-type door is characterised in that the bolt (3) is supported by a movable plate (4) which forms the armature of an electric magnet arranged in the lock body (1). Said plate is displaceable by the action of two forces acting in the same direction in such a way that the bolt is protruded. The displacement of the plate (4) forming said armature is carried out in a direction which is the usual displacement direction of the bolt.

Inventors

DEFERT JEAN-MICHEL

Latest standardized assignees - inventors removed

DIGIT

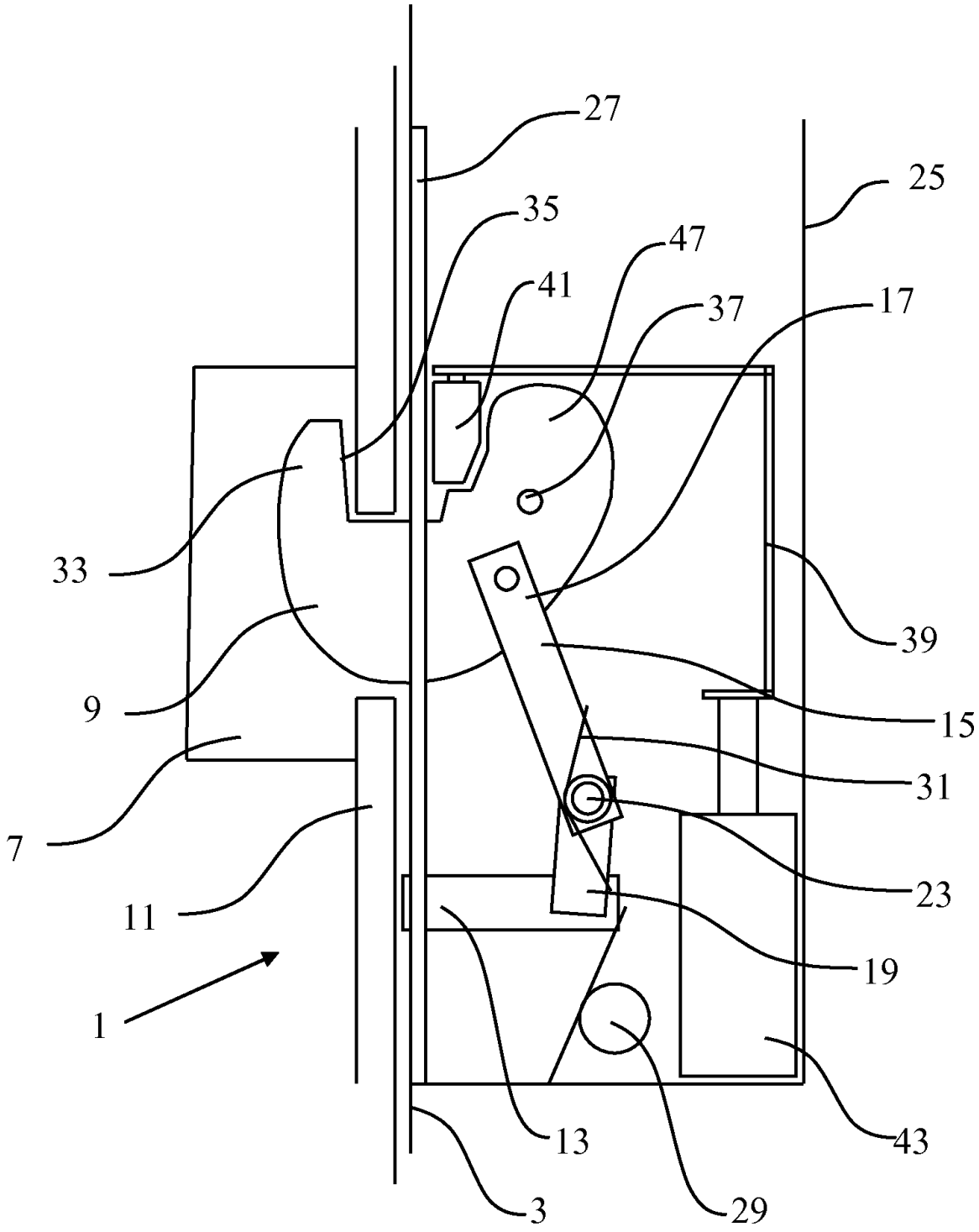
Family 76/200 - FAMPAT - ©Questel

Title

(EP2591187)

Locking device with striking arrangement and automatic locking

Images



Publication data including kind & date

EP2591187	A4	2017-05-17	EP2591187
US9410350	B2	2016-08-09	US9410350
EP2591187	A1	2013-05-15	EP2591187
US20130106119	A1	2013-05-02	US20130106119
WO2012/005662	A1	2012-01-12	WO201205662

Abstract

(EP2591187)

The present invention relates to a locking device suitable for allowing or restricting access into an area or space, the locking device (1) comprising at least one locking element (9) arranged to,in a first locking state, engage a striking arrangement (11), such as a strike plate, for holding a closing element (3), such as a door, locked, and, in a second, non-locking state, to allow movement of the closing element.

Inventors

STENDAL JAN

Latest standardized assignees - inventors removed

STENDALS EL

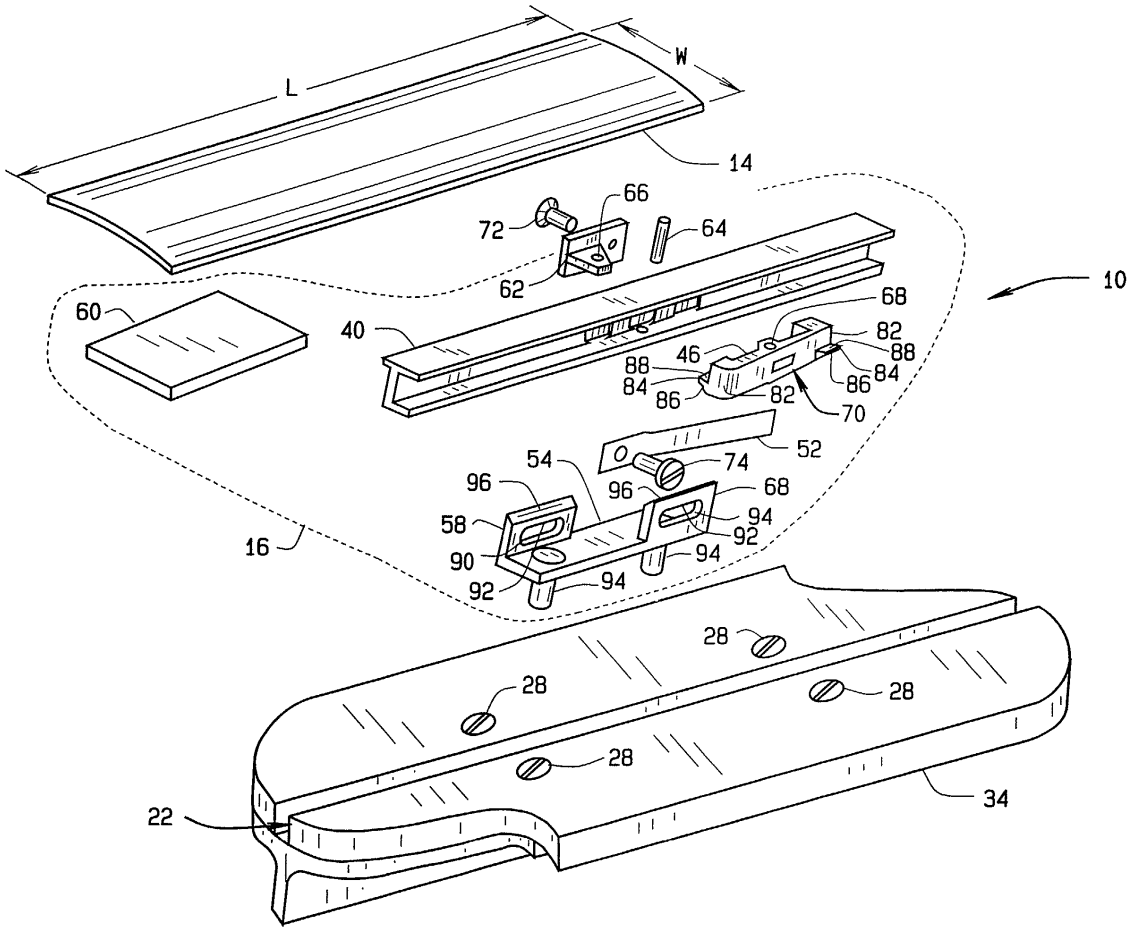
Family 77/200 - FAMPAT - ©Questel

Title

(US7172223)

Magnetically reactive pivot latch system

Images



Publication data including kind & date

US7172223	B2	2007-02-06	US7172223
US20030177797	A1	2003-09-25	US20030177797

Abstract

(US20030177797)

A latching system for removably securing a first structure to a second structure. The system includes at least one magnetically permeable latch bar pivotally coupled to the first structure, and a biasing spring that pivots the latch bar to a latched position within a recess in the second structure, thereby securing the first structure to the second structure. Additionally, the system includes an unlatching tool that includes an embedded magnetized bar that generates a magnetic field around the unlatching tool. The unlatching tool can be used to pivot the latch bar to an unlatched position by placing the unlatching tool in close proximity to the latch bar such that the magnetic field exerts a rotational force on the latch bar, thereby pivoting the latch bar to the unlatched position.

Inventors

STORVICK DARRELL M

PIMENTEL DAVID A

NELSON KARL E

GARRIGUS DARRYL F

Latest standardized assignees - inventors removed

BOEING

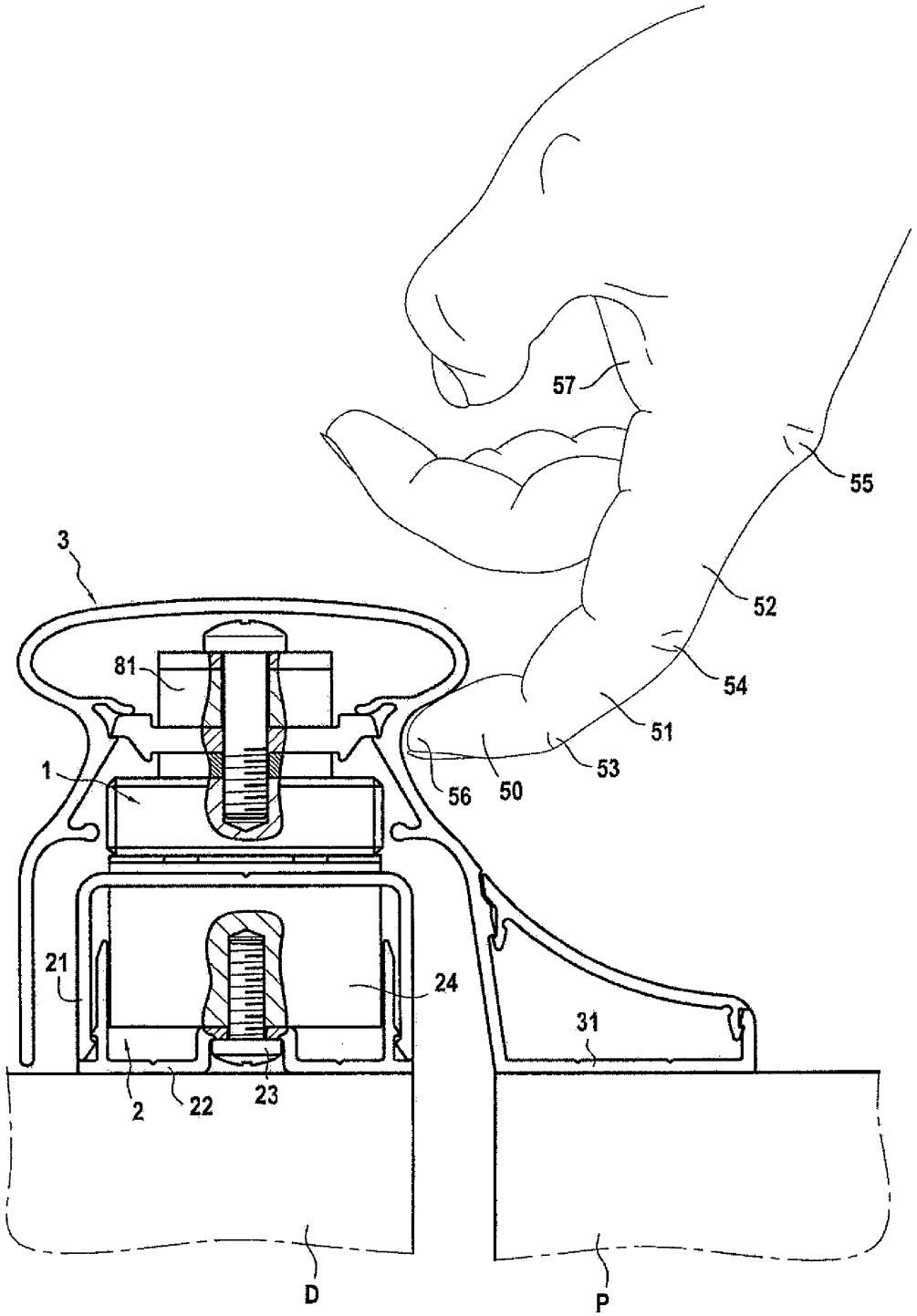
Family 78/200 - FAMPAT - ©Questel

Title

(EP2899342)

Listel section for a door leaf

Images



Publication data including kind & date

US20150211271	A1	2015-07-30	US20150211271
EP2899342	A1	2015-07-29	EP2899342

Abstract

(EP2899342)

Band profile (3) for a system for opening/closing a door by means of an electromagnetic lock consisting of two elements, an electromagnetic suction pad (2) and a counter plate (1) made from a material that can be attracted by a magnet, the band profile being designed to be fixed to the openable part of the door to support at least one of the two elements of the lock and form a handle for opening the door, the band profile (3) having a transverse cross-section that is substantially in the form of a U comprising two lateral branches (32i, 32e) and a base (40) connecting the two branches and delimiting between them an inner space in which the two elements of the lock are received when the door is in a closed state, characterised in that on the outer surface of at least one of the lateral branches at least one gripping recess (4i, 4e) is formed.

(From US2015211271 A1)

Inventors

BENHAMMOU JACOB

Latest standardized assignees - inventors removed

CDVI DIGIT

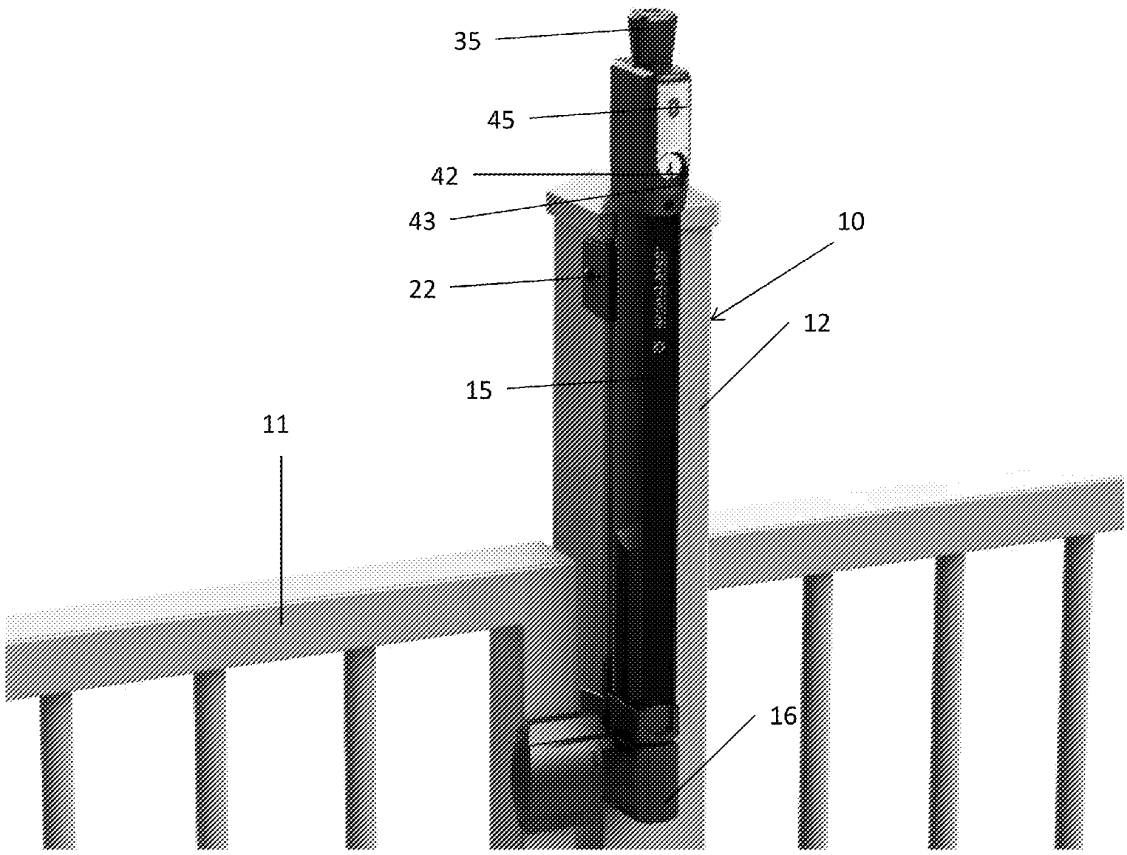
Family 79/200 - FAMPAT - ©Questel

Title

(EP2959077)

Gate latch assembly

Images



Publication data including kind & date

AU2018226418	A1	2018-09-27	AU2018226418
AU2017200805	A1	2017-02-23	AU2017200805
EP2959077	A4	2017-01-25	EP2959077
US20160002955	A1	2016-01-07	US20160002955

EP2959077	A1	2015-12-30	EP2959077
CN104995364	A	2015-10-21	CN104995364
AU2014218492	A1	2015-09-10	AU2014218492
WO2014/127399	A8	2015-08-13	WO2014127399
AU2013202672	A1	2014-09-04	AU2013202672
WO2014/127399	A1	2014-08-28	WO2014127399

Abstract

(EP2959077)

A gate latch arranged to be mounted to either a gate or gate post and adapted to co-operate with a component mounted on the other of the gate or gate post to hold the gate closed, the gate latch comprising: a latch mechanism, and a housing containing at least a portion of the latch mechanism, the housing being configured to receive at least one latch accessory to modify the gate latch.

Inventors

SMITH GLENN

NOVAK JAMES

Latest standardized assignees - inventors removed

D & D

Family 80/200 - FAMPAT - ©Questel

Title

(EP1820924)

Magnetic closing system for an access door or door

Images

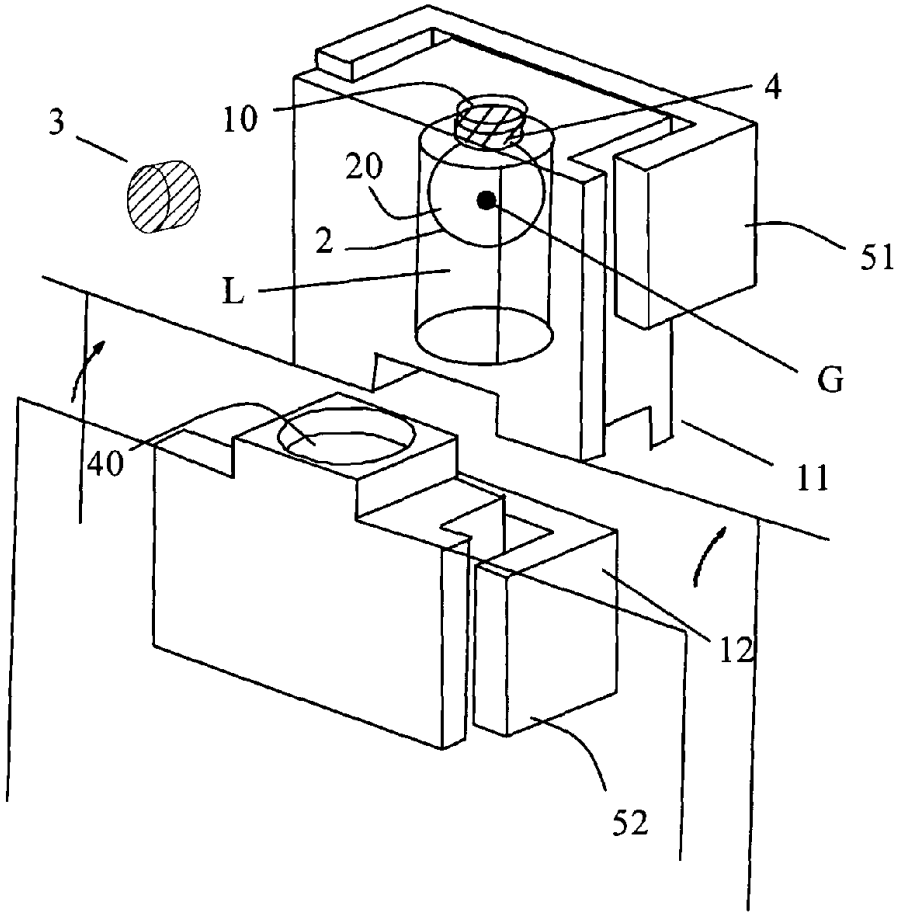


FIG. 1

Publication data including kind & date

EP1820924	A1	2007-08-22	EP1820924
FR2897379	A1	2007-08-17	FR2897379

Abstract

(EP1820924)

The system has a closing element (12) integrated with a fixed element (11). A chamber (L, 40) houses the lock (2) having a part in ferrous material (20) for being displaced under the action of a magnet (3). The chamber is separated from the exterior in the closed arrangement by a wall of determined thickness. The lock has a degree of liberty in rotation and is movable between a projection position permitting to lock the rotation of the element (12) in its closed arrangement at the level of its junction with the element (11) and a removal position permitting the rotation of the element (12).

Inventors

WATTIAUX PASCAL

Latest standardized assignees - inventors removed

ATELIER TREDO

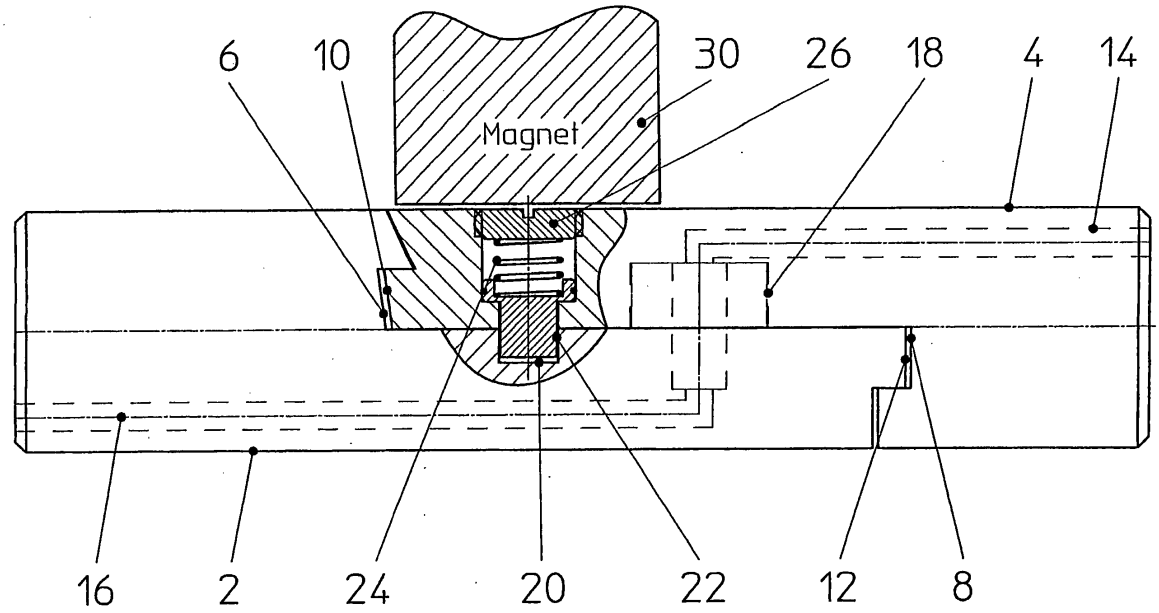
Family 81/200 - FAMPAT - ©Questel

Title

(WO200316672)

Magnetically controlled rod assembly

Images



Publication data including kind & date

US20040258469	A1	2004-12-23	US20040258469
DE10140308	A1	2003-03-13	DE10140308
WO03/016672	A1	2003-02-27	WO200316672

Abstract

(WO03/016672)

The invention relates to a connection system comprising locking elements for connecting bodies and individual parts. Said locking elements can be displaced into or from the locking position by means of a magnetic force.

Inventors

HOFMANN FRANK

Latest standardized assignees - inventors removed

TRACTO TECHNIK

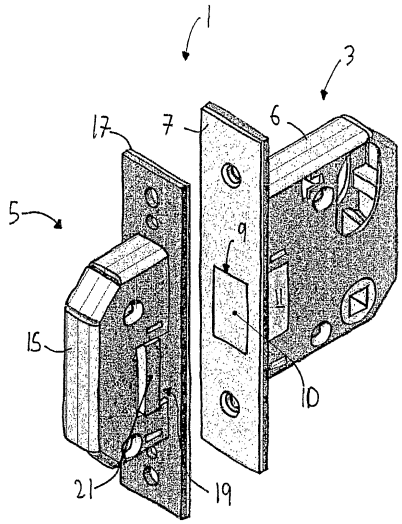
Family 82/200 - FAMPAT - ©Questel

Title

(WO2006111762)

A lock assembly

Images



Publication data including kind & date

GB2440477	B	2009-11-04	GB2440477
GB2440477	A	2008-01-30	GB2440477
GB0722115	D0	2007-12-19	GB200722115
WO2006/111762	A3	2006-12-28	WO2006111762
WO2006/111762	A2	2006-10-26	WO2006111762
GB0508109	D0	2005-06-01	GB200508109

Abstract

(WO2006/111762)

The present invention provides a lock assembly comprising a lock housing provided with a lock tongue movable between a retaining position wherein the tongue is retained within the housing to a locking position wherein the distal end of the lock tongue protrudes from the housing, the assembly further comprising a lock keep comprising means to lockingly engage the lock tongue when the lock tongue is in the locking position, magnetic means being movably mounted in the lock keep and operative to draw the lock tongue, using magnetic attraction, from the retaining position to the locking position when the lock housing and the lock keep are aligned, the magnetic means being moveable, in use, to a release position wherein the plane of contact between the magnetic means and the distal end of the lock tongue is at least flush with the lock keep.

Inventors

ASHBEE OLIVER

Latest standardized assignees - inventors removed

ENTRYPHONE

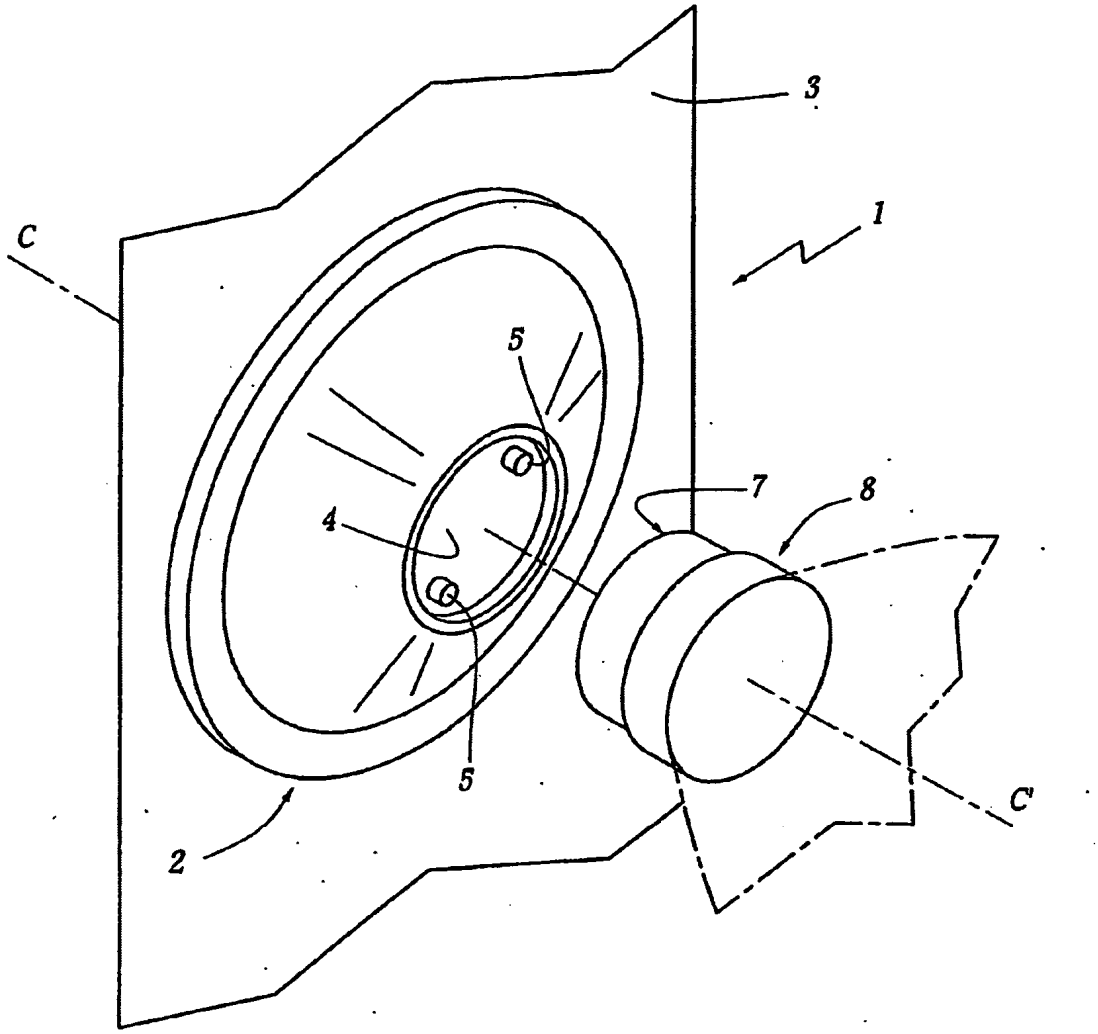
Family 83/200 - FAMPAT - ©Questel

Title

(EP1601848)

Magnetically controlled locking device

Images



Publication data including kind & date

CN100549354	C	2009-10-14	CN100549354C
JP4336657	B2	2009-07-03	JP4336657
DE60320316	T2	2009-06-25	DE60320316
ES2305579	T3	2008-11-01	ES2305579
DE60320316	D1	2008-05-21	DE60320316
AT391820	T	2008-04-15	ATE391820
EP1601848	B1	2008-04-09	EP1601848
US20070113605	A1	2007-05-24	US20070113605
JP2006514185	A	2006-04-27	JP2006514185
CN1742145	A	2006-03-01	CN1742145
EP1601848	A1	2005-12-07	EP1601848
AU2003226484	A1	2004-10-11	AU2003226484
WO2004/083574	A1	2004-09-30	WO200483574

Abstract

(EP1601848)

The device comprises a stator (14) and a rotor (9) rotated by a key (8). The latter comprises several bushings (20c) which clasp the magnets (10c) and attract or repel magnets (10b1, 10b2) having a complementary or identical polarity and which are disposed inside the bushings (20b) such that they move inside the housings (17) of the rotor (9). In order to maintain the angular position thereof and to facilitate translatory guidance, the bushings (20b) comprise a rotational locking element (22) which engages into a groove (23) of the corresponding housing (17). In order to increase the number of combinations, each bushing (20b) of the rotor (9) or key (8) houses two magnets (10b1, 10b2) having inverted polarity or a magnet

provided with at least one bipolar extremity, which are adapted in such a way that they can occupy different angular positions about a longitudinal axis (BB') of the bushing (20b, 20c). Such a device, by virtue of the precision of the relative movements of the axis and the high number of possible combinations, makes it possible to increase the inviolability of a locking device designed to prevent access to an opening.

Inventors

LOPEZ JESUS

Latest standardized assignees - inventors removed

CONCEPTS & INNOVATIONS EN SECURITE MAGNETIQUE

Family 84/200 - FAMPAT - ©Questel

Title

(US6000735)

Automatic child-resistant sliding door lock

Images

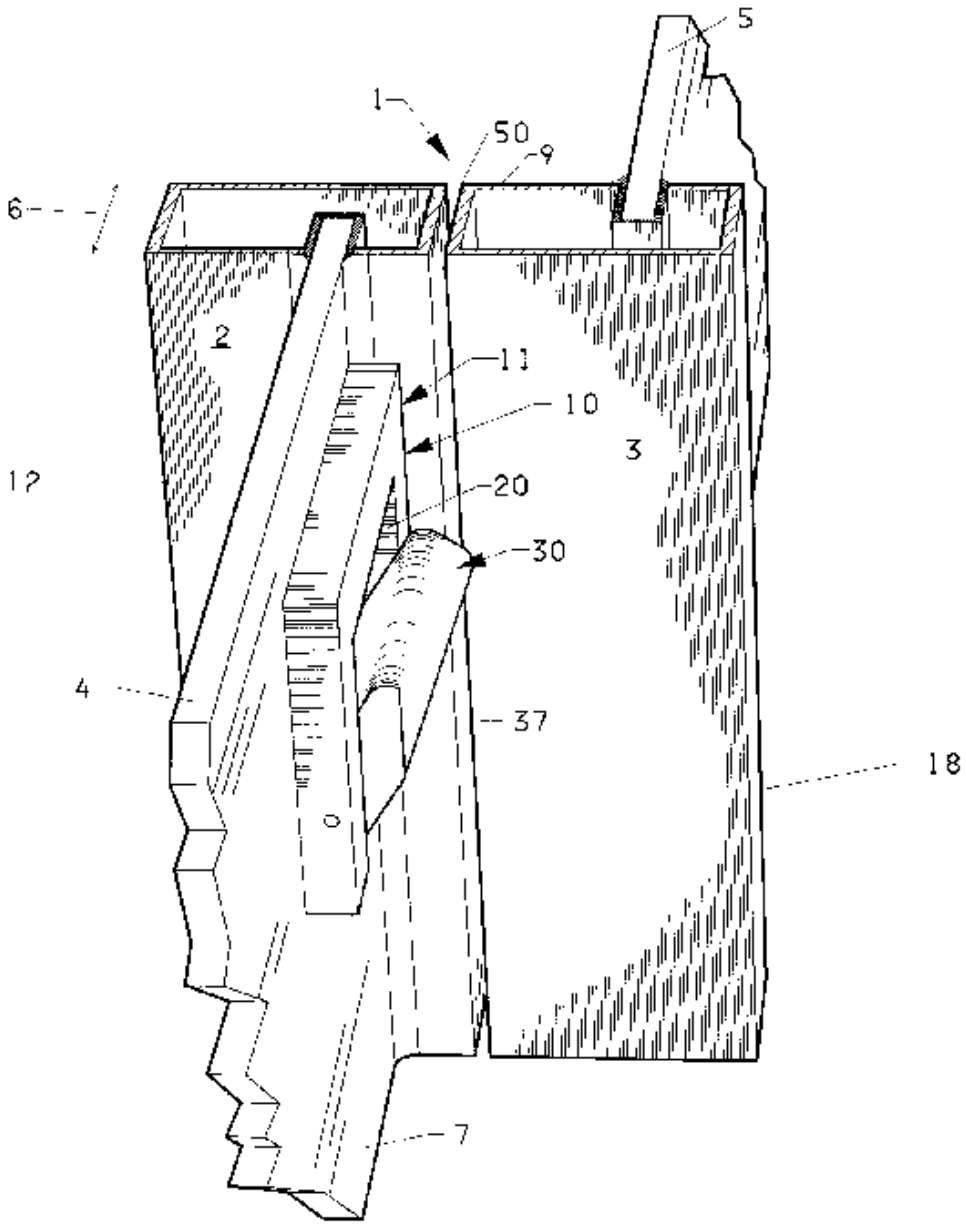


FIG. 1

Publication data including kind & date

US6000735 A 1999-12-14 US6000735

Abstract

(US6000735)

A magnetically actuated safety lock device provides automatic locking capability to doors such as sliding glass patio doors and prevents unsupervised opening of the door by young children, thereby barring their access to dangerous environments. When the sliding door is closed, it is automatically locked. The lock device is installed in a position high upon the sliding door to prevent actuation by young children and requires no permanent modification to the door on which it is installed. The lock device consists of a locking assembly and a magnetic key. The locking assembly includes a magnetized latch assembly and a mounting bracket. The latch is held in the locked position by gravity and is only rotated into the unlocked position through the application of hand pressure or the repulsive force of the magnetic key. The doors can be

unlocked from both inside and outside the door. Upon removal of either the magnetic force or hand pressure, the latch rotates back into the locked position. The latch is designed with an angled surface on one side such that as the user closes the door behind him, the door can close normally. This angled surface in the latch allows the door to slide along its track in the closing direction and, as the door edge touches the latch at the angled surface, the latch is rotated by the door into the unlocked position. Once the frame of the door slides completely past the latch, the latch rotates back into the locked position.

Inventors

JOURDENAIS STEVEN M

Latest standardized assignees - inventors removed

JORMAC PRODUCTS

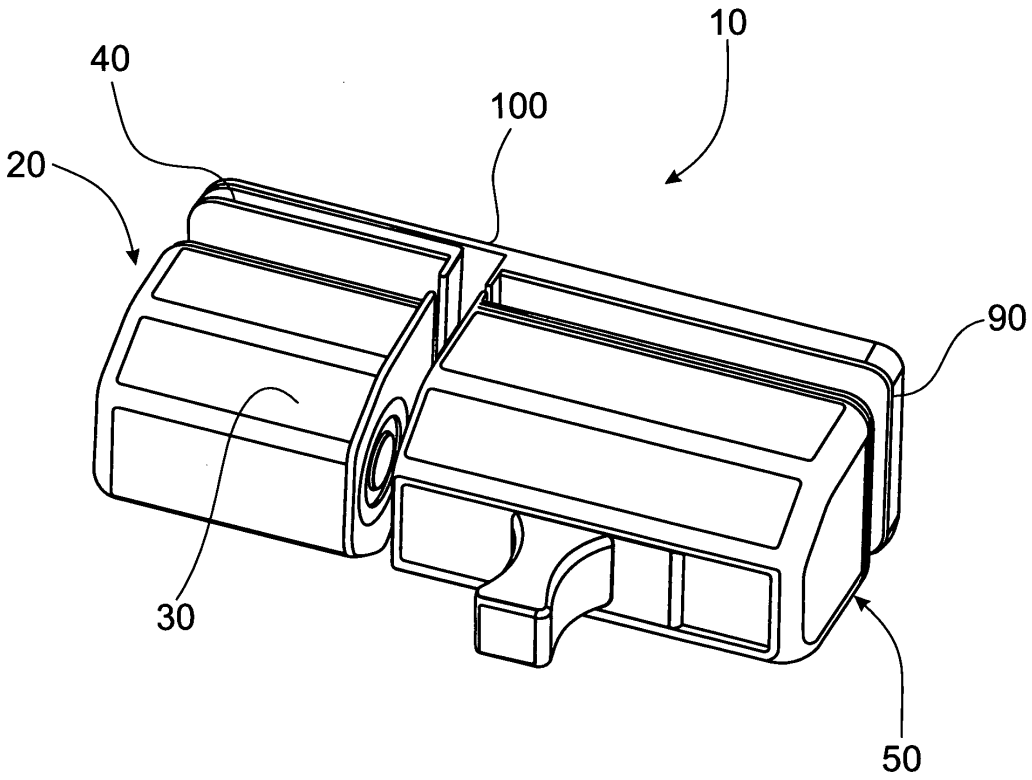
Family 85/200 - FAMPAT - ©Questel

Title

(WO200930002)

A latch

Images



Publication data including kind & date

AU2008295462	B2	2014-04-24	AU2008295462
US8505989	B2	2013-08-13	US8505989
NZ583898	A	2012-11-30	NZ-583898
US20110101706	A1	2011-05-05	US20110101706
WO2009/030002	A1	2009-03-12	WO200930002
AU2008295462	A1	2009-03-12	AU2008295462

Abstract

(WO2009/030002)

The invention resides in a latch comprising a lock including a locking pin mounted within a lock body, the locking pin movable between an extended position and a retracted position, the locking pin biased toward the retracted position; and a

catch including a release mechanism, the release mechanism for holding the locking pin in the extended position; wherein a magnetic force between the locking pin and the release mechanism holds the locking pin in the extended position which causes the locking pin to engaged the catch.

Inventors

WELLS ADRIAN

Latest standardized assignees - inventors removed

GATEGUARD

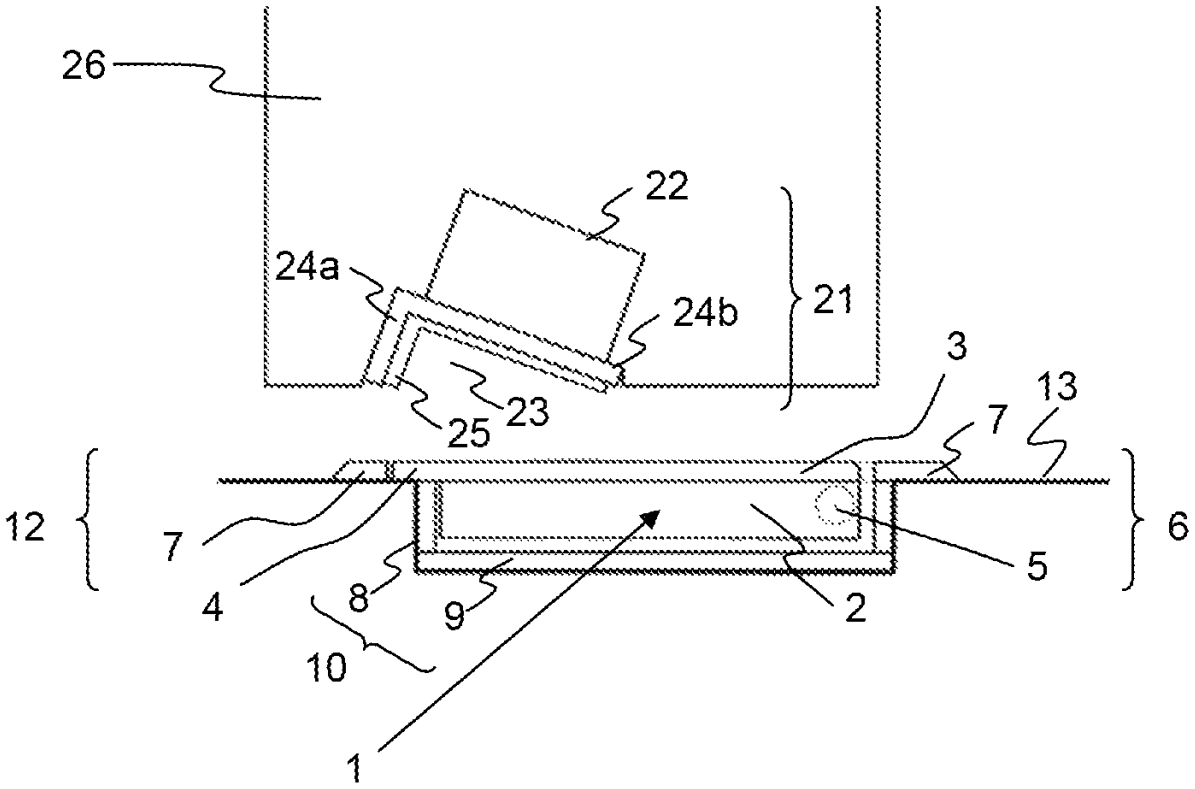
Family 86/200 - FAMPAT - ©Questel

Title

(EP2093358)

Device for stopping doors through magnetic attraction

Images



Publication data including kind & date

US8382169	B2	2013-02-26	US8382169
EP2250334	B1	2012-07-18	EP2250334
US20110049911	A1	2011-03-03	US20110049911
EP2250334	A1	2010-11-17	EP2250334
WO2009/103177	A1	2009-08-27	WO2009103177
EP2093358	A1	2009-08-26	EP2093358

Abstract

(EP2093358)

The device has a tilting element (1) and a counter-element (21) with magnetic elements (2, 22) e.g. permanent magnet or electromagnet. The tilting element and the counter-element are moved relative to each other so that the tilting element and the counter-element are brought into a secure position. The tilting element has a cover plate (3) made of non-magnetic material e.g. plastic, corrosion-resistant metal or metal alloy such as steel, chrome steel, and aligned with a floor surface (13) of a fixed structure, where thickness of the cover plate projects over the surface of the structure.

Inventors

BOSSHARD VIKTOR

Latest standardized assignees - inventors removed

JOS BERCHTOLD

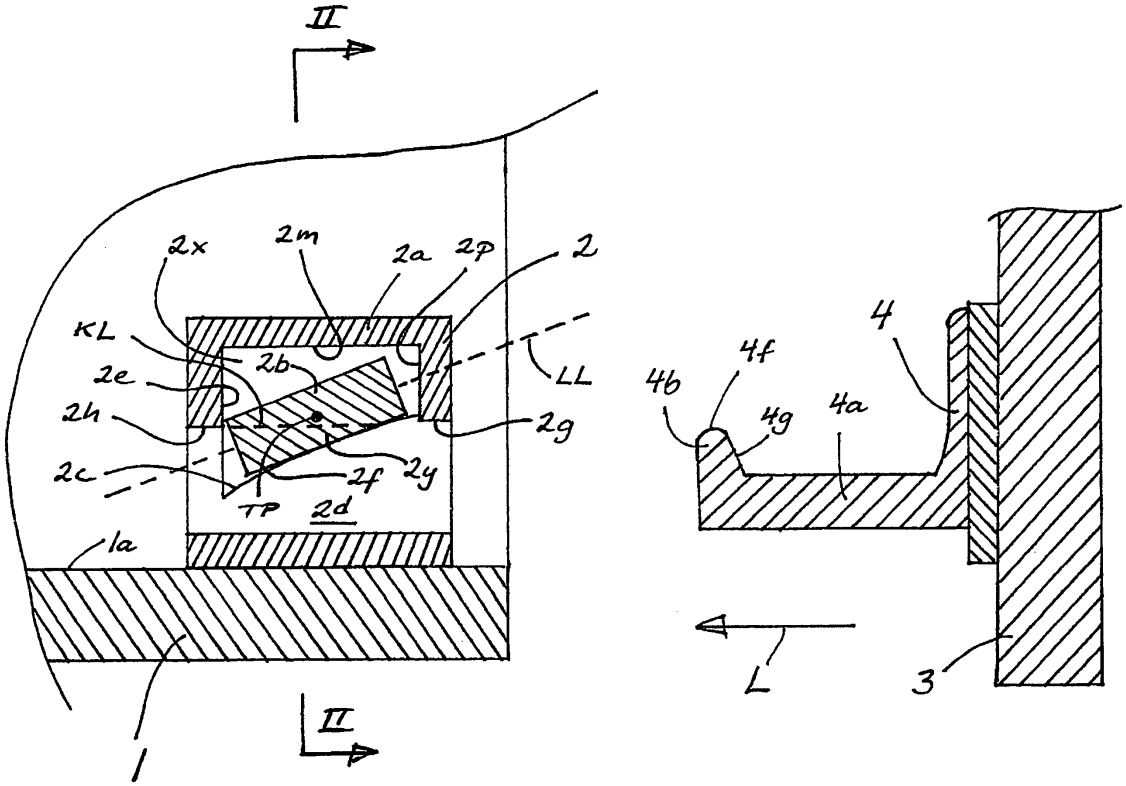
Family 87/200 - FAMPAT - ©Questel

Title

(EP2024590)

Locking device

Images



Publication data including kind & date

CA2654038	C	2014-12-02	CA2654038
US8602465	B2	2013-12-10	US8602465
AT555268	T	2012-05-15	ATE555268
EP2024590	B1	2012-04-25	EP2024590
AU2007257628	B2	2012-01-19	AU2007257628
EP2024590	A4	2010-07-28	EP2024590
US20100045054	A1	2010-02-25	US20100045054
EP2024590	A1	2009-02-18	EP2024590
WO2007/142595	A1	2007-12-13	WO2007142595
AU2007257628	A1	2007-12-13	AU2007257628
CA2654038	A1	2007-12-13	CA2654038
SE0601269	L	2007-05-02	SE200601269
SE529117	C2	2007-05-02	SE-529117

Abstract

(EP2024590)

The invention relates to a locking device comprising a first and a second locking part (2, 4), wherein the second locking part (4), when the locking parts (2, 4) are brought together, moves in relation to the first locking part (2) in a locking direction (L).

The first locking part (2) comprises a locking member (2b), comprising a magnet, and a locking member holder (2a), which supports the locking member (2b) without the locking member (2b) being fixed to the locking member holder (2a). The second locking part (4) comprises an actuating part (4b), the locking member (2b) comprises a contact part (2y). Once the actuating part (4b), when moving in the locking direction (L), has passed the contact part (2y), the contact part (2y) moves into the path of the actuating part (4b), so that the locking member (2b), through bearing contact against the locking member holder (2a) and against the actuating part (4b), can prevent movement of the second locking part (4) in a direction opposite to the locking direction (L). When a force generated by a magnetic field is acted upon by the magnet, the contact part (2y) moves out of the path of the actuating part (4b).

Inventors

HOLMGREN ANDERS

Latest standardized assignees - inventors removed

OPTOSOLUTIONS

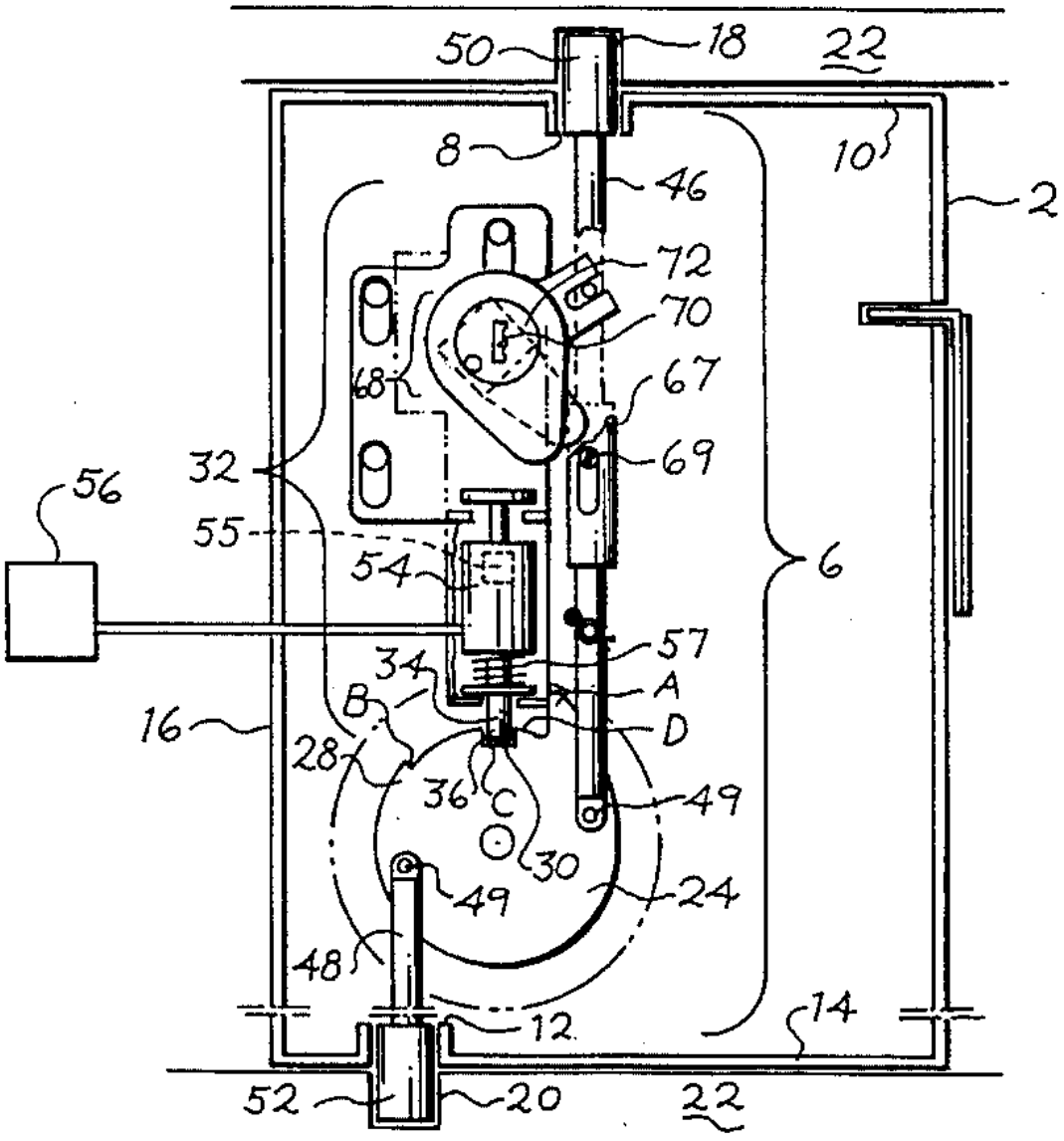
Family 88/200 - FAMPAT - ©Questel

Title

(US5487289)

Lock assembly

Images



Publication data including kind & date

FR2727459	B1	2000-03-24	FR2727459
AU690468	B2	1998-04-23	AU-690468
GB2279401	B	1997-06-11	GB2279401
CA2124872	C	1997-04-29	CA2124872
AU672893	B2	1996-10-17	AU-672893
AU6215396	A	1996-10-17	AU9662153
FR2707690	B1	1996-09-27	FR2707690
FR2727459	A1	1996-05-31	FR2727459
US5487289	A	1996-01-30	US5487289
MX9404738	A	1995-01-31	MX9404738
FR2707690	A1	1995-01-20	FR2707690
JP07018931	A	1995-01-20	JP07018931
DE4422073	A1	1995-01-05	DE4422073
AU6349494	A	1995-01-05	AU9463494
GB2279401	A	1995-01-04	GB2279401
CA2124872	A1	1994-12-24	CA2124872
GB9412675	D0	1994-08-10	GB9412675

Abstract

(US5487289)

A lock assembly for locking a door to a frame element, comprising a rotatable locking element and a locking rod connected to the rotatable locking element. Rotation of the locking element in one sense results in the locking rod moving toward a first side of the frame element and rotation in the other sense results in the locking rod moving away from the first side of the frame element. The lock assembly also comprises a pin having a first end and a second end, wherein the first end selectively engages the rotatable locking element at an engagement position so that the locking element is prevented from rotating. The lock assembly comprises a pin actuating mechanism for moving the pin from the engaged position to a disengaged position wherein the pin does not engage the locking element. The lock assembly further comprises a rotatable cam having a striking surface to strike the second end of the pin when the pin is at the disengaged position causing the first end of the pin to contact and ride along the surface of the rotatable locking element as it rotates.

Inventors

OTTO III JOHN G
VANDERWALL RONALD W
HAMILTON EUGENE R
OSBORN KEVIN O

Latest standardized assignees - inventors removed

HERMAN MILLER

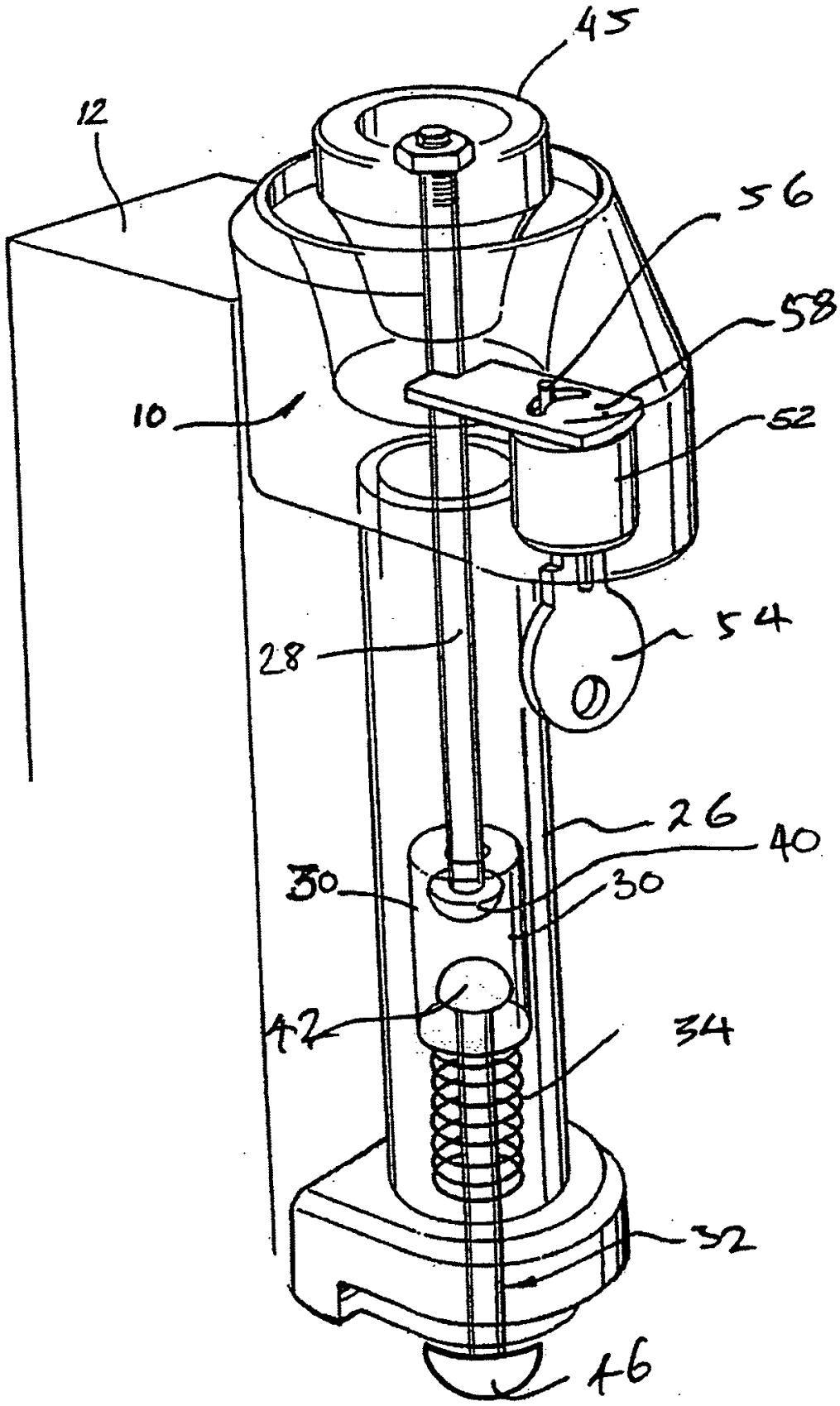
Family 89/200 - FAMPAT - ©Questel

Title

(US20050210938)

Developments for magnetic latches

Images



Publication data including kind & date

AU2005201178	B2	2010-02-18	AU2005201178
ES2285892	B1	2008-10-01	ES2285892
ES2285892	A1	2007-11-16	ES2285892
FR2868111	B1	2007-09-21	FR2868111
DE102005012445	A1	2005-11-17	DE102005012445

AU2005201178	A1	2005-10-13	AU2005201178
FR2868111	A1	2005-09-30	FR2868111
US20050210938	A1	2005-09-29	US20050210938
CA2501439	A1	2005-09-24	CA2501439

Abstract

(US20050210938)

A self-latching device is disclosed which is arranged to latch, in a predetermined position, two members which are otherwise movable relative to each other such as a hinged gate. The device comprises a latch arm having a latch element and a manual actuator mounted on one of the members and which is movable between a latched and a retracted position, by upward manual displacement of the actuator, and a retaining element incorporating a permanent magnet mounted on the other member. The latch arm is spring biased into the retracted position but, when in the predetermined position, is caused to move by the magnetic field generated by the magnetic into the latched position wherein any substantial relative movement of the two members is prevented by the latch arm engaging the retaining element. A lost motion connection is provided between the actuator and the latch element either by being in the form of a flexible line or through a multiple element linkage such that upon latching, the actuator falls to a rest position without applying any substantial load on the latch element.

Inventors

DOYLE DAVID
DUNNE NEIL
CALABRIA DAVID
CLARK ANTHONY J

Latest standardized assignees - inventors removed

D & D

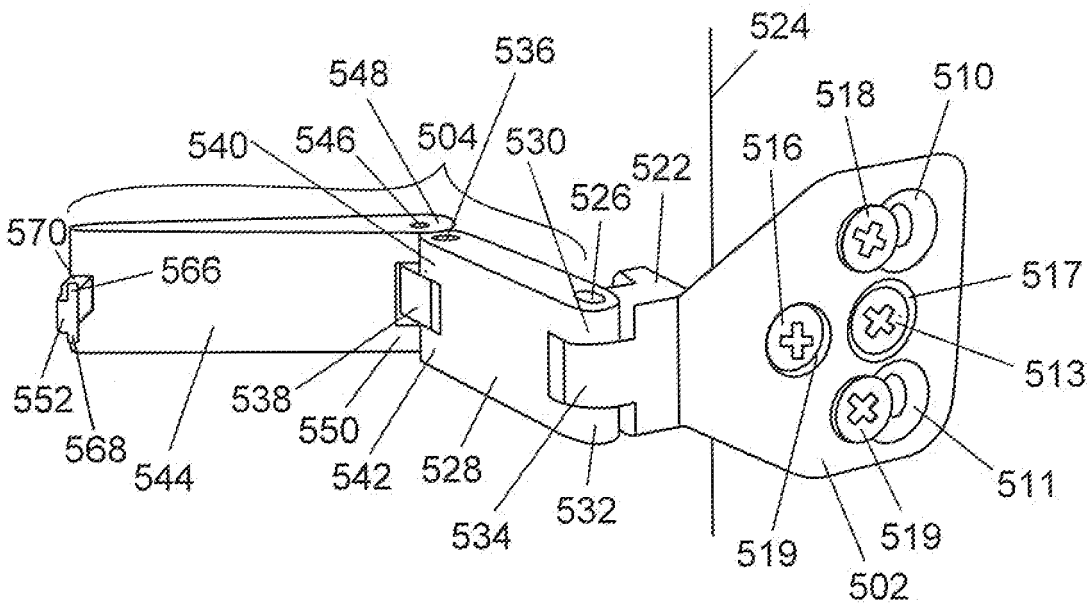
Family 90/200 - FAMPAT - ©Questel

Title

(US20110285148)

Easily installed and non-defacing security latch

Images



Publication data including kind & date

US20110285148	A1	2011-11-24	US20110285148

Abstract

(US20110285148)

Embodiments of the present invention include door-securing latches that allow an occupant of a room or other space accessed through a door to secure the door, from inside the room or other space, in order to prevent entry or access by others. Embodiments of the present invention provide a mechanically strong and secure latch that cannot be easily broken or compromised by application of force to the door or by insertion of a tool or device between the door and an adjacent door frame to disable the latch, but that can be disabled by a knowledgeable individual, such as an apartment manger seeking to rescue a disabled apartment occupant in an emergency situation.

Inventors

TANG GORDON C

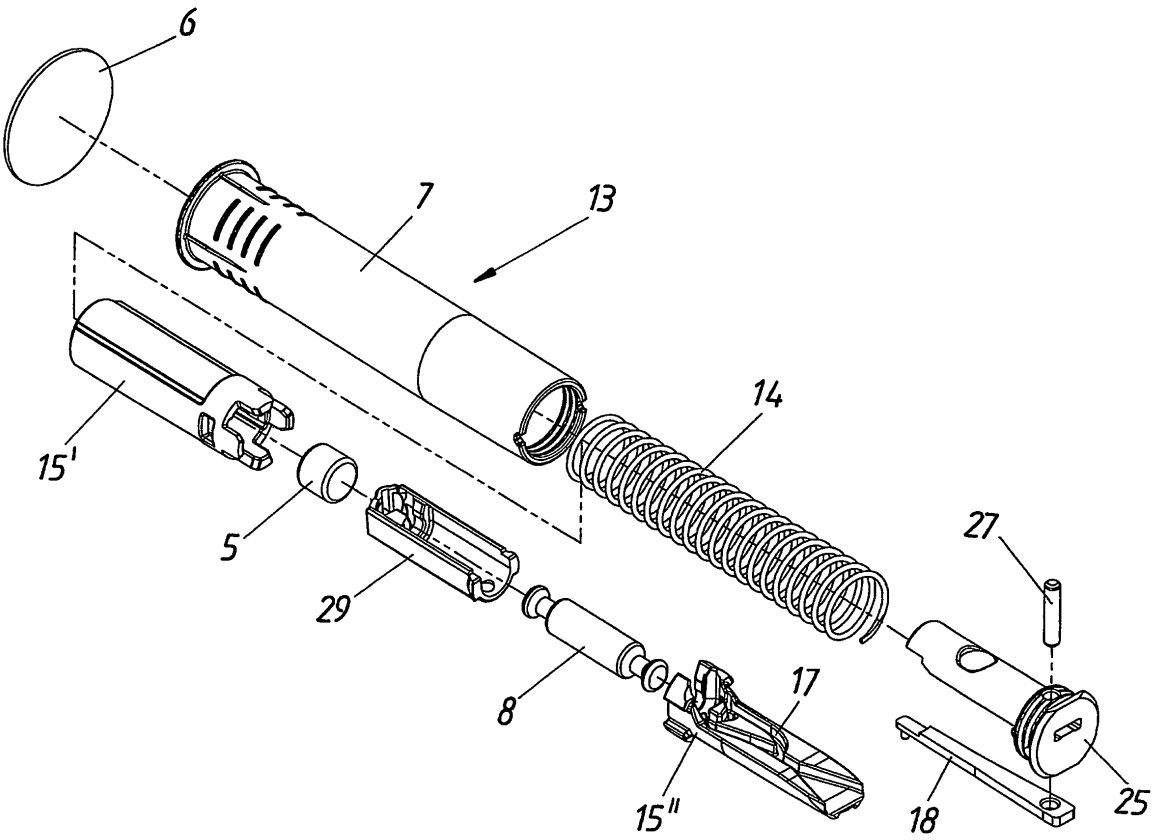
Family 91/200 - FAMPAT - ©Questel

Title

(EP1991750)

Magnetic locking device

Images



Publication data including kind & date

CN101384788	B	2013-05-01	CN101384788B
US8376420	B2	2013-02-19	US8376420
JP5172713	B2	2013-01-11	JP5172713
SI1991750	T1	2011-05-31	SI1991750T
ES2358689	T3	2011-05-12	ES2358689
DE502007006102	D1	2011-02-10	DE502007006102
AT493555	T	2011-01-15	ATE493555
EP1991750	B1	2010-12-29	EP1991750
JP2009529106	A	2009-08-13	JP2009529106
CN101384788	A	2009-03-11	CN101384788

EP1991750	A2	2008-11-19	EP1991750
US20080203738	A1	2008-08-28	US20080203738
AT503949	A4	2008-02-15	AT-503949
AT503949	B1	2008-02-15	AT-503949
WO2007/101287	A3	2007-12-21	WO2007101287
WO2007/101287	A2	2007-09-13	WO2007101287

Abstract

(EP1991750)

Disclosed is a magnetic locking device (1) for a furniture part (2) that is movably mounted on a piece of furniture (3). The inventive locking device (1) comprises at least two pieces (5, 6), a first one (5) of which is or can be disposed on the furniture carcass (4) while the other one (6) is or can be arranged on the movable furniture part (2). Said at least two pieces (5, 6) apply a magnetic force of attraction to each other at least in the closed position (E) of the movable furniture part (2). The first piece (5) of the locking device (1), which is disposed on the furniture carcass (4), is mounted particularly in a separate housing so as to be movable in the direction of the movable furniture part (2). Furthermore, the first piece (5) of the magnetic locking device, which is assigned to the furniture carcass (4), is impinged upon by an energy store (8) that acts in the closing direction (SR) of the movable furniture part (2).

Inventors

PETERLUNGER ALEXANDER

Latest standardized assignees - inventors removed

BLUM

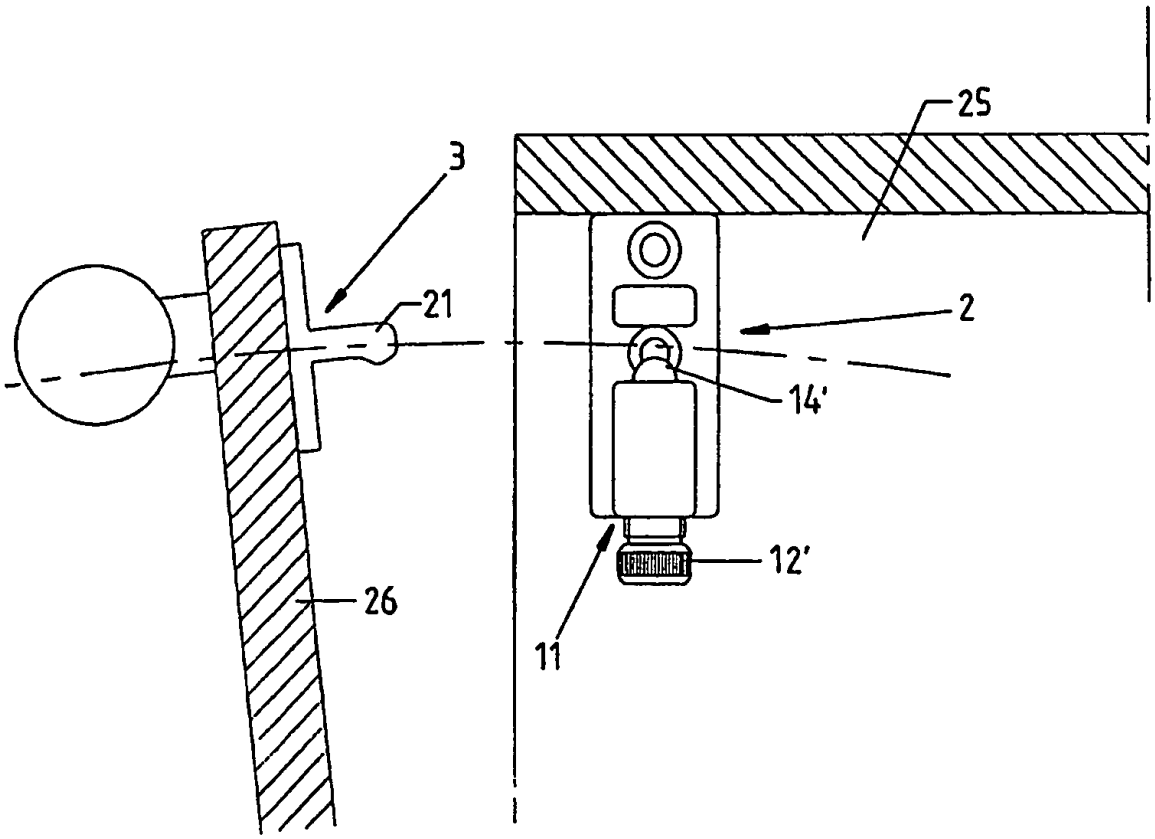
Family 92/200 - FAMPAT - ©Questel

Title

(WO200369101)

Catch or locking element

Images



Publication data including kind & date

US7350838	B2	2008-04-01	US7350838
US20050200138	A1	2005-09-15	US20050200138
DE10390513	D2	2005-01-05	DE10390513
WO03/069101	A3	2003-10-09	WO200369101
AU2003215507	A1	2003-09-04	AU2003215507
AU2003215507	A8	2003-09-04	AU2003215507
WO03/069101	A2	2003-08-21	WO200369101
DE20202337	U1	2002-08-14	DE20202337

Abstract

(WO03/069101)

The invention relates to a catch, in particular a catch for furniture. Said catch comprises at least one first catch element (2), which has at least one spring-loaded locking part (14') and a second catch element (3) that forms a counter-locking part (21, 22, 23). According to the invention, the elastic force of the spring-loaded locking part (14') can be adjusted manually without tools.

Inventors

SCHLATTL ALICE

SCHLATTL RALPH

Latest standardized assignees - inventors removed

ADVANCED TECHNOLOGY INDUSTRIES

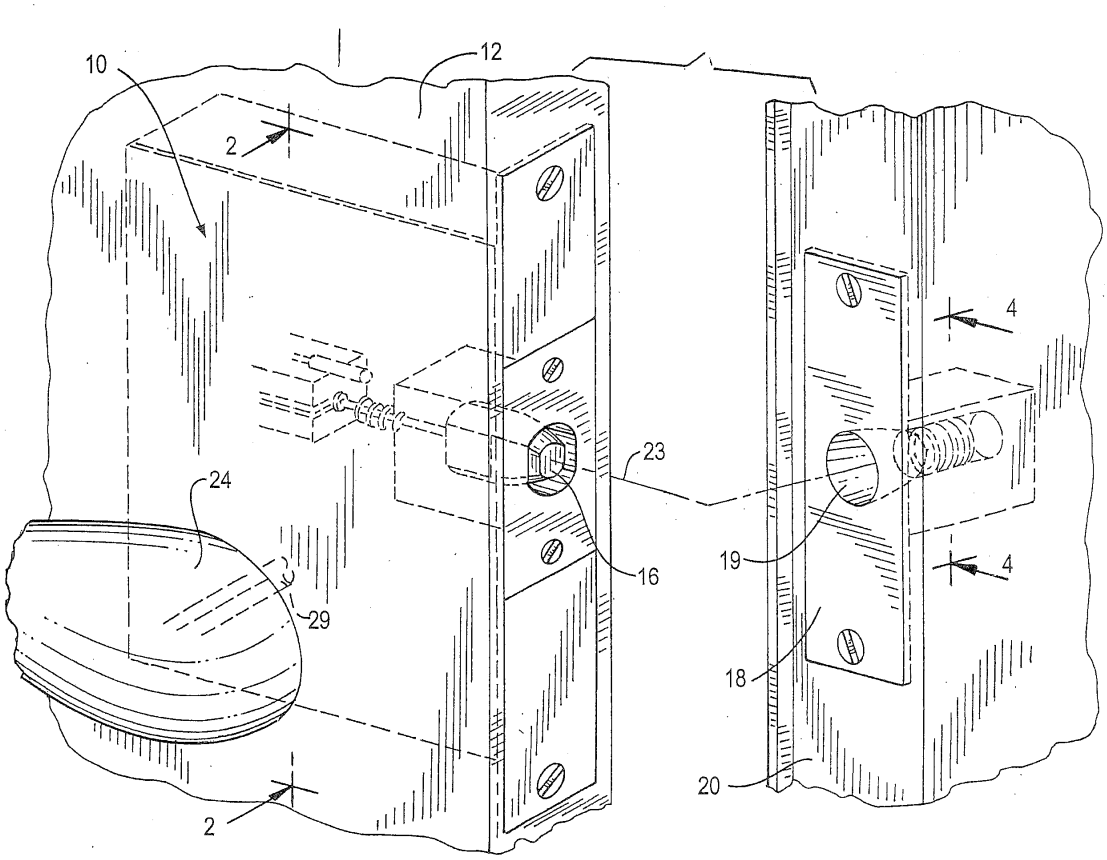
Family 93/200 - FAMPAT - ©Questel

Title

(US20140319850)

Magnetic door lock assembly

Images



Publication data including kind & date

US20140319850 A1 2014-10-30 US20140319850

Abstract

(US20140319850)

A latch lock system for a door that is mountable in a doorframe, the latch lock system including a main housing including a spindle and lever, a bolt having a nose part that is attractable to a magnet, the bolt being slidable in the main housing between extended and retracted positions, a spring biasing the bolt to its retracted position, a secondary housing including a strike plate in the doorframe, a magnet mounted in the secondary housing, the magnet having a magnetic force greater than the spring force which will pull the bolt to its extended position when the door is in its closed position and the bolt is aligned with the magnet.

Inventors

BERGER MARK J
REGEN JEFFREY
ZOLTAN PETER

Latest standardized assignees - inventors removed

SECURITECH

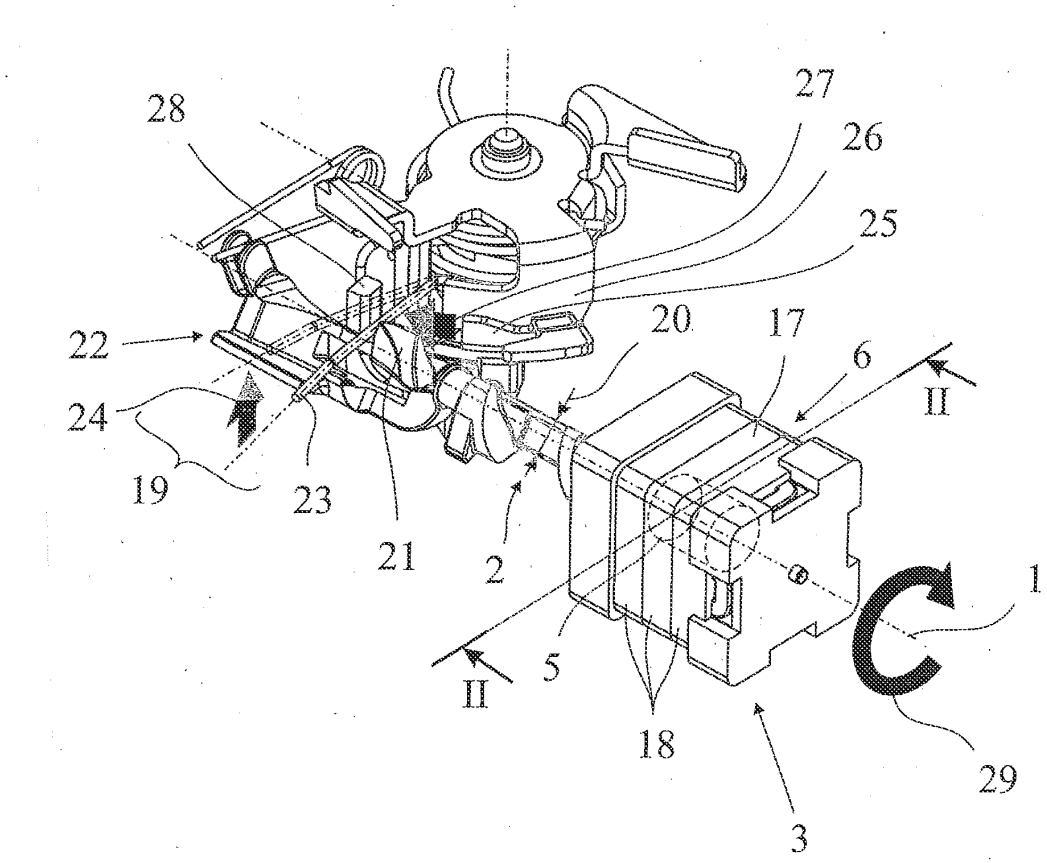
Family 94/200 - FAMPAT - ©Questel

Title

(EP2820210)

Lock for a motor vehicle

Images



Publication data including kind & date

JP6151283	B2	2017-06-21	JP6151283
CN104541009	B	2017-03-08	CN104541009B
JP2015514887	A	2015-05-21	JP2015514887
CN104541009	A	2015-04-22	CN104541009

US20150027177	A1	2015-01-29	US20150027177
EP2820210	A1	2015-01-07	EP2820210
WO2013/127531	A1	2013-09-06	WO2013127531
DE102012003698	A1	2013-08-29	DE102012003698

Abstract

(EP2820210)

The invention relates to a lock for a motor vehicle, comprising an actuating element (2) that is adjustable around an actuating element axis (1) and a drive mechanism (3) for adjusting the actuating element (2). The drive mechanism (3) is provided with a rotor (4) formed by the actuating element (2), having a permanent magnet arrangement (5) and a stator (6) having a coil arrangement (7) of at least two coils (8-1 1), wherein the drive mechanism (3) is configured in the manner of a direct drive. According to the invention, the stator (6) has at least two poles (12-15) across which a magnetic field generated by the coil arrangement (7) is guided, that at least one pole (12-15) of the stator (6) extends to the rotor (4) except for a gap (16), the cross-section of which gap is essentially ring-segment shaped, and that the poles (12-15) of the stator (6) are magnetically coupled by way of a guide arrangement (17) rotating about the rotor (4) with respect to the actuating element axis (1).

Inventors

KESSLER DIMITRII
DREIMANN TOMAS
BOGORATS ARKADI
REINERT JÖRG
EL-HAMOUMI ABDELALI

Latest standardized assignees - inventors removed

BROSE FAHRZEUGTEILE

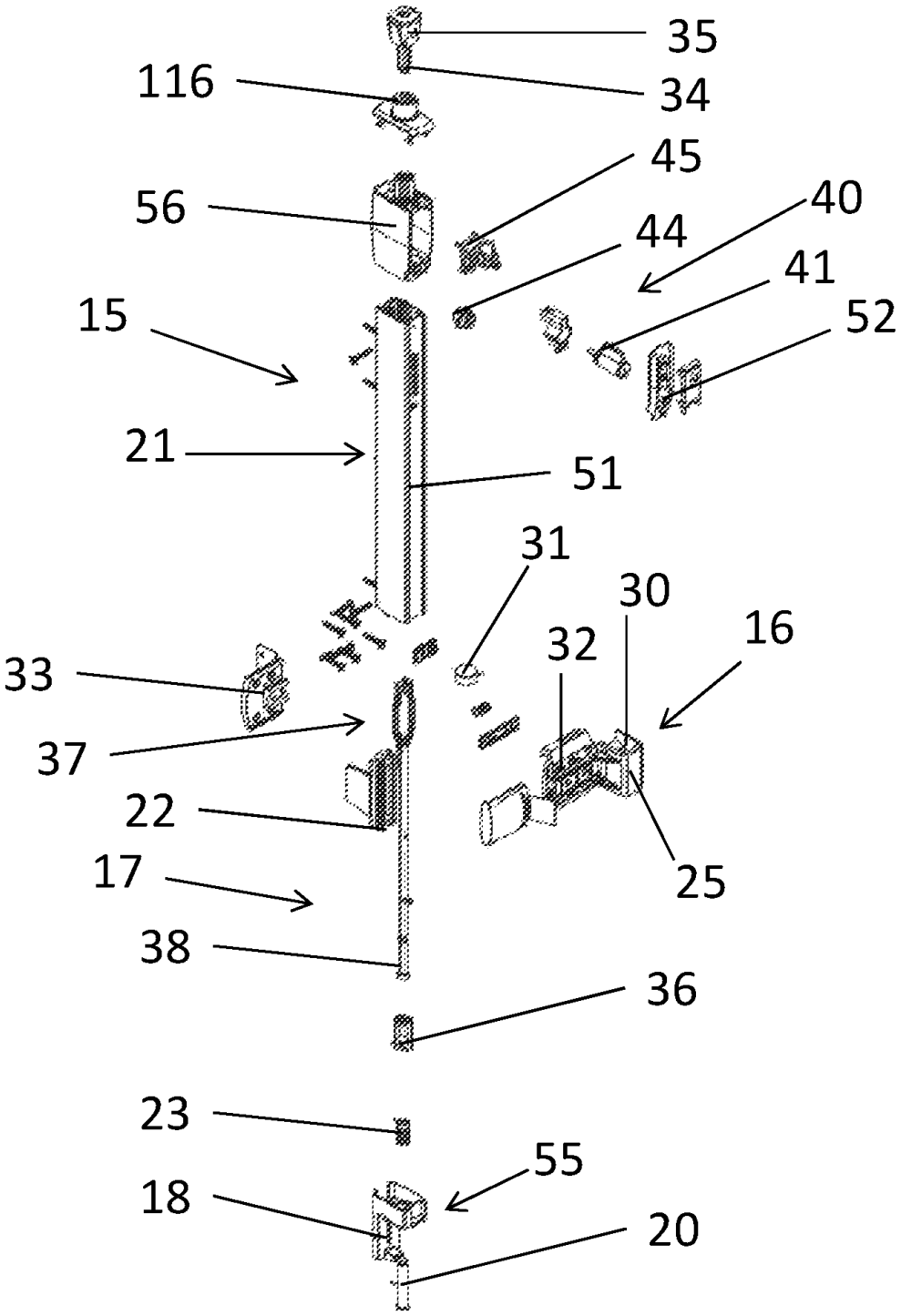
Family 95/200 - FAMPAT - ©Questel

Title

(EP2959078)

Latching assembly

Images



Publication data including kind & date

CN105008638	B	2019-01-08	CN105008638B
US10072442	B2	2018-09-11	US10072442
AU2014218491	B2	2018-08-16	AU2014218491
EP2959078	A4	2017-03-15	EP2959078
AU2013202689	B2	2016-09-15	AU2013202689
US20160010361	A1	2016-01-14	US20160010361
EP2959078	A1	2015-12-30	EP2959078
CN105008638	A	2015-10-28	CN105008638

AU2014218491	A1	2015-09-10	AU2014218491
AU2013202689	A1	2014-09-04	AU2013202689
WO2014/127398	A1	2014-08-28	WO2014127398

Abstract

(EP2959078)

A latching assembly for a gate comprising: a latch operative to adopt a latched condition, the latch comprising one or more members coupled together, each latch member extending along a longitudinal axis; and a lock comprising a lock portion adjustable from a retracted to a projected configuration to bring the lock portion into engagement with the or at least one of the latch members in the projected configuration so as to lock the latch in its latched condition.

Inventors

SMITH GLENN

NOVAK JAMES

Latest standardized assignees - inventors removed

D & D

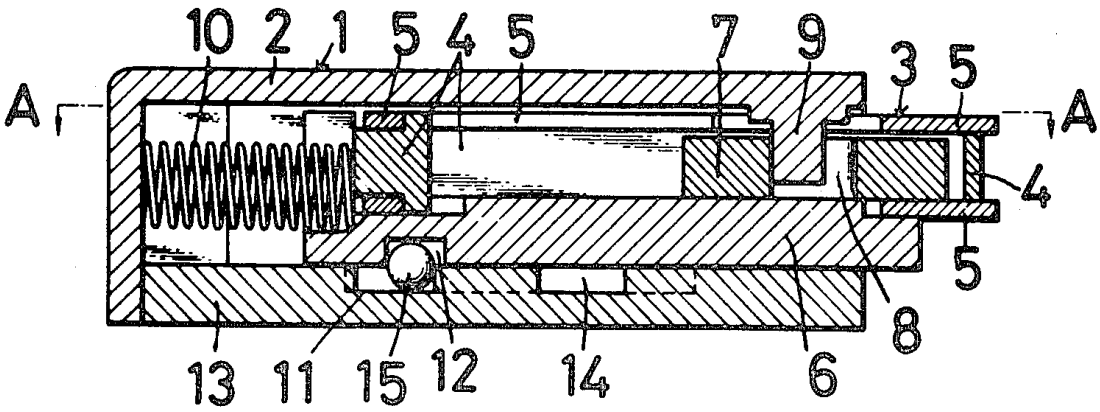
Family 96/200 - FAMPAT - ©Questel

Title

(US4270781)

Opening and closing apparatus for doors and the like

Images



Publication data including kind & date

JPH0217106	Y2	1990-05-11	JP02017106Y
DE7915402	U1	1985-01-24	DE7915402
DE2921613	C2	1983-09-29	DE2921613
US4270781	A	1981-06-02	US4270781
DE2921613	A1	1980-09-04	DE2921613
JPS55124576	U	1980-09-03	JP55124576U

Abstract

(US4270781)

An opening and closing apparatus for doors and the like includes magnets and metal plates which are located superposed inside a casing. Either the magnets or the metal plates are adapted to be slidable inwardly and outwardly of the casing and the other of the magnets or metal plates is secured to the inside of the casing. The metal plates are shaped so that the slidable element overlaps a great amount with the secured element when the slidable element is located inside the casing, and has a reduced or substantially no overlap with the secured element when the slidable element is located on the outside of the casing. The slidable element is mounted on an engaging member which is urged outwardly from the casing by a spring which is located adjacent the opening of a box-like body, there being a locking assembly provided which includes a lock which is capable of locking the engaging member when it is manually pushed and releasing it when it is manually

pushed a second time. A magnetic member is mounted on the door or the like at a position opposite to the locking assembly.

Inventors

NISHIMURA TAMOTSU

Latest standardized assignees - inventors removed

FUTABA KINZOKU KOGYO

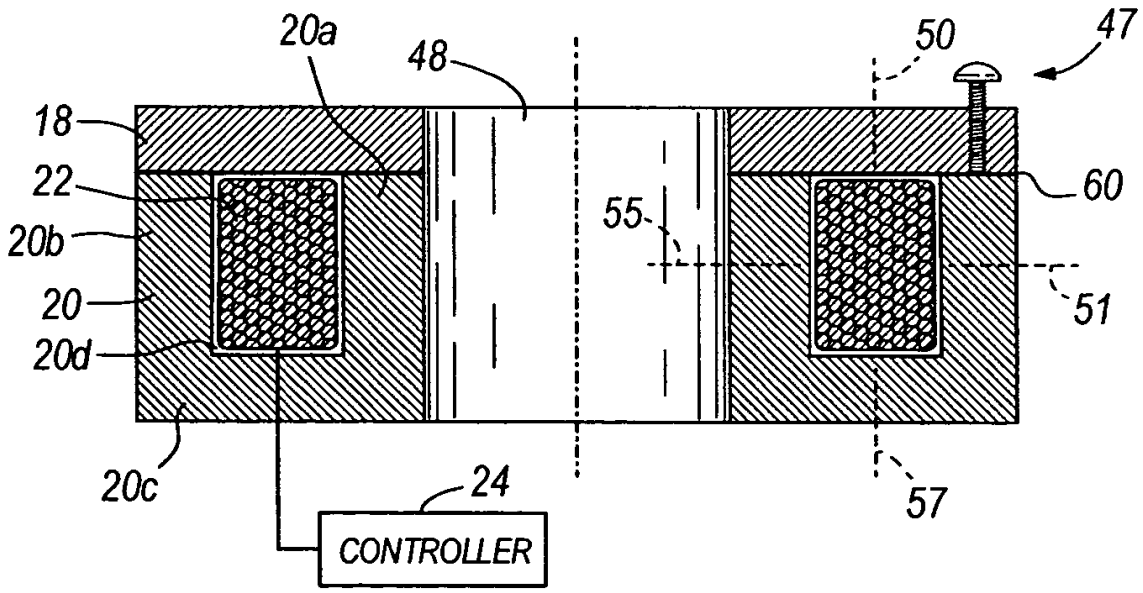
Family 97/200 - FAMPAT - ©Questel

Title

(EP1863993)

Residual magnetic devices and methods

Images



Publication data including kind & date

EP1863995	B1	2015-03-04	EP1863995
EP1863992	B1	2014-10-01	EP1863992
EP1863991	A4	2014-01-08	EP1863991
EP1863992	A4	2013-01-09	EP1863992
CN101584014	B	2013-01-09	CN101584014B
CN101163620	B	2011-09-14	CN101163620B
CN101283155	B	2011-03-16	CN101283155B
CN101584014	A	2009-11-18	CN101584014
CN101536295	A	2009-09-16	CN101536295
EP1863996	A4	2009-06-03	EP1863996
EP1863995	A4	2009-06-03	EP1863995
WO2006/105449	A3	2009-04-23	WO2006105449
WO2006/105513	A3	2009-04-23	WO2006105513
CN101389514	A	2009-03-18	CN101389514
WO2006/105425	A3	2008-10-30	WO2006105425
CN101283155	A	2008-10-08	CN101283155
CN101163620	A	2008-04-16	CN101163620
EP1863991	A2	2007-12-12	EP1863991
EP1863993	A2	2007-12-12	EP1863993

EP1863994	A2	2007-12-12	EP1863994
EP1863996	A2	2007-12-12	EP1863996
EP1863992	A2	2007-12-12	EP1863992
EP1863995	A2	2007-12-12	EP1863995
WO2006/105428	A3	2007-11-29	WO2006105428
WO2007/030144	A3	2007-11-29	WO200730144
WO2006/105423	A3	2007-11-15	WO2006105423
WO2006/105449	A8	2007-08-30	WO2006105449
WO2007/030144	A2	2007-03-15	WO200730144
WO2006/105423	A2	2006-10-05	WO2006105423
WO2006/105425	A2	2006-10-05	WO2006105425
WO2006/105428	A2	2006-10-05	WO2006105428
WO2006/105449	A2	2006-10-05	WO2006105449
WO2006/105513	A2	2006-10-05	WO2006105513
US20060219496	A1	2006-10-05	US20060219496
US20060219497	A1	2006-10-05	US20060219497
US20060219513	A1	2006-10-05	US20060219513
US20060220393	A1	2006-10-05	US20060220393

Abstract

(EP1863993)

Residual magnetic locks, brakes, rotation inhibitors (fig. 8), clutches, actuators, and latches. The residual magnetic devices can include core housing and an armature. The residual magnetic devices can include a coil that receives a magnetization current to create an irreversible residual magnetic force between the core housing and the armature.

Inventors

DIMIG STEVEN J

ORGANEK GREGORY J

FEUCHT MICHAEL G

Latest standardized assignees - inventors removed

STRATTEC SECURITY

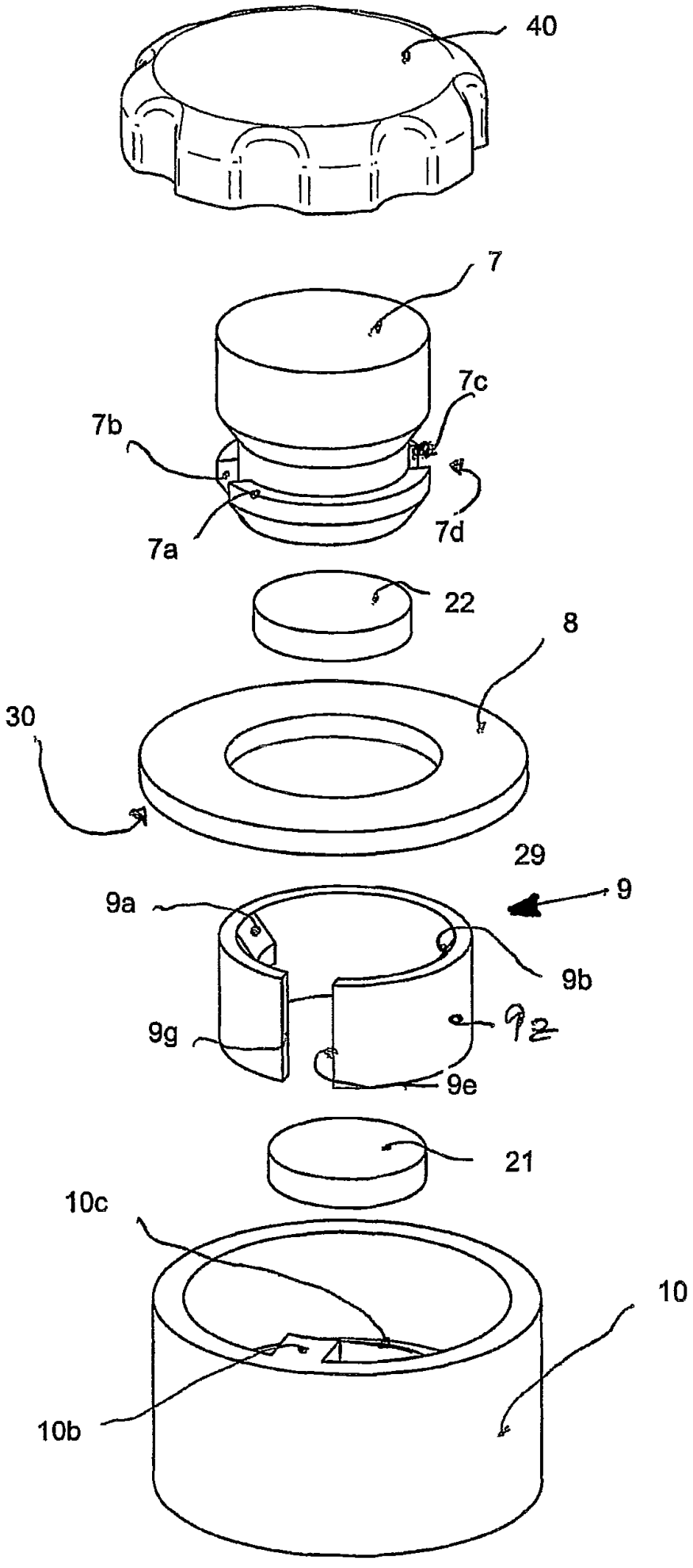
Family 98/200 - FAMPAT - ©Questel

Title

(EP2252176)

Locking magnet closure

Images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9b
9g
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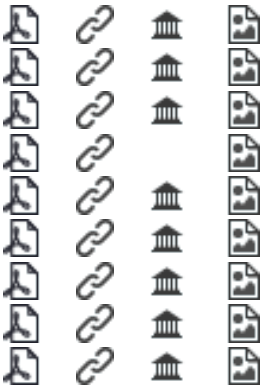
21
10c
10
10b

Publication data including kind & date

EP2252176	B1	2015-04-15	EP2252176
US8353544	B2	2013-01-15	US8353544
CN101925313	B	2012-10-17	CN101925313B
VN24784	A	2010-12-27	VN--24784
CN101925313	A	2010-12-22	CN101925313
US20100308605	A1	2010-12-09	US20100308605
EP2252176	A2	2010-11-24	EP2252176
WO2009/092368	A3	2009-12-17	WO200992368
WO2009/092368	A2	2009-07-30	WO200992368



Abstract

(EP2252176)

The invention relates to a closure for closing preferably handbags, furniture, doors, and comparable objects, made of a first closure module (1) and a second closure module (2) having the following characteristics: a magnet-anchor design (21, 22) pulling closure module (1) and closure module (2) together in the closing direction, closure module (1) and closure module (2) being rotatable or displaceable laterally to the closing direction X for opening in the opening direction Y, a locking device having at least one spring locking element (9) made of an engaging protrusion (9a) and a spring (9z), wherein the locking piece (7a) pushes the spring locking element aside in a direction Z when closing and then engages with the engaging protrusion, and wherein the locking piece and the spring locking element are pushed against each other from an engagement position into a non-engagement position when displacing closure module (1) and closure module (2) in the opening direction Y, wherein the spring of the spring locking element is designed and disposed so as to have a double function, i.e. the spring resiliently deflects in the direction Z during the closing action while being rigid when the closure is loaded against the closing direction X.

Inventors

FIEDLER JOACHIM

Latest standardized assignees - inventors removed

FIDLOCK

Family 99/200 - FAMPAT - ©Questel

Title

(EP2543797)

Door opening device with permanent magnet

Images

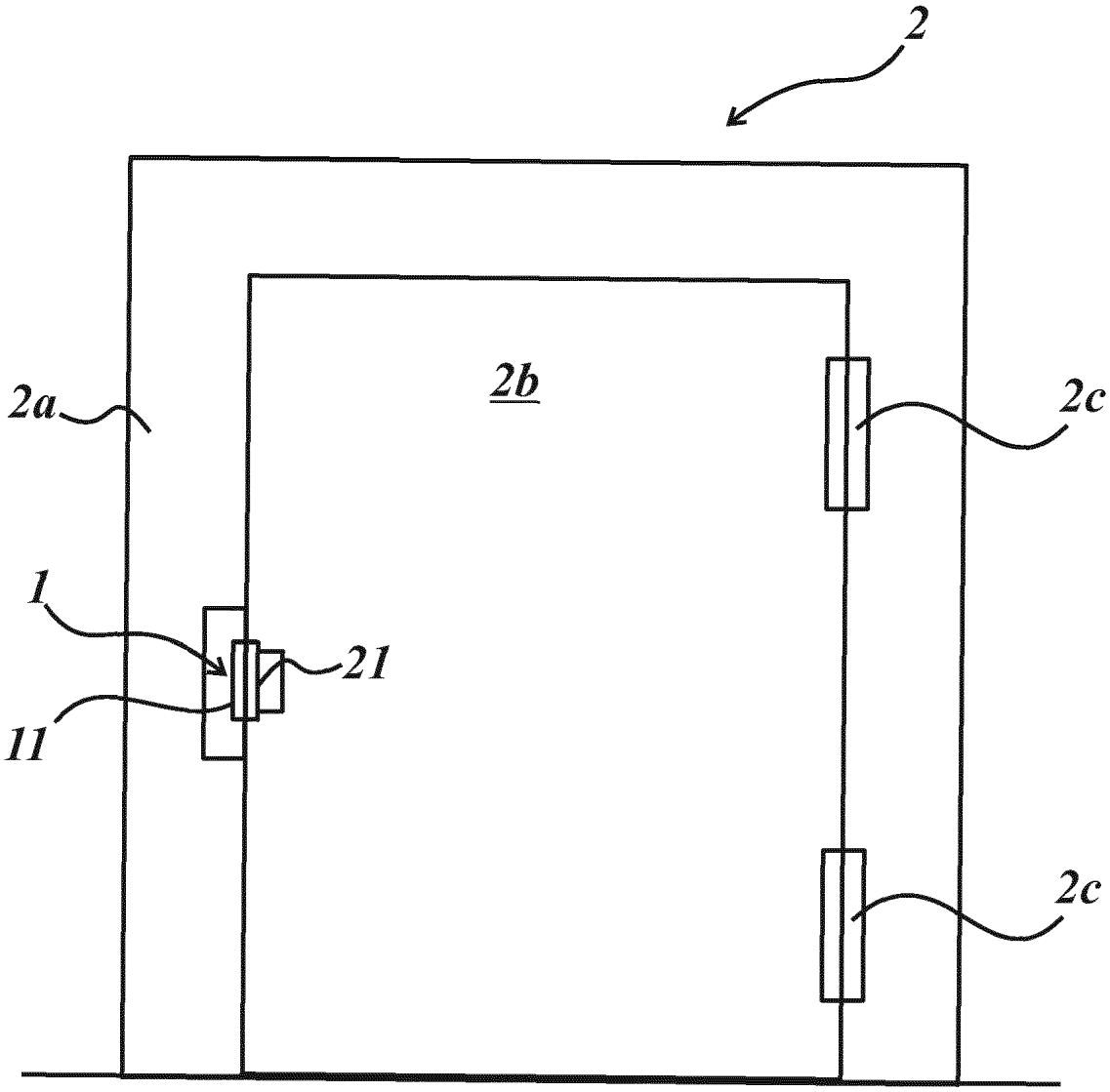


Fig. 1

Publication data including kind & date

PL2543797	T3	2018-02-28	PL2543797
ES2647888	T3	2017-12-27	ES2647888
EP2543797	B1	2017-09-27	EP2543797
DE102011107472	B4	2014-02-20	DE102011107472
EP2543797	A3	2013-11-27	EP2543797
DE102011107472	A1	2013-01-10	DE102011107472
EP2543797	A2	2013-01-09	EP2543797

Abstract

(EP2543797)

The door opener device has an electrically controllable door opener (1) with a movably mounted door latch (11). An electrically switchable locking unit is provided on the door latch, which is brought into a locking position and a release position. A counter element (21) is provided for cooperating with the door latch, and has a magnet. The door opener is mounted on the door panel, with the door latch, on the fixed door frame (2a). The door latch has magnet, of the counter element, cooperating with a magnetizable material or with magnets.

(From EP2543797 A2)

Inventors

FAILER GISBERT

HOLZER MICHAEL

Latest standardized assignees - inventors removed

ASSA ABLOY SICHERHEITSTECHNIK

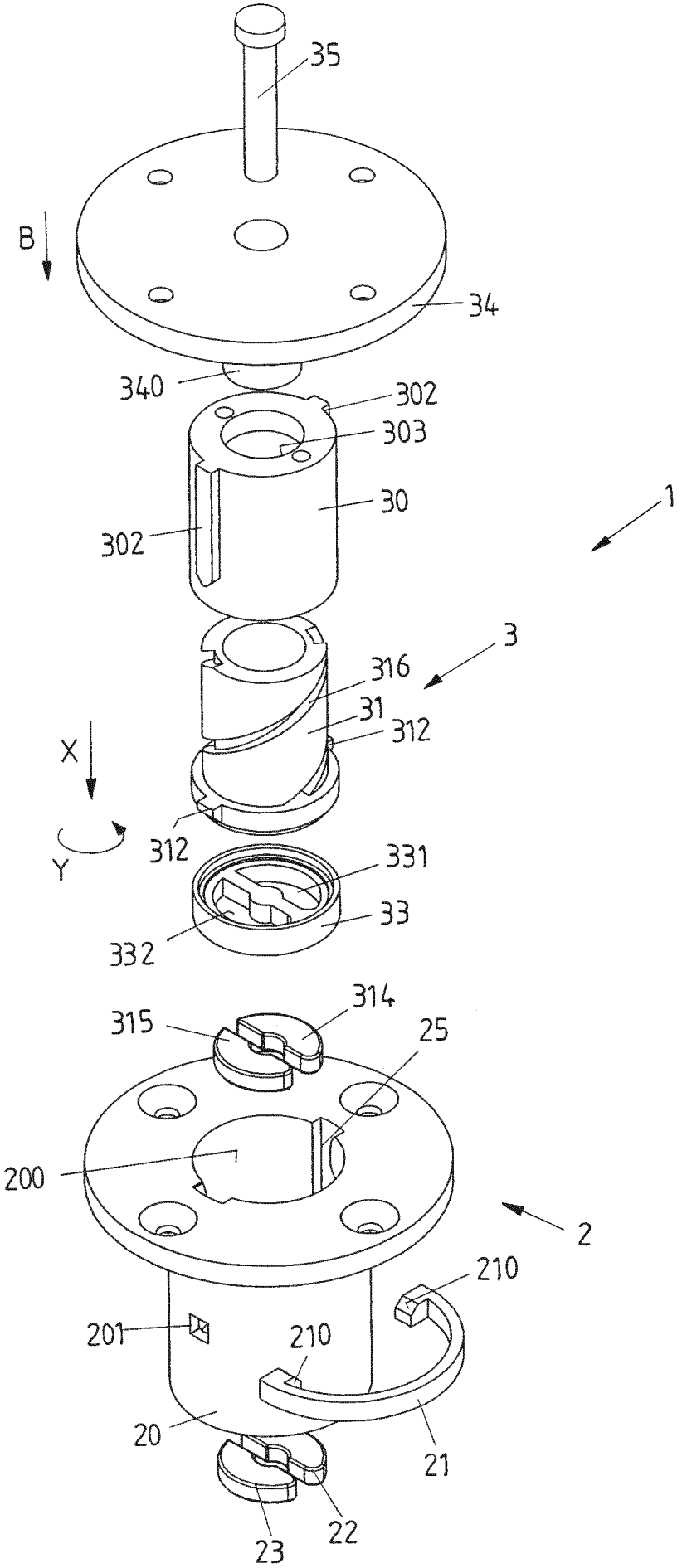
Family 100/200 - FAMPAT - ©Questel

Title

(EP2929115)

Closure device for connecting two parts

Images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Publication data including kind & date

US10202790	B2	2019-02-12	US10202790
EP2929115	B1	2018-04-04	EP2929115
US20160010371	A1	2016-01-14	US20160010371
EP2929115	A2	2015-10-14	EP2929115
WO2014/086874	A3	2014-11-27	WO201486874
WO2014/086874	A2	2014-06-12	WO201486874
DE102012222344	A1	2014-06-05	DE102012222344

Abstract

(EP2929115)

A closure device for connecting two parts comprises a first closure part, a second closure part which, for the closing of the closure device, can be fitted onto the first closure part in a closing direction, and, in a closed position, is held on the first closure part and, in order to open the closure device, is movable with respect to the first closure part in an opening direction different from the closing direction and, after the closure device has been opened, is removable from the first closure part counter to the closing direction in order to separate the closure parts, and magnetic means which act between the first closure part and the second closure part in order to assist the closing of the closure device by providing a magnetic attraction force. Blocking means (25, 253; 32, 322; 27) are provided here and are designed to block a movement back of the second closure part (3) relative to the first closure part (2) counter to the opening direction (O) during the separation of the closure parts (2, 3). A closure device is thereby provided, in which the opening can take place in a haptically pleasant manner and, in particular, snapping shut directly after the opening is not readily possible.

Inventors

FIEDLER JOACHIM

Latest standardized assignees - inventors removed

FIDLOCK

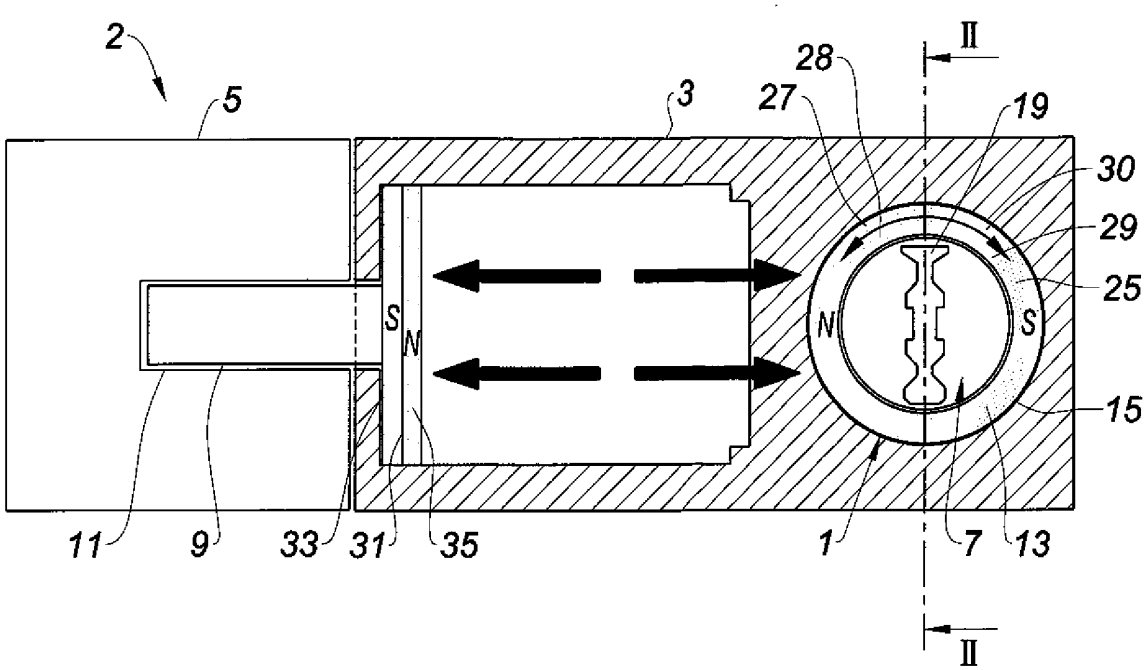
Family 101/200 - FAMPAT - ©Questel

Title

(WO201592249)

Locking/unlocking device such as a lock

Images



Publication data including kind & date

FR3014927	B1	2016-12-30	FR3014927

WO2015/092249	A3	2015-08-13	WO201592249
WO2015/092249	A2	2015-06-25	WO201592249
FR3014927	A1	2015-06-19	FR3014927

Abstract

(WO2015/092249)

The invention relates to a locking/unlocking device (1) such as a lock, comprising: -a barrel (7), comprising a stator (15) and a rotor (13), provided with means for driving the rotor in rotation inside the stator, and -at least one bolt (9) intended to engage with a striker for a locked position of said device. The locking/unlocking device according to the invention is remarkable in that the bolt comprises at least one magnetised body and in that the rotor comprises at least one magnetised body (25) shaped at least such that, when the rotor turns in the stator, said bolt is allowed to shift from said locked position to an unlocked position thereof.

Inventors

SECRET VALÉRIE

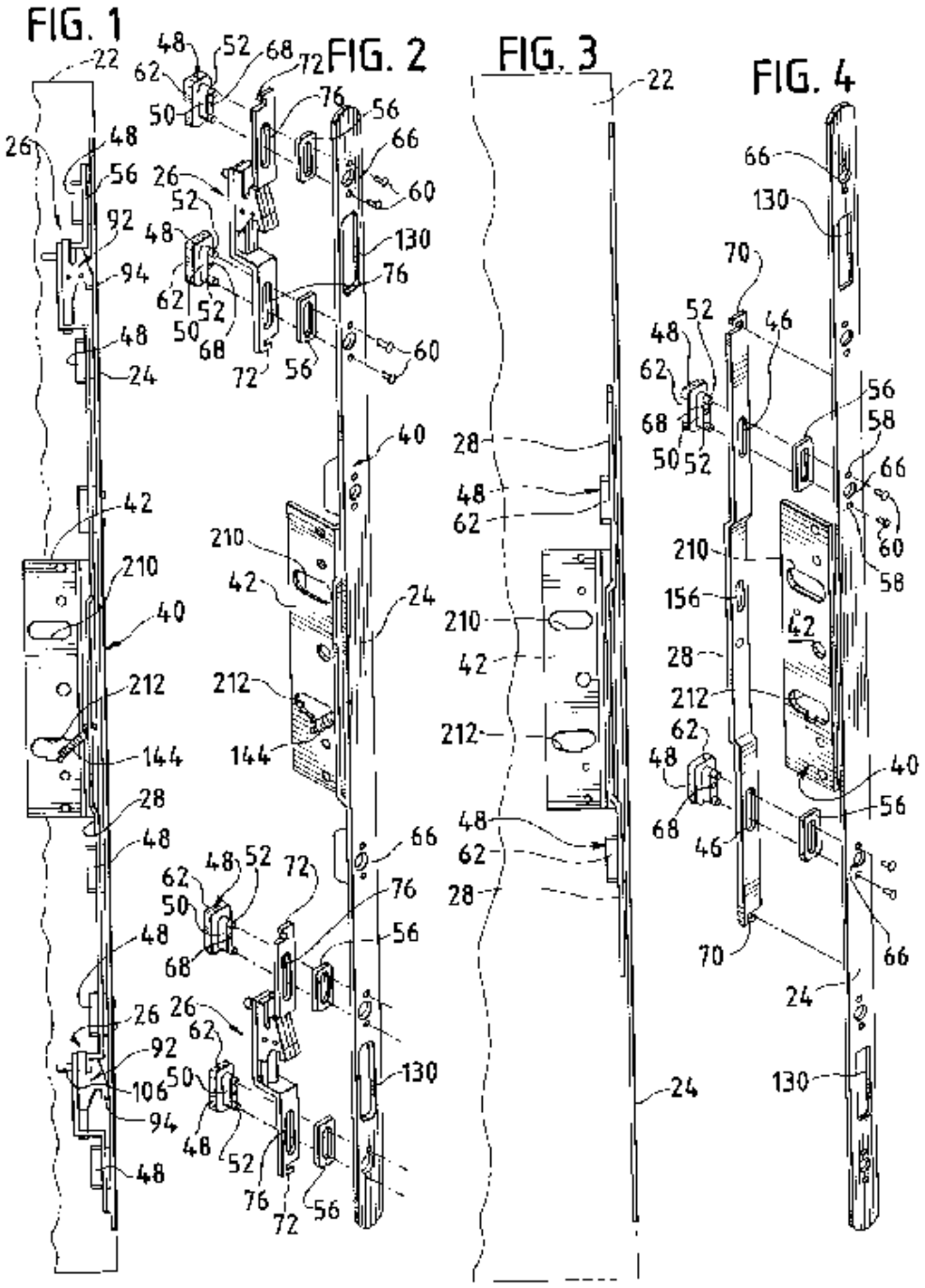
Family 102/200 - FAMPAT - ©Questel

Title

(US5906403)

Multipoint lock for sliding patio door

Images



Publication data including kind & date

CA2221223	C	2002-05-14	CA2221223
US5906403	A	1999-05-25	US5906403
CA2221223	A1	1998-11-12	CA2221223

Abstract

(US5906403)

A multipoint lock for securing a door to a door frame includes a tie bar longitudinally movable on the door with two latch members adjustably secured laterally relative thereto. The latch members are modular with hooks for selectively securing to the tie bar and other latch members. A metal face plate is securable over a door side groove with the tie bar movably secured to the plate in the groove at at least two locations by securing members extending through openings in the plate, tie bar and a plastic spacer. The securing members each include a longitudinal body member with parallel longitudinal

sides cooperating with a tie bar slot to guide the tie bar. Rivets at ends of the securing members are secured to the plate. A link, pivotable about a substantially horizontal axis, has one arm driveably engaging the tie bar to selectively move the tie bar vertically toward a disengaged position. A handle member, pivotable about a substantially vertical axis on the door when pulled horizontally, driveably engages a second pivot link arm. A keeper base, securable to the door frame, selectively spaces two keeper hooks which cooperate with the latch members to secure the door to the frame. The keeper base is securable along one side to the frame and includes a projecting portion which visibly marks the frame when pressed thereagainst. An alignment guide supports the keeper hooks in a cooperative position with the latch members prior to securing to the frame.

Inventors

BESTLER WILLIAM J

BLOM MARCIA K

VELZKE CLARK A

Latest standardized assignees - inventors removed

TRUTH HARDWARE

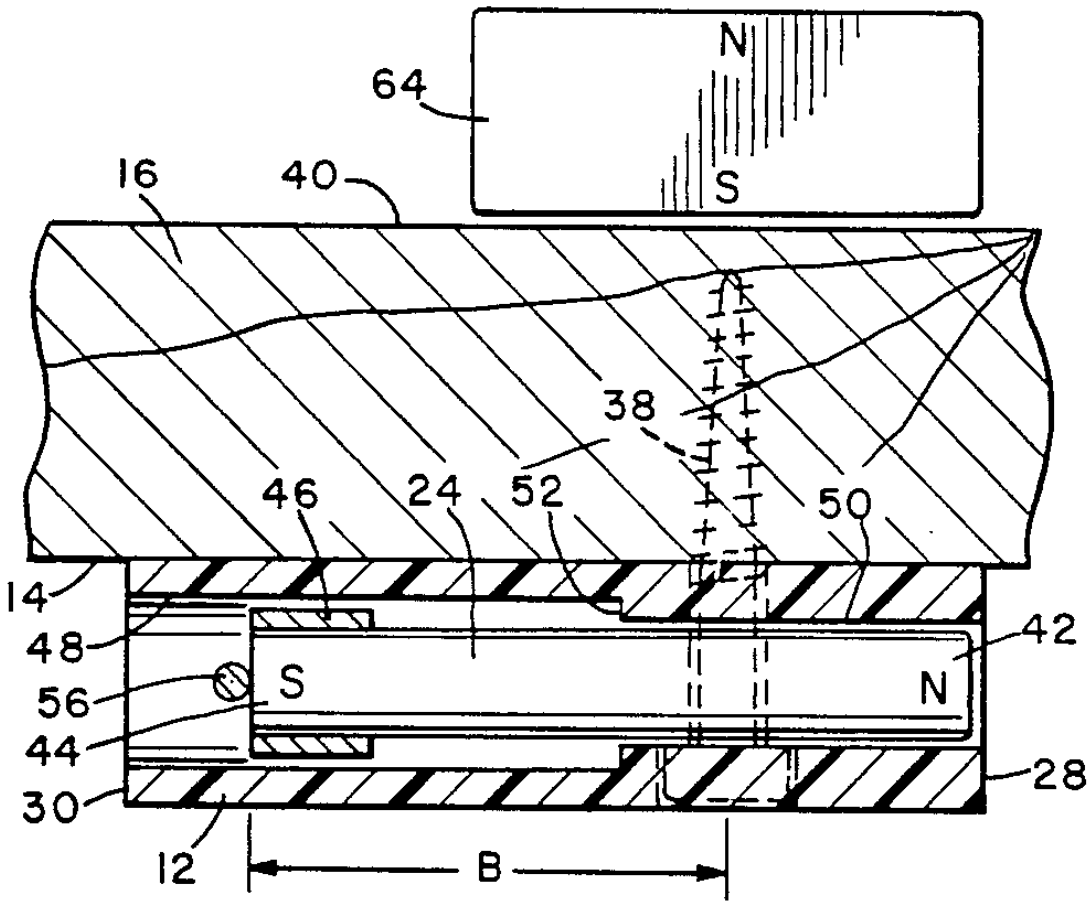
Family 103/200 - FAMPAT - ©Questel

Title

(US4848812)

Concealed safety lock

Images



Publication data including kind & date

US4848812 A 1989-07-18 US4848812

Abstract

(US4848812)

A device for selectively locking a door in a closed position against a door frame member having a body with a substantially

planar mounting surface for engaging the face of the door and a throughbore in the body substantially parallel to the mounting surface. A mounting mechanism included for coupling the body to the door. A magnetic bolt is disposed within the throughbore for slidable movement between a retracted position and an extended position wherein a portion of the bolt extends outwardly from the body when in the extended position. A retainer is included for limiting the travel of the bolt between the retracted and extended positions. A striker is mounted to the door frame member for engaging the bolt in the extended position so as to secure the door against the door frame member in the closed position.

Inventors

SLAUGHTER STEVEN J

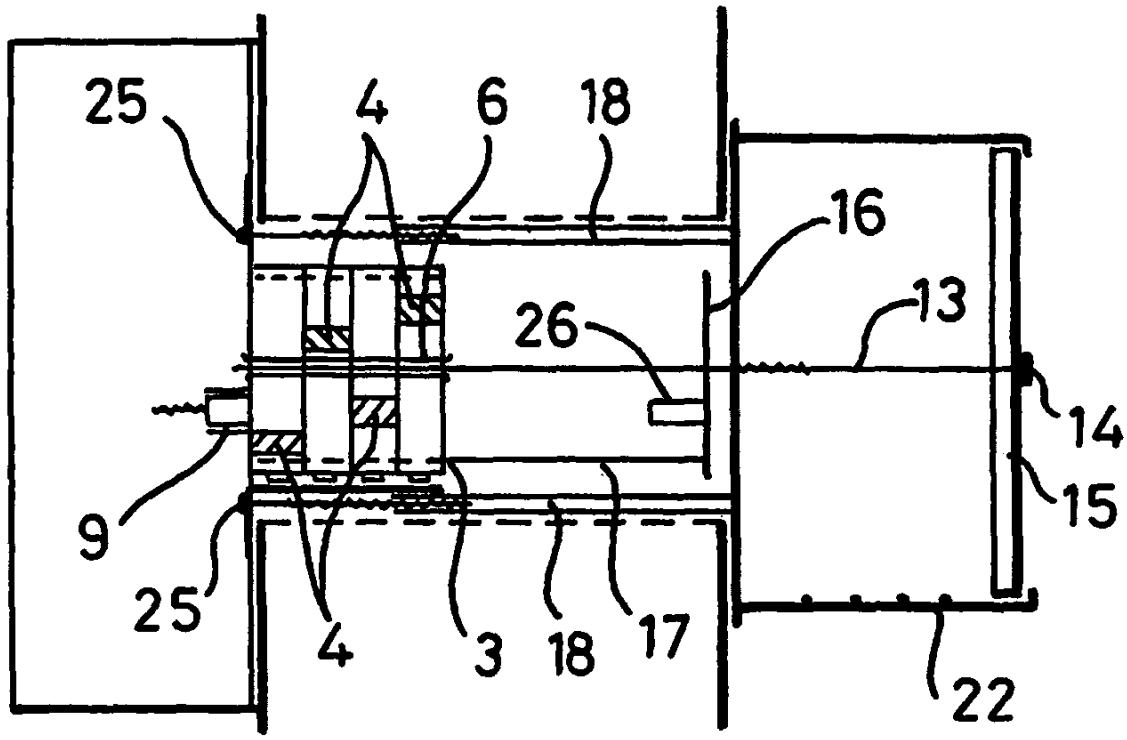
Family 104/200 - FAMPAT - ©Questel

Title

(EP1917412)

Combination lock

Images



Publication data including kind & date

US8037724	B2	2011-10-18	US8037724
CN101213346	B	2011-06-08	CN101213346B
US20090090149	A1	2009-04-09	US20090090149
CN101213346	A	2008-07-02	CN101213346
EP1917412	A2	2008-05-07	EP1917412
WO2006/131769	A3	2007-03-15	WO2006131769
WO2006/131769	A2	2006-12-14	WO2006131769
GB0511817	D0	2005-07-20	GB200511817

Abstract

(EP1917412)

A combination lock comprises a bolt which is withdrawn by depressing a bolt pin which is shielded by rotating discs having a movable disc pin within them. A selector pin attached to dial means is provided for engaging in selector holes in the discs and aligning the disc pins with one another and with the bolt pin, means being provided for pushing inwardly the disc pin on

the outer disc and urging the other disc pins aligned therewith towards the bolt pin such that it is depressed and/or withdrawn. The discs have a weight attached at their circumference such that, during code setting, changing the position of the weight changes the relative angular position of the disc pin. When pressure is released from the mechanism, springs return the selector pin and the disc pins to their original positions and the weights on the discs fall, thereby rotating the discs and automatically scrambling the code.

Inventors

FOX ARNOLD JEFFREY

Latest standardized assignees - inventors removed

FOX ARNOLD J

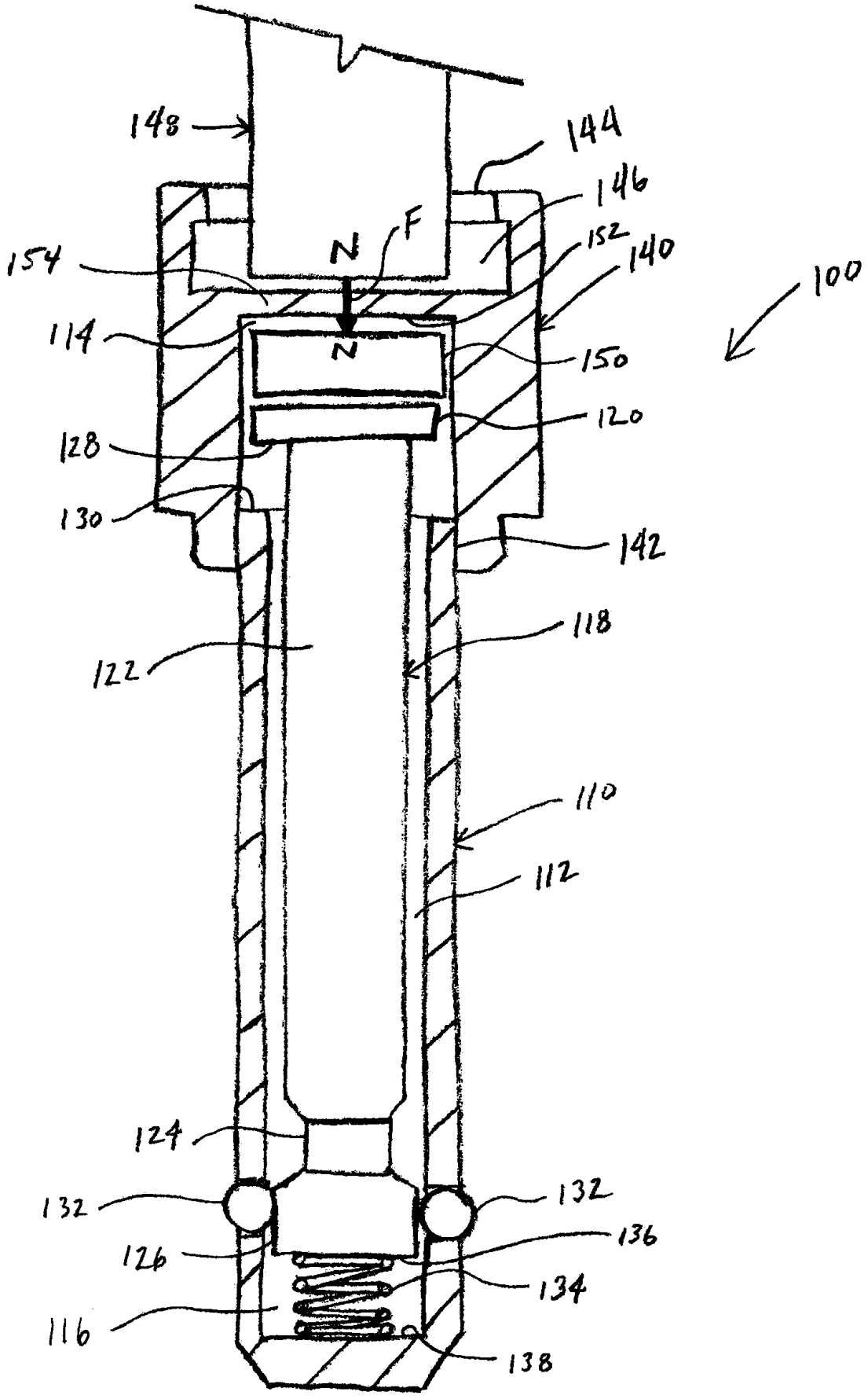
Family 105/200 - FAMPAT - ©Questel

Title

(US8863563)

Magnetic lock and key assembly

Images



Publication data including kind & date

US8863563	B2	2014-10-21	US8863563
US20120291501	A1	2012-11-22	US20120291501

Abstract

(US20120291501)

A magnetic lock and key assembly includes a magnetic lock assembly. The magnetic lock assembly includes a plunger translatable between a locked position and an unlocked position. A detent is extendable when the plunger is in the locked position and retractable when the plunger is in the unlocked position. A lock magnet is translatable with the plunger and has an end defined by a lock magnet north pole and a lock magnet south pole. The magnetic lock and key assembly further includes a magnetic key assembly having a key magnet. The key magnet has an end defined by a key magnet north pole and a key magnet south pole. At least one of the lock magnet and the key magnet is rotatably supported to facilitate automatic magnetic attractive alignment, attraction of the lock magnet toward the key magnet, and translation of the plunger to the unlocked position.

Inventors

GENTILE FRANK L

NICKEAS MARK

NICKEAS MARTIN

Latest standardized assignees - inventors removed

REXNORD

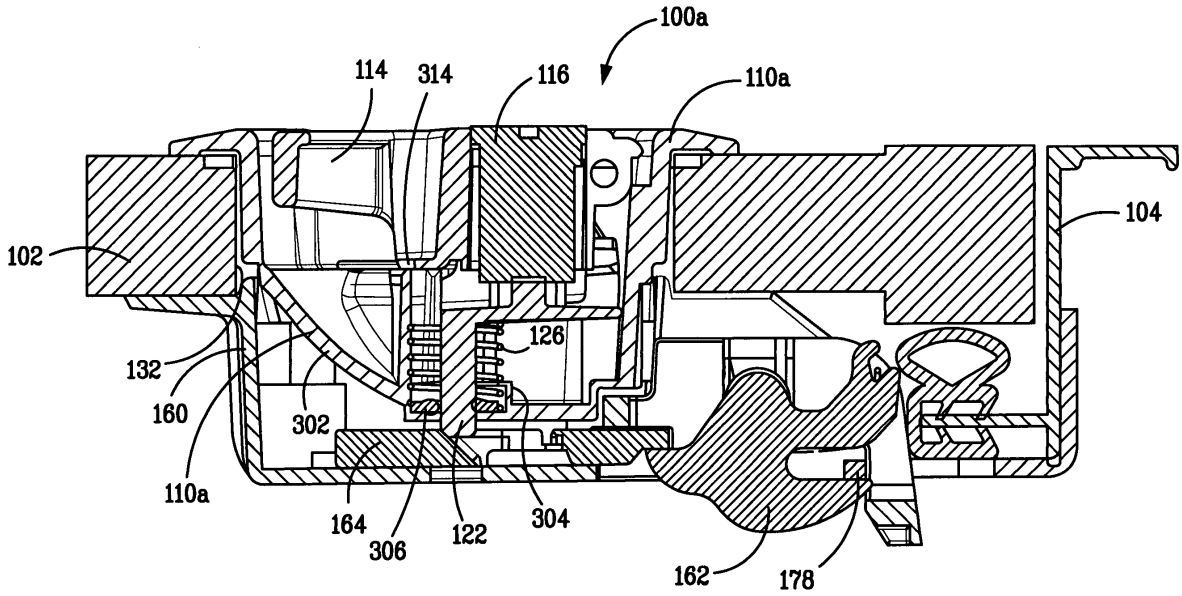
Family 106/200 - FAMPAT - ©Questel

Title

(US20050183477)

Latch

Images



Publication data including kind & date

TWI364480	B	2012-05-21	TWI364480
CN1676844	B	2010-12-01	CN1676844B
US7313937	B2	2008-01-01	US7313937
GB2411204	B	2006-12-13	GB2411204
CN1676844	A	2005-10-05	CN1676844
DE102005008112	A1	2005-09-01	DE102005008112
TW200528622	A	2005-09-01	TW200528622
US20050183477	A1	2005-08-25	US20050183477
US20050183478	A1	2005-08-25	US20050183478
GB2411204	A	2005-08-24	GB2411204
GB0503590	D0	2005-03-30	GB200503590

Abstract

(US20050183477)

A latch is disclosed that can be applied to doors in a variety of orientations and/or with keepers in a variety of orientations without any modifications to the latch being necessary. The latch includes a first module that carries a handle and an actuating member, and the latch includes a second module that includes a latching mechanism. The first and second modules can be secured together with the first and second modules being relatively oriented in any one of a plurality of orientations, while the latch remains operational with the two modules secured together in any of the various orientations.

Inventors

STRAKA ROBERT L JR

Latest standardized assignees - inventors removed

SOUTHCO

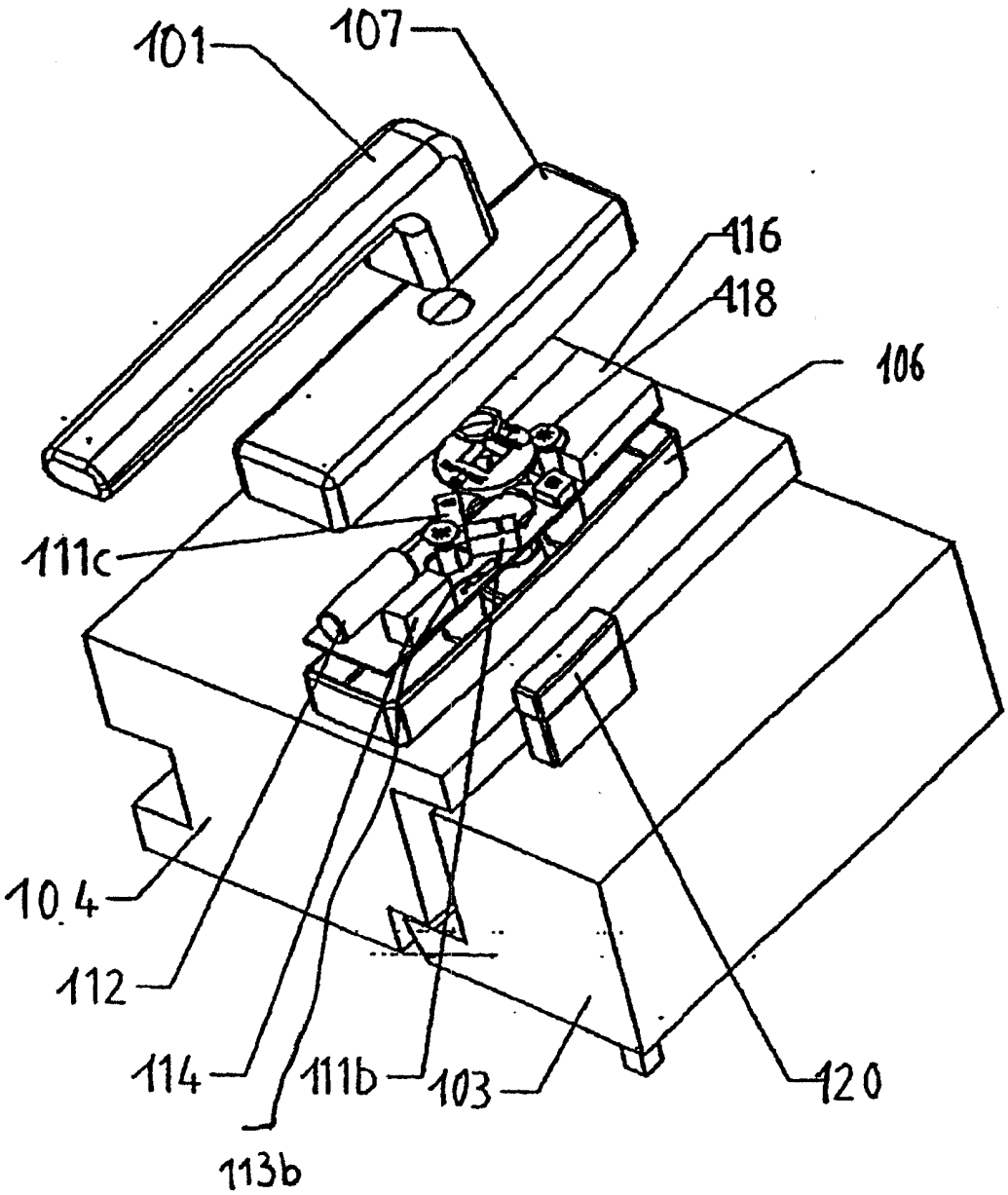
Family 107/200 - FAMPAT - ©Questel

Title

(EP1700284)

Window and window handle

Images



Publication data including kind & date

ES2375619	T3	2012-03-02	ES2375619
PT1700284	E	2011-11-28	PT1700284
AT529846	T	2011-11-15	ATE529846
EP1700284	B1	2011-10-19	EP1700284
WO2005/066913	A3	2009-03-05	WO200566913
EA008815	B1	2007-08-31	EA---8815
US20070170729	A1	2007-07-26	US20070170729
EA200601251	A1	2006-10-27	EA200601251
EP1700284	A2	2006-09-13	EP1700284
WO2005/066913	A2	2005-07-21	WO200566913

Abstract

(EP1700284)

The invention relates to a window comprising a window frame (2) and a casement (23) which can be displaced in relation to the window frame, mountings (4- 7) which are arranged between the casement (23) and the window frame (2) and which are used to displace the casement (23) in relation to the window frame (2), and a handle which is disposed on the casement (23), said handle comprising a handle part which can be displaced, particularly rotated, on the casement (23) in various positions of the handle which correspond to different operational positions of the casement (23). The invention is characterised in that the handle (13) comprises control elements and/or sensors, and the handle (13) is connected in a wireless manner or via electric lines to electromagnetic or electromechanical locking elements (8, 9) between the casement (23) and the window frame (2), and/or to electromagnetic or electromechanical functions, in particular coupling elements (10 - 12), for at least one or several mountings (5, 6, 7), and/or to an electromechanical drive device which is used to open or close the casement (23).

Inventors

KAISER KONRAD

LINK DANIEL

Latest standardized assignees - inventors removed

SCHUECO INTERNATIONAL

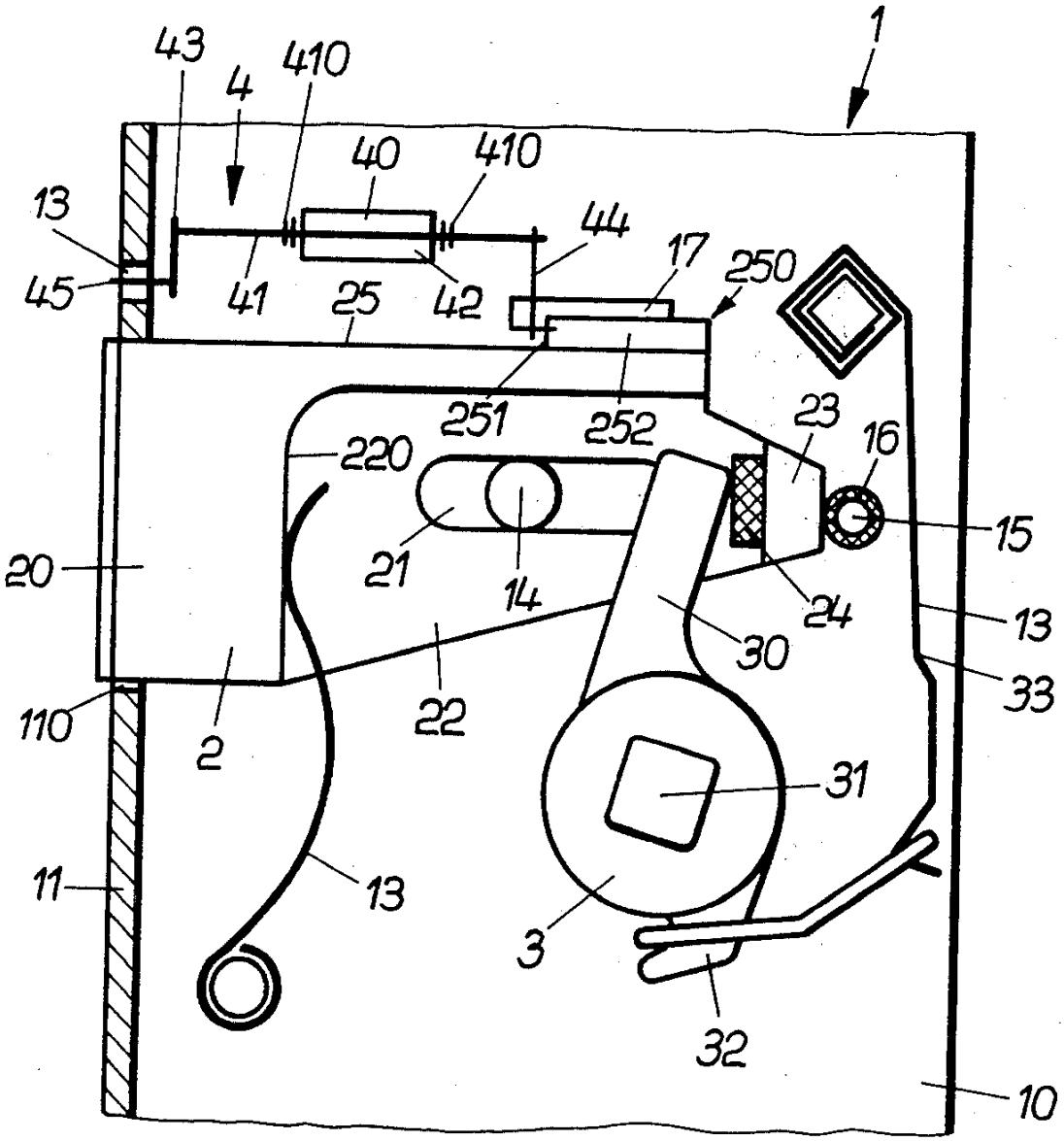
Family 108/200 - FAMPAT - ©Questel

Title

(US3899203)

Door lock

Images



Publication data including kind & date

GB1423258	A	1976-02-04	GB1423258
US3899203	A	1975-08-12	US3899203
CH558868	A	1975-02-14	CH-558868
FR2186052	A5	1974-01-04	FR2186052
DE2224521	A1	1973-11-22	DE2224521

Abstract

(US3899203)

The door lock of the present invention comprises a spring loaded, retractable latch which can be arrested in a retracted position by means of a bolt that can be released by means of a release member. The release member is connected to the bolt by means of a contact piece positioned on the frame of the door, the release member and the contact piece being adjustably relative to each other.

Inventors

HEITZ WALTER HELMUT

Latest standardized assignees - inventors removed

HEITZ WALTER HELMUT

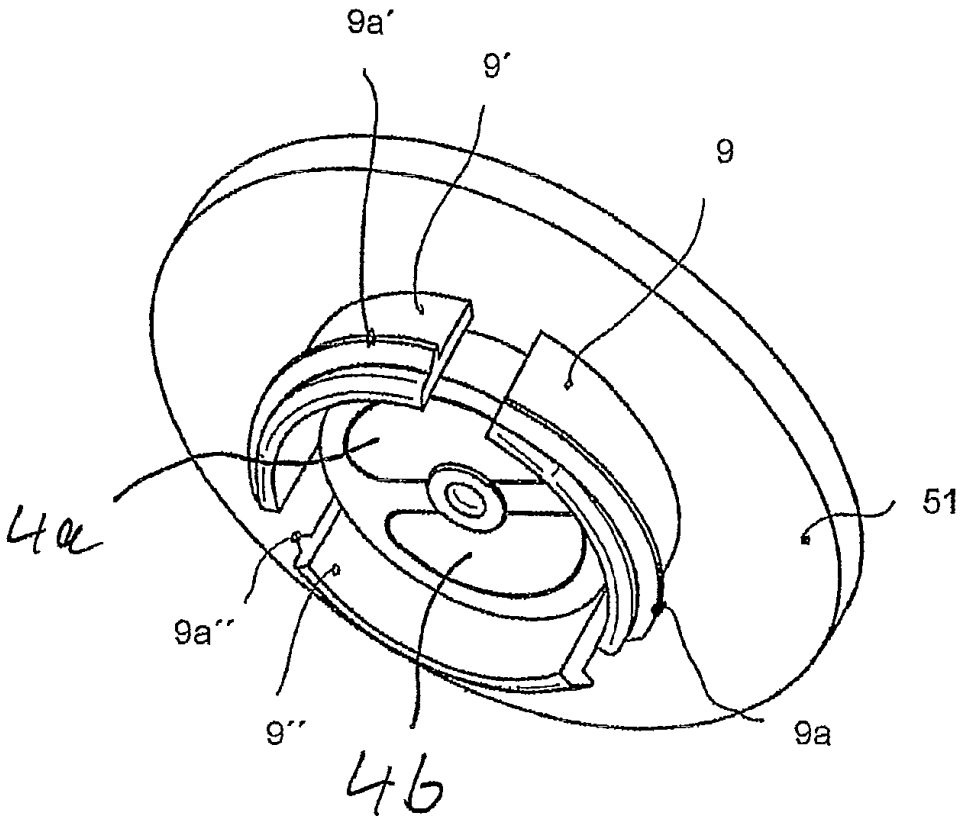
Family 109/200 - FAMPAT - ©Questel

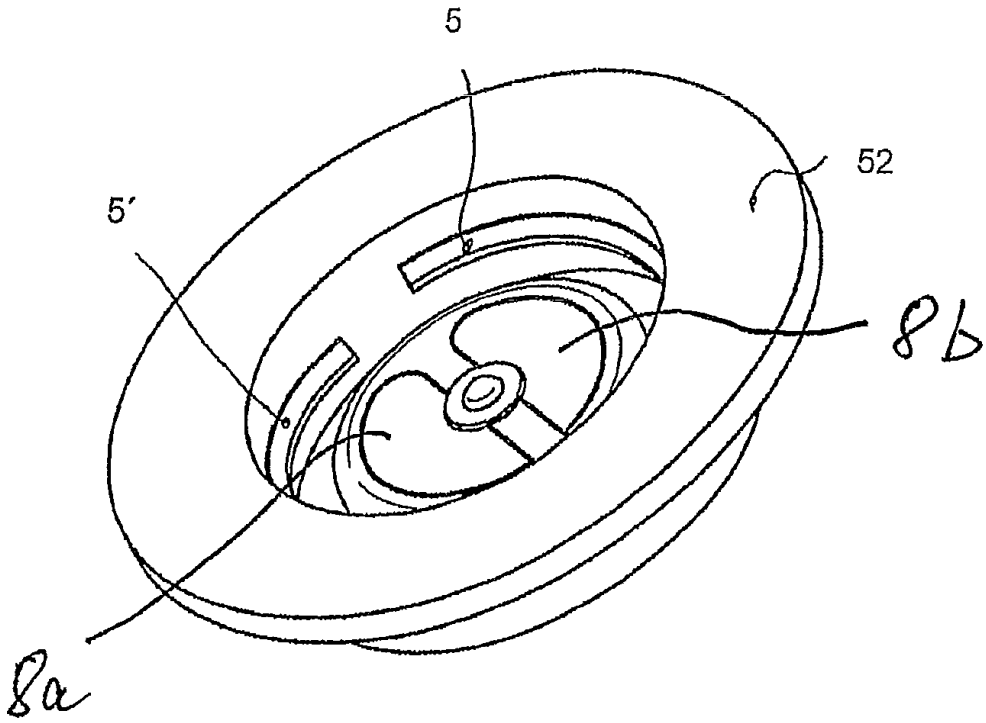
Title

(EP2271233)

Mechanical-magnetic connecting structure

Images





Publication data including kind & date

VN0020369	B	2019-02-25	VN--20369B
US8495803	B2	2013-07-30	US8495803
CN102036578	B	2013-05-08	CN102036578B

EP2271233	B8	2012-08-15	EP2271233
AT552745	T	2012-04-15	ATE552745
EP2271233	B1	2012-04-11	EP2271233
CN102036578	A	2011-04-27	CN102036578
DE102008019063	B4	2011-04-14	DE102008019063
US20110030174	A1	2011-02-10	US20110030174
VN25115	A	2011-01-27	VN--25115
EP2271233	A2	2011-01-12	EP2271233
WO2009/127196	A3	2010-08-26	WO2009127196
DE102008019063	A1	2009-10-29	DE102008019063
WO2009/127196	A2	2009-10-22	WO2009127196

Abstract

(EP2271233)

The invention relates to a mechanical-magnetic connecting structure, which is to say a mechanical lock that closes supported by magnetic force. The connecting structure comprises a module A and a module B, which each are part of the objects to be coupled or are attached to the objects to be coupled, wherein the connecting structure has the following characteristics: The modules A and B are configured as a magnetic system such that as the modules approach each other they are aligned by means of magnetic force in predetermined spatial positions and attracted to each other, whereby two engagement sections are operatively connected and locked with each other. According to the invention, the engagement sections have a helical configuration. Module A and module B, without rotation, are closed such that the helical engagement section positively snaps into the helical engagement section by means of the magnetic attraction. Module A and module B are to be opened such that upon rotation of the modules and the attendant rotation of the magnets from the closed position into the open position the helical engagement sections are turned to disengage.

Inventors

FIEDLER JOACHIM

Latest standardized assignees - inventors removed

FIDLOCK

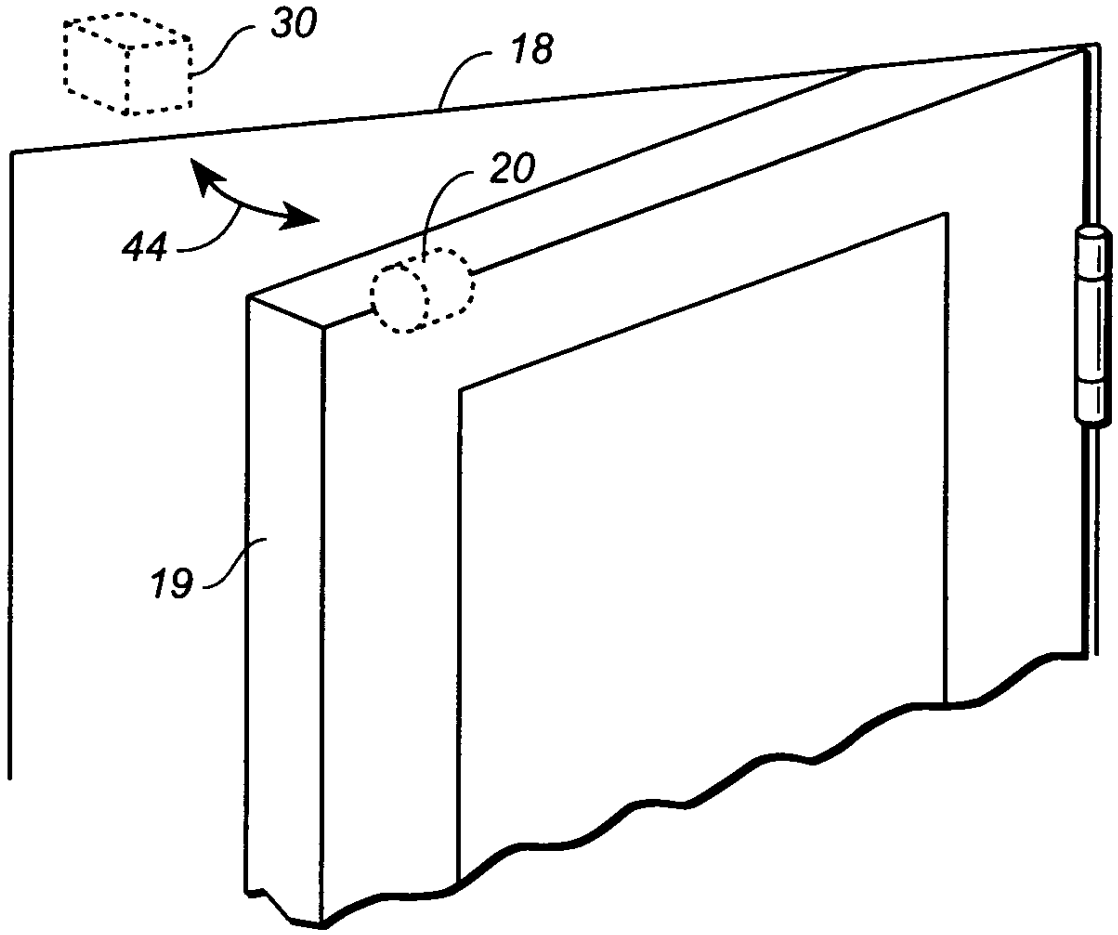
Family 110/200 - FAMPAT - ©Questel

Title

(EP1700983)

Energy absorbing magnetic coupling device

Images



Publication data including kind & date

US7567159	B2	2009-07-28	US7567159
DE602006001763	D1	2008-08-28	DE602006001763
AT401482	T	2008-08-15	ATE401482
EP1700983	B1	2008-07-16	EP1700983
JP2006292165	A	2006-10-26	JP2006292165
EP1700983	A1	2006-09-13	EP1700983
CN1824917	A	2006-08-30	CN1824917
US20060170225	A1	2006-08-03	US20060170225
CA2534417	A1	2006-08-03	CA2534417

Abstract

(EP1700983)

A non-contact apparatus removes translational energy (slows movement) of a first magnetic assembly when it is moved through the magnetic field of a second magnet. The first magnetic assembly contains a magnet that can rotate, such as a diametrically magnetized cylindrical magnet in a cylindrical cavity. Rotation of the first magnet does work against a predetermined drag. The apparatus also forms a non-contact magnetic coupling that holds a predetermined relative position. The apparatus can be used as a door catch that slows down and quietly stops a door at a predetermined position relative to the doorframe.

Inventors

MACKEN JOHN A

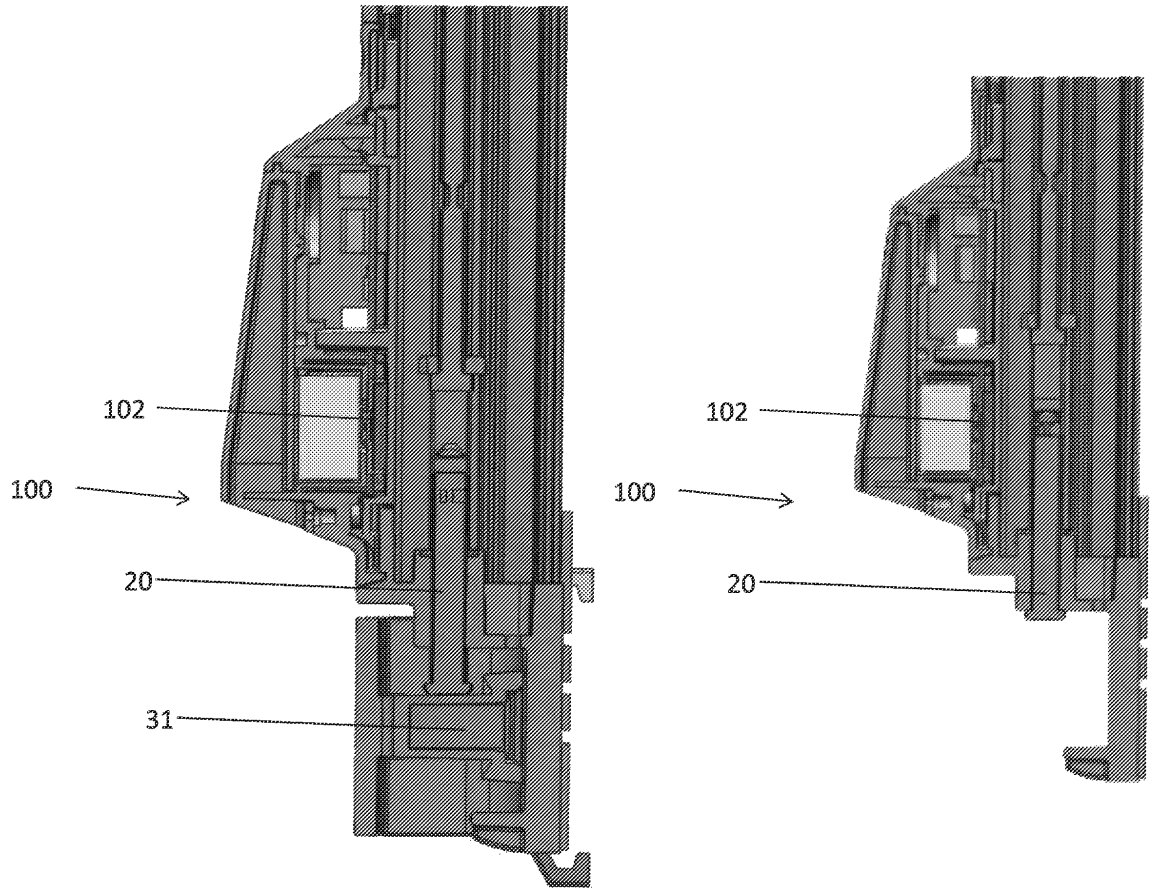
Family 111/200 - FAMPAT - ©Questel

Title

(EP2959079)

Sensor configuration for a latch assembly

Images



Publication data including kind & date

US10082544	B2	2018-09-25	US10082544
ES2683151	T3	2018-09-25	ES2683151
US20180259595	A1	2018-09-13	US20180259595
AU2014218507	B2	2018-08-30	AU2014218507
EP2959079	B1	2018-05-16	EP2959079
CN105026665	B	2017-11-14	CN105026665B
AU2013202619	B2	2017-06-22	AU2013202619
EP2959079	A4	2016-11-23	EP2959079
US20160003922	A1	2016-01-07	US20160003922
EP2959079	A1	2015-12-30	EP2959079
CN105026665	A	2015-11-04	CN105026665
AU2014218507	A1	2015-09-10	AU2014218507
AU2013202619	A1	2014-09-11	AU2013202619
WO2014/127413	A1	2014-08-28	WO2014127413

Abstract

(EP2959079)

A latch assembly comprising: a latch operative to adopt a latched condition and an unlatched condition; a magnet imparting a magnetic field; a sensor adapted to sense the magnetic field; the latch, magnet and sensor being configured such that a change in the condition of the latch effects a variance in the magnetic field sensed by the sensor such that the sensor is able to distinguish between the latched condition and the unlatched condition.

Inventors

SMITH GLENN

NINK KLAUS PETER

Latest standardized assignees - inventors removed

D & D

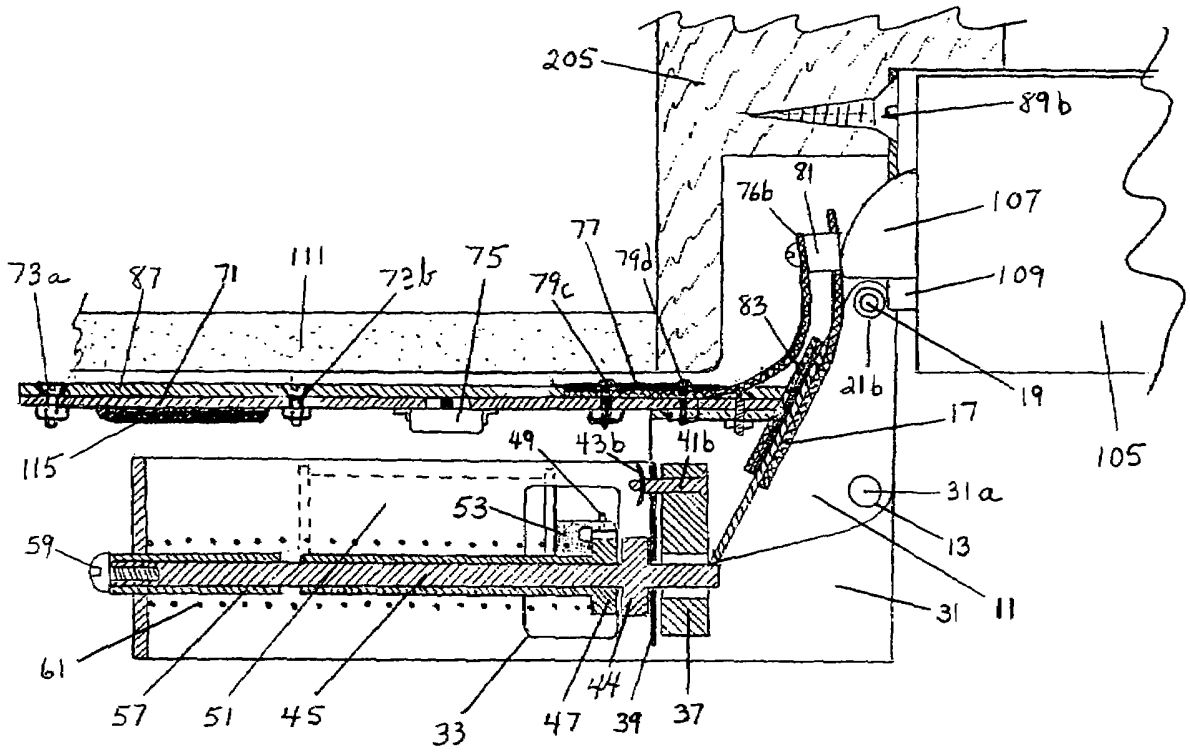
Family 112/200 - FAMPAT - ©Questel

Title

(WO200629329)

Electronic tongue strike mechanism

Images



Publication data including kind & date

ZA200702863	B	2009-02-25	ZA200702863
US20080191499	A1	2008-08-14	US20080191499
US7410196	B2	2008-08-12	US7410196
DE112005002172	T5	2008-07-17	DE112005002172
JP2008513628	A	2008-05-01	JP2008513628
WO2006/029329	A3	2007-07-05	WO200629329
US20070145753	A1	2007-06-28	US20070145753
GB2433293	A	2007-06-20	GB2433293
GB0704524	D0	2007-04-18	GB200704524
WO2006/029329	A2	2006-03-16	WO200629329
CA2622083	A1	2006-03-16	CA2622083
US20060049648	A1	2006-03-09	US20060049648

Abstract

(WO2006/029329)

An electronic tongue strike mechanism which can be mounted in a door frame is disclosed. The electronic tongue strike mechanism has a main mounting bracket which is mountable to a door frame, a tension plate which is pivotally mounted to the main mounting bracket a tongue strike mounted on the tension plate for engaging a door bolt and a pressure sensor mounted on the tension plate to sense relative movement between the tension plate and the main mounting bracket caused by the door bolt being urged against the tongue strike. The pressure sensor feeds electronics which operate to control release of the tongue strike.

Inventors

STEIN JOHN W

Latest standardized assignees - inventors removed

EVERLOKT

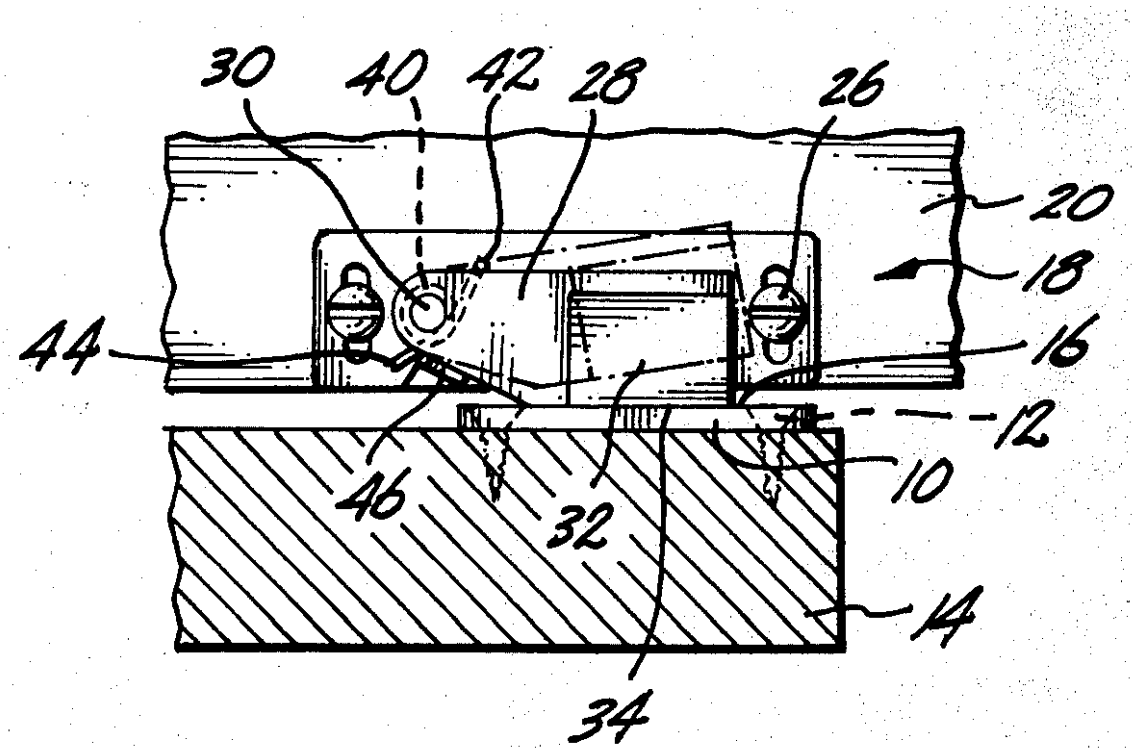
Family 113/200 - FAMPAT - ©Questel

Title

(US3934909)

Push releasable magnetic latch

Images



Publication data including kind & date

US3934909 A 1976-01-27 US3934909

Abstract

(US3934909)

A push releasable magnetic latch for cupboard doors or the like, comprising a first magnetic member secured to the cupboard door and a second magnetic member swing mounted to the cupboard structure about a pivot axis perpendicular to the path of travel of the door. The second member has a forward latching position and a rearward non-latching position, with a spring pushing the second member to its forward latching position. To open the door, the door is pushed inwardly to force the second magnetic member to its non-latching position where the two magnetic members are out of engagement, after which the door is abruptly released so that the spring causes the second member to push the door outwardly away from the cupboard structure.

Inventors

VAN NATTER WILLIAM J

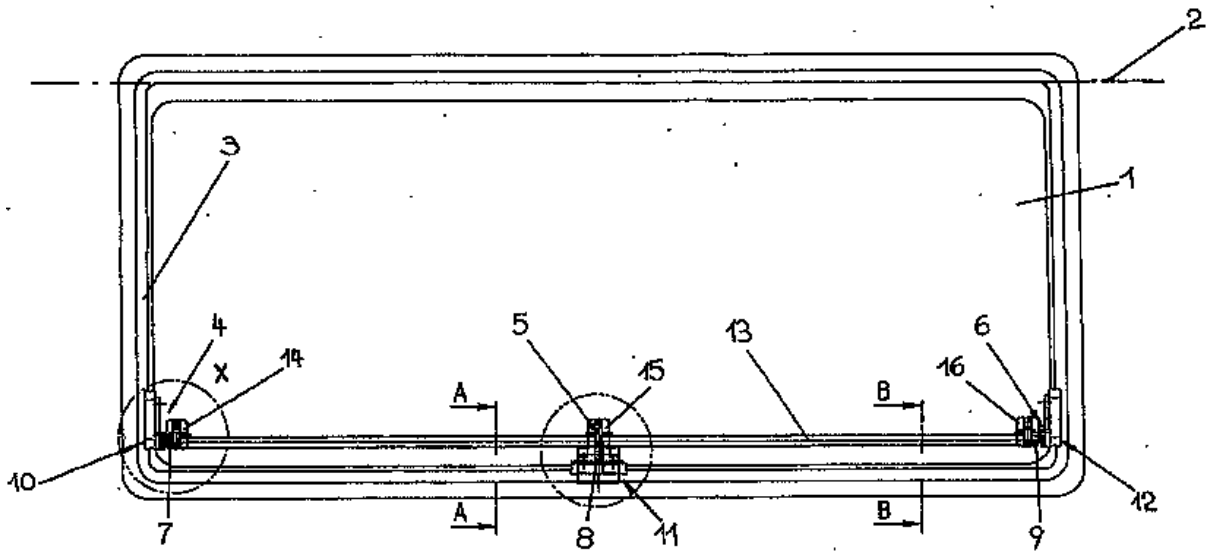
Family 114/200 - FAMPAT - ©Questel

Title

(DE19725677)

Caravan, mobile home or fixed frame and casement vehicle window or door

Images



Publication data including kind & date

DE19725677	C2	2001-05-17	DE19725677
DE29723836	U1	1999-05-20	DE29723836
DE19725677	A1	1998-12-24	DE19725677

Abstract

(DE19725677)

The casement (1) is movable in relation to the fixed frame (3) and can be locked to it by means of at least two locks (4,5,6) each consisting of at least one locking element (10-12) on the frame side, and at least one locking element (7-9) on the casement side. All the locking elements share one operating control (13) which is swivel mounted on the casement or frame. One set of locking elements is in the form of protuberances gripping behind locking edges on the other set of locking elements.

Latest standardized assignees - inventors removed

SEITZ POLYURETHAN TECHNIK

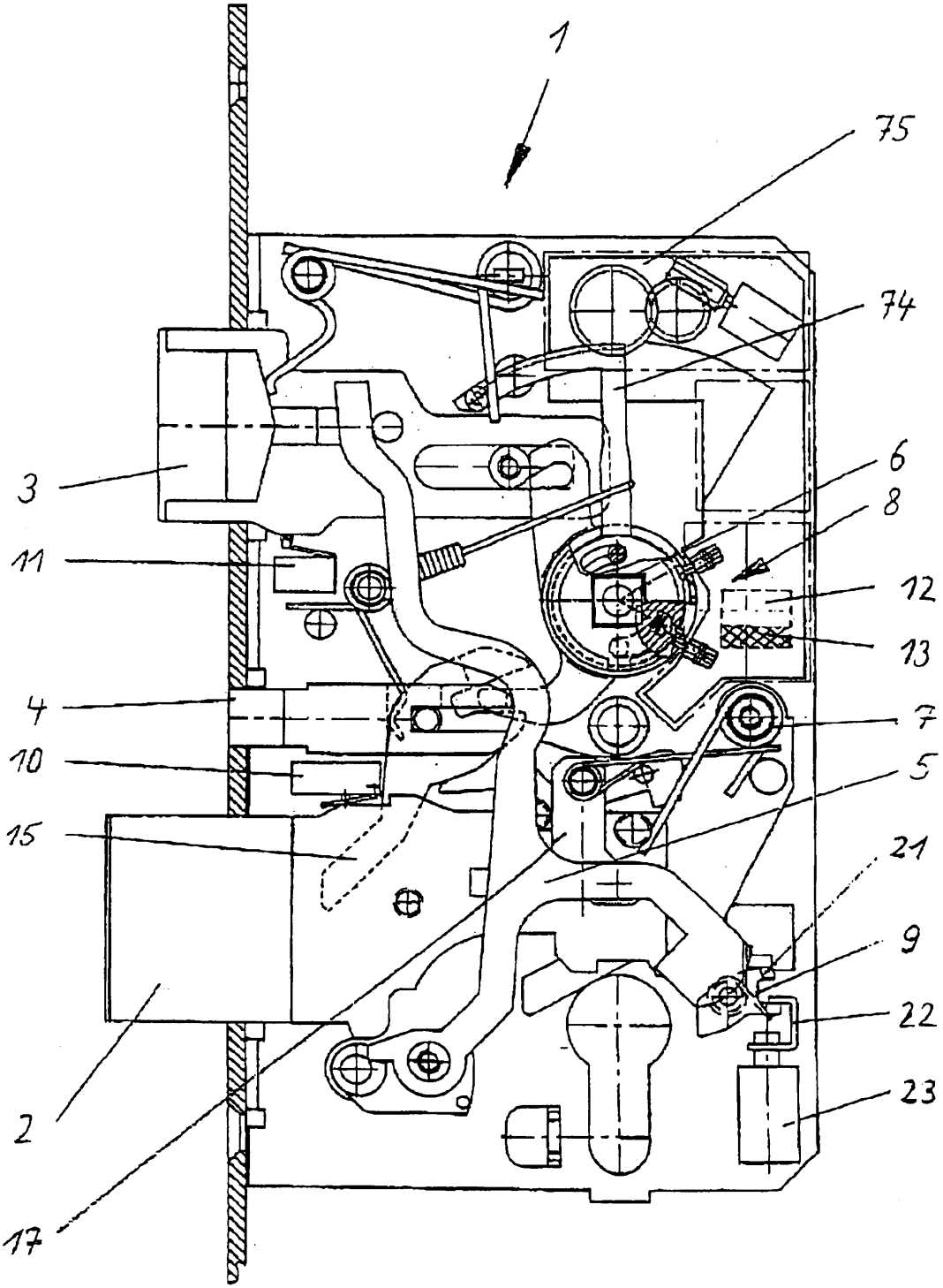
Family 115/200 - FAMPAT - ©Questel

Title

(EP1292747)

Self-locking latch and a locking system equipped with said latch

Images



Publication data including kind & date

ES2251484	T3	2006-05-01	ES2251484
DE50108672	D1	2006-04-06	DE50108672
AT315708	T	2006-02-15	ATE315708
EP1292747	B1	2006-01-11	EP1292747
US6899361	B2	2005-05-31	US6899361
PL358984	A1	2004-08-23	PL2001358984
RU2002128621	A	2004-03-20	RU2002128621
US20030155778	A1	2003-08-21	US20030155778
CN1436271	A	2003-08-13	CN1436271
EP1292747	A1	2003-03-19	EP1292747
WO01/94726	A1	2001-12-13	WO200194726
DE10028176			

A1 2001-12-13 DE10028176

Abstract

(EP1292747)

The invention relates to a self-locking latch (1) comprising a bolt (2), spring bolt (3), auxiliary spring bolt (4) and a reversing lever (5). The bolt (2), which is actuated by a depressor follower (6) or a locking cylinder is pre-tensioned by an elastic element (7) into the closed position in the open position of the door and when the door leaf is pivoted into the door rebate, said bolt is released into the closed position by the action of at least the auxiliary spring bolt (4). A follower locking or idle-motion device (8) that can be remotely deactivated, preferably by electric actuation, is provided for the temporary activation of the depressor follower function. Said remotely actuated follower locking or idle-motion device (8) allows the inventive self-locking latches to be advantageously combined with centrally operated locking systems.

Inventors

DORN MICHAEL

Latest standardized assignees - inventors removed

SACHSISCHE SCHLOSSFABRIK

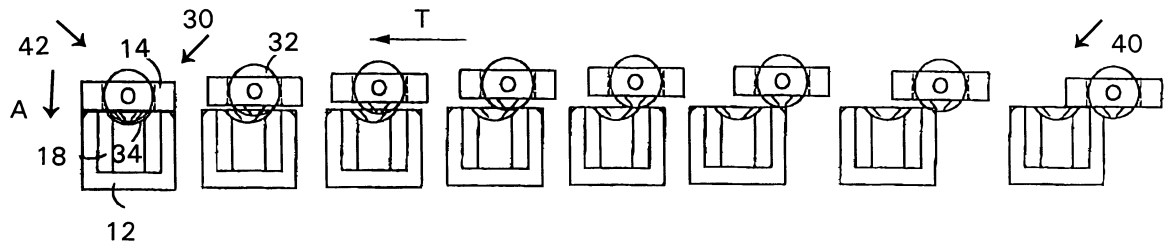
Family 116/200 - FAMPAT - ©Questel

Title

(WO200131154)

Magnetic lock

Images



Publication data including kind & date

US6561555	B1	2003-05-13	US6561555
AU7938100	A	2001-05-08	AU200079381
WO01/31154	A1	2001-05-03	WO200131154

Abstract

(WO01/31154)

A magnetic lock assembly is disclosed, the assembly including a locking component which has a lock housing and magnetic lock member, the magnetic lock member being housed in the lock housing and a striker component which has a striker plate which is magnetically attracted to the magnetic lock in a locking direction by a magnetic force produced by the magnetic lock member, in use. The assembly is characterised therein that the striker plate and the magnetic lock member are movable relative to each other in the locking direction, the striker plate and the magnetic lock member include complementary latching formations and the striker component and the locking component have co-operating displacing means for displacing the striker plate and the magnetic lock member relative to each other in the locking direction upon movement of the striker plate and the magnetic lock member relative to each other in a transverse direction. The invention extends to a door including a magnetic lock assembly.

Inventors

MILLARD PIETER JOHANNES

Latest standardized assignees - inventors removed

UNIVATION TECHNOLOGIES

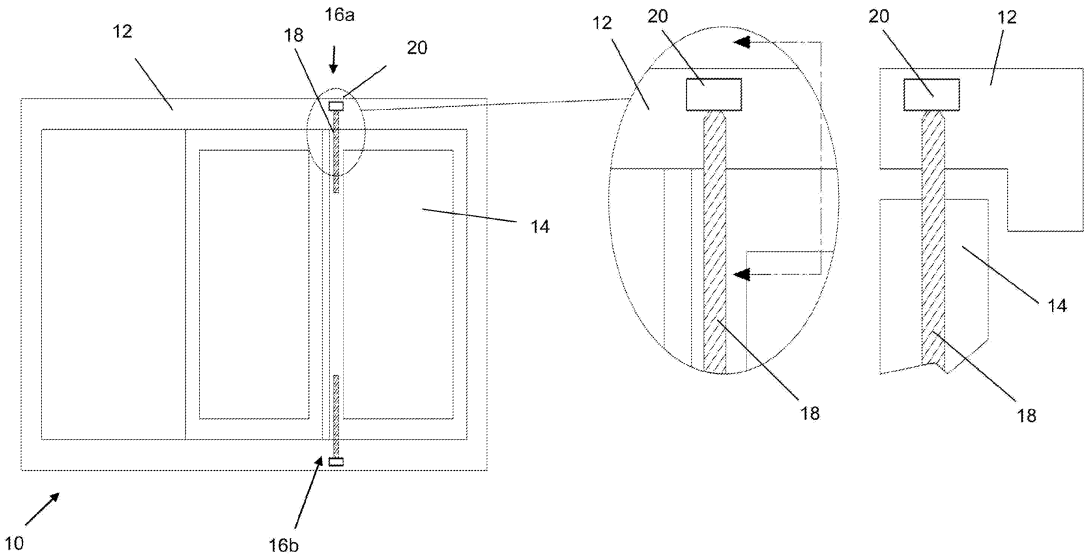
Family 117/200 - FAMPAT - ©Questel

Title

(EP2935741)

Latch mechanism

Images



Publication data including kind & date

EP2935741	B1	2019-04-24	EP2935741
AU2013362827	B2	2017-11-23	AU2013362827
EP2935741	A4	2016-08-31	EP2935741
US20150330126	A1	2015-11-19	US20150330126
EP2935741	A1	2015-10-28	EP2935741
AU2013362827	A1	2015-07-02	AU2013362827
WO2014/094071	A1	2014-06-26	WO201494071

Abstract

(EP2935741)

The present invention is directed to a latch mechanism for latching a door or window panel to a frame. The latch mechanism includes: a pair of first members, a first of the pair of first members being located in an upper region of either the door or window panel or the frame, and a second of the pair of first members being located in a lower region of either the door or window panel or the frame and a pair of second members, a first of the pair of second members being located in an upper region of the other of the door or window panel or the frame to the first of the pair of first members and a second of the pair of second members being located in a lower region of the other of the door or window panel or the frame to the second of the pair first members the second members being movable between an unlatched position and a latched position wherein the second members are brought into abutment with, or close proximity to, the respective first members, wherein the first members are adapted to move from the unlatched position to the latched position under a magnetic attraction to the respective second members when the door or window panel is brought into a closed condition and wherein the second members are coupled to a controller via one or more linkage members, wherein actuation of the controller results in moving the second members from the latched position to the unlatched position.

Inventors

MA MATTHEW

PACHOLKE GLEN

SPORK NIGEL

COOKSLEY ANDREW

Latest standardized assignees - inventors removed

CENTOR DESIGN

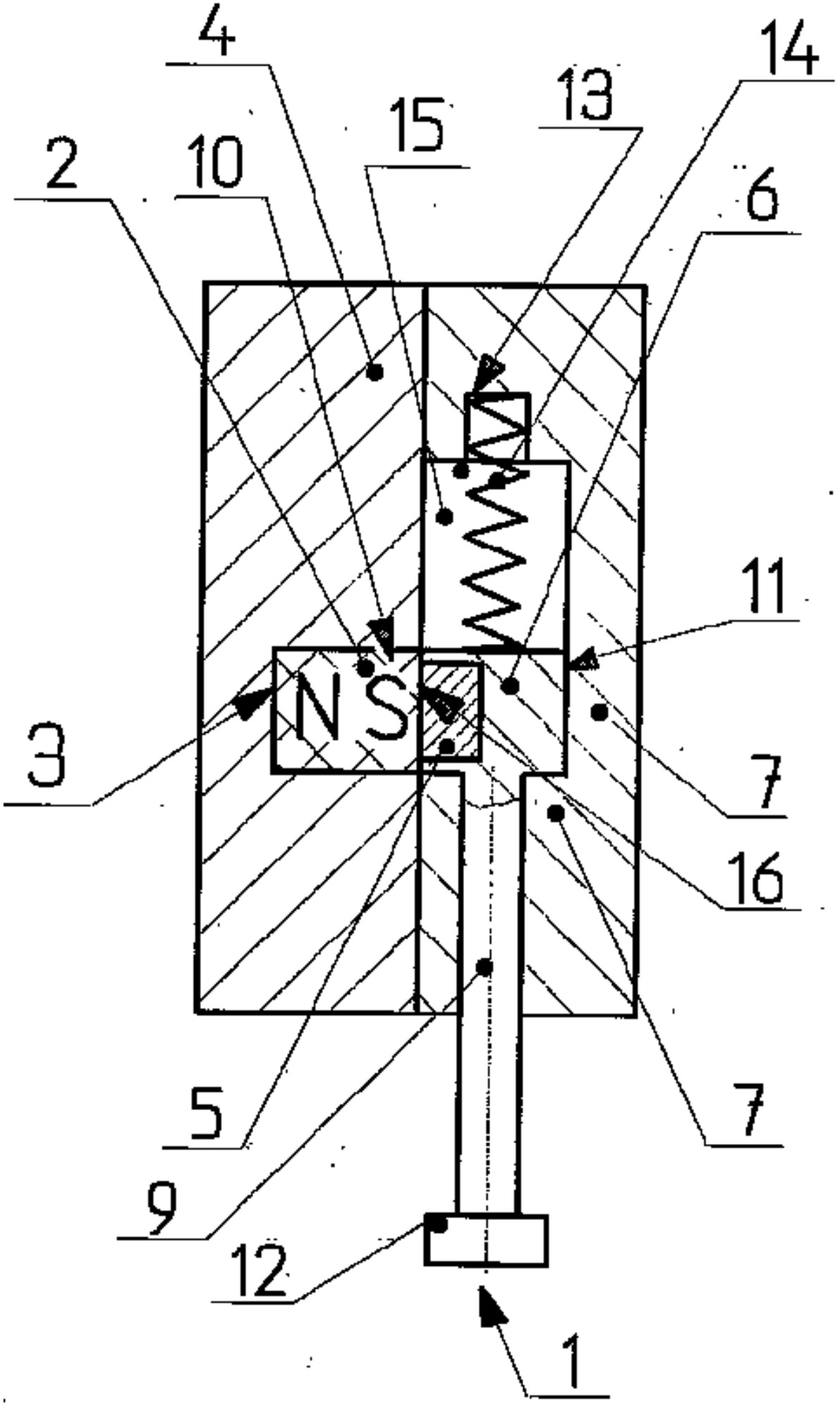
Family 118/200 - FAMPAT - ©Questel

Title

(DE19642071)

Magnetic closure system

Images


4
14
13
15
2
10
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16
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1

Publication data including kind & date

DE19642071	C2	1999-02-18	DE19642071
DE19642071	A1	1998-04-09	DE19642071

Abstract

(DE19642071)

The magnetic closure unit consists of a fixed permanent magnet in one connecting part and a ferromagnetic plate in the other which may be rotated or lifted away from the magnetic field to release the attractive power. A permanent magnet (10) is fixed to one of the connecting members (4) with one pole level with the surface (16). The other connecting piece (7) contains a non-magnetic carrier (6) and a ferromagnetic plate (5). When the two parts are brought together a magnetic field is established between the magnet and the plate, holding the parts in contact. The carrier (6) may be rotated about an axis (17) to one side of the magnetic field to remove the plate from the influence of the magnet, releasing the connecting bond. Other means may be used to separate the plate from the magnetic field.

Inventors

BRUCHHOLD INGO DR ING

Family 119/200 - FAMPAT - ©Questel

Title

(US5865483)

Electromechanical locking system

Images

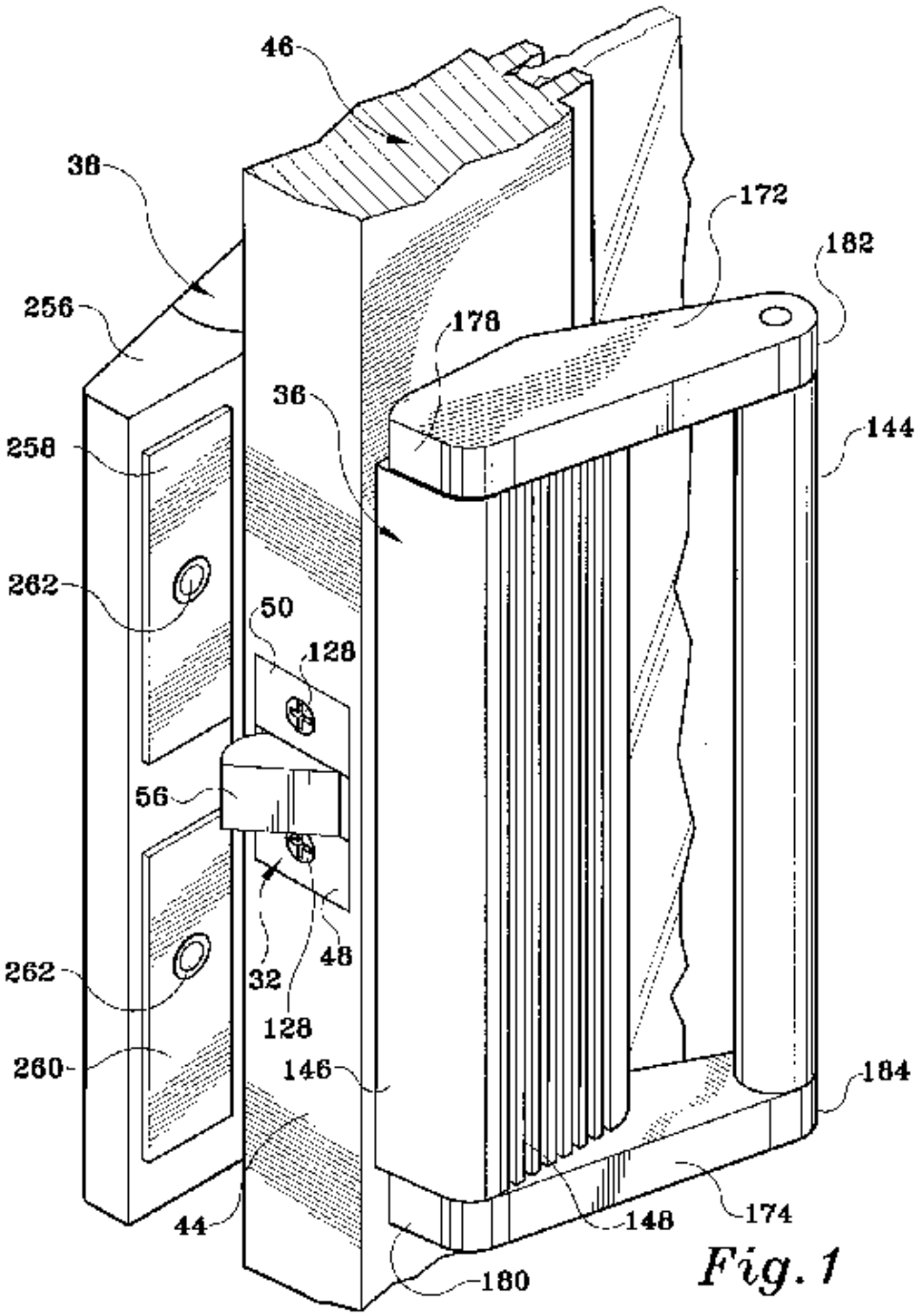


Fig. 1

Publication data including kind & date

US5865483 A 1999-02-02 US5865483

Abstract

(US5865483)

An electromagnetic door lock which uses an electromagnet in addition to a latch to maintain the door in the locked position. The lock has hinged handles that unlock the latch when they pivot. When the latch moves to an unlocked position it operates a reed switch which turns off the electromagnet. The latch can also be unlocked by a remotely controlled solenoid. Key operated locks allow only persons with a key to be able to move the pivoting handles.

Inventors

DUBRAVIN ROMAN

Latest standardized assignees - inventors removed

& L DOORS & HARDWARE

Family 120/200 - FAMPAT - ©Questel

Title

(EP3245360)

Lock

Images

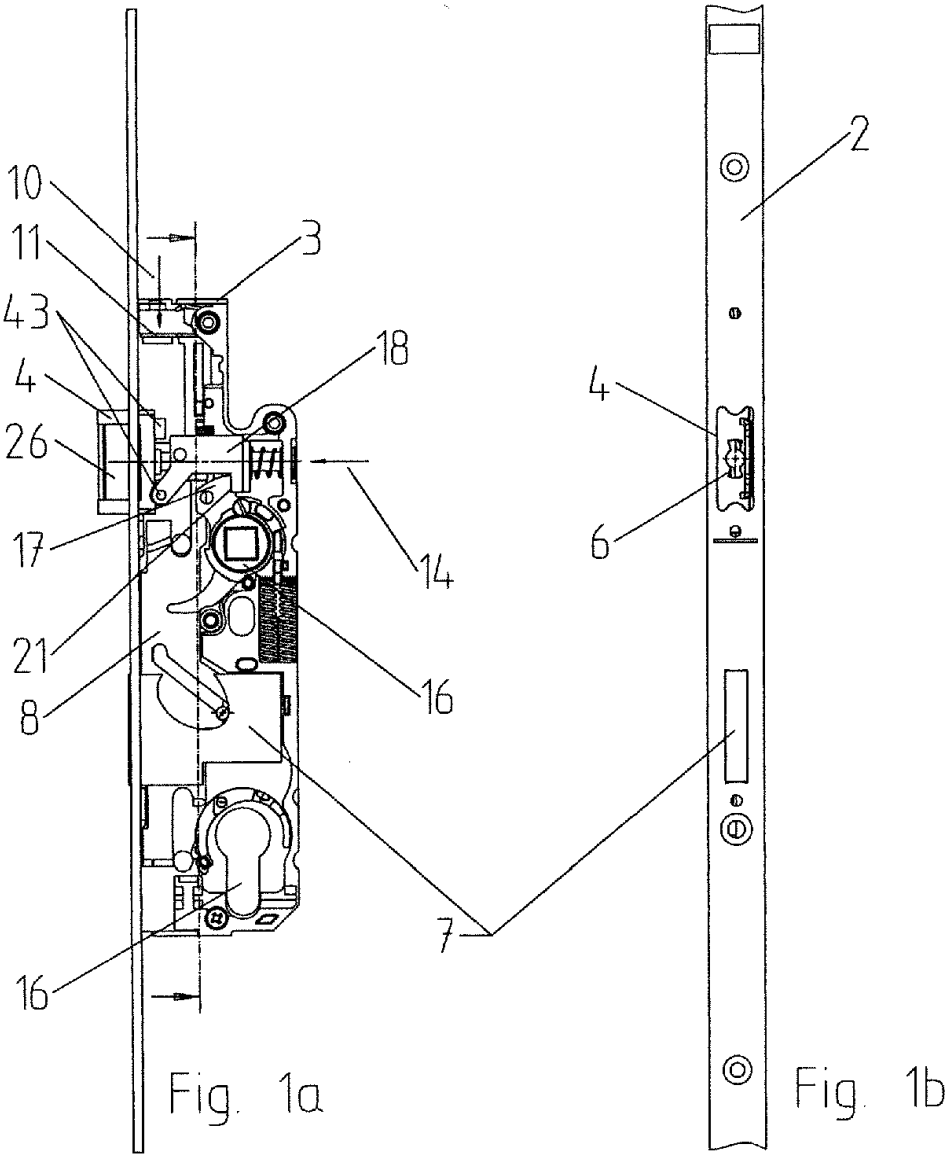


Fig. 1a

Fig. 1b

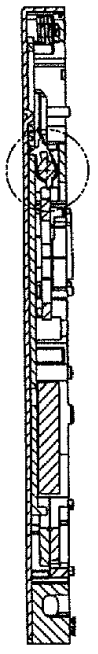


Fig. 1c

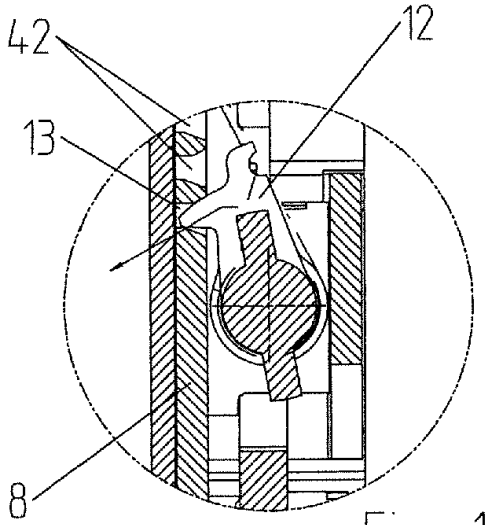


Fig. 1d

Publication data including kind & date

PL3245360	T3	2019-04-30	PL3245360
EP3245360	B1	2018-11-21	EP3245360
EP3245360	A1	2017-11-22	EP3245360
WO2016/113043	A1	2016-07-21	WO2016113043
DE202015000106	U1	2015-03-19	DE202015000106

Abstract

(EP3245360)
The invention relates to an automatic lock (1) for doors or the like, having a latch (6) which is subject to the action of a latch spring (19), projects beyond the lock-case front (2), by way of its end-side latch slope (24) on a latch head (31), when the door leaf is open and carries an arresting element (12) for arresting a driving-rod slide (8), which is forced into its arresting position, wherein the driving-rod slide (8) controls at least one bolt (7) in the locked position of the same, and wherein the driving-rod slide (8) is released, and the bolts (7) pass into the locked position, by virtue of a trigger (26) of the arresting element (12), said trigger projecting on the lock-case-front side, striking against the striking plate. In order to provide the lock with a straightforward construction which ensures reliable operation, provision is made for the trigger (26) to pivot a shaft (20), which is mounted parallel to the latch-displacement direction (14), and for the shaft (20) to be assigned the arresting element (12) for the driving-rod slide.

Inventors

FELSER MATTHIAS

Latest standardized assignees - inventors removed

KFV KARL FLIETHER

Family 121/200 - FAMPAT - ©Questel

Title

(DE4337426)
Method and device for preventing access to a protected security area which can be locked by means of a door

Images

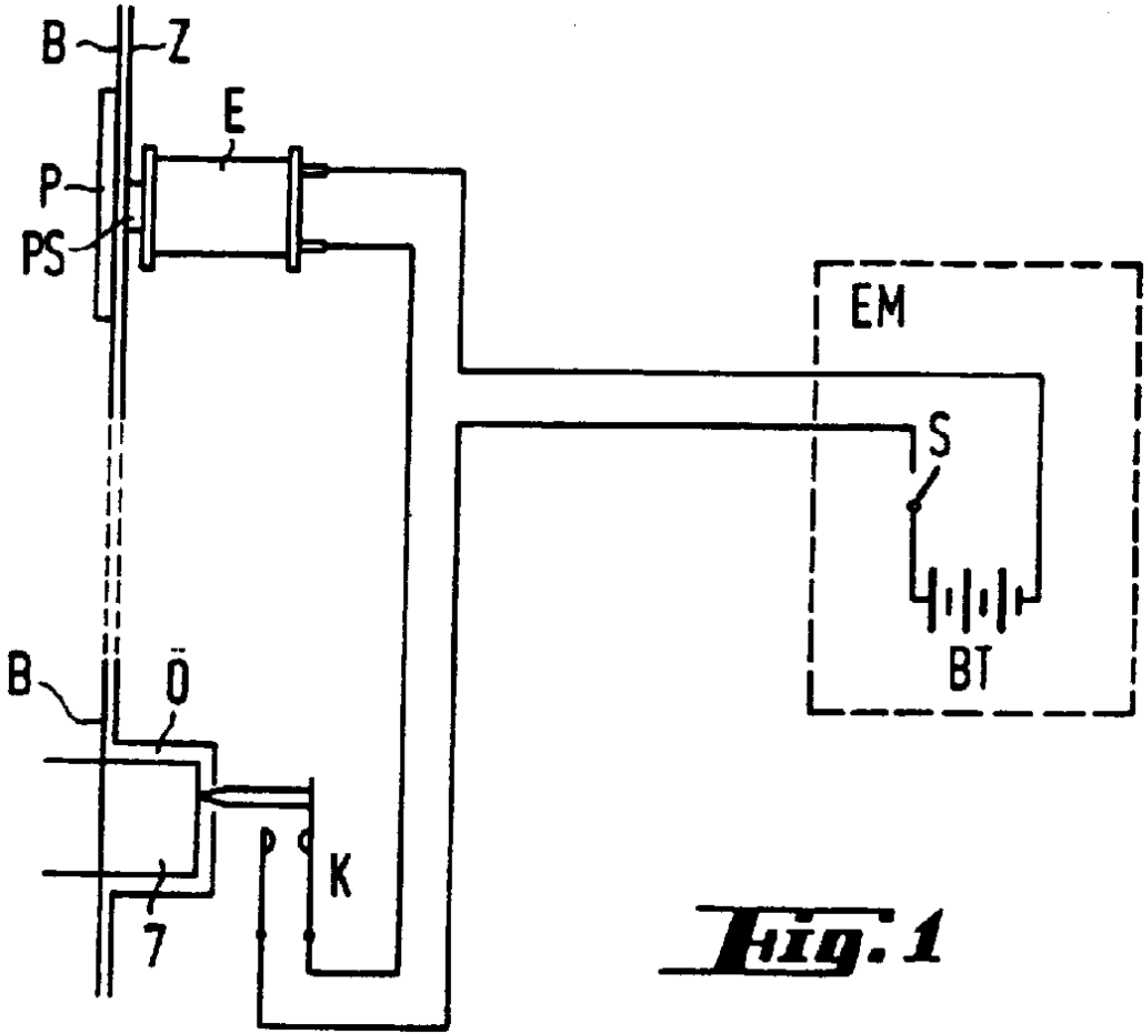


Fig. 1

Publication data including kind & date

DE4337426	C2	2003-04-30	DE4337426
DE4337426	A1	1995-05-04	DE4337426

Abstract

(DE4337426)

Mounted on a door leaf (B) is a metal pole plate (P) which, in the closed state of the door, is flush with the pole shoe (PS) of an electromagnet (E) mounted in the door casing (door framework, back) (Z). The catch (F) of the lock mounted in the door leaf (B) actuates a catch contact (K) located in an opening (Ö) in the door casing (Z) when the handle or the key of said lock is actuated, with the result that, in the armed state of the burglary alarm system (EM), that is to say when the switch (S) is closed, the electromagnet (E) receives a corresponding current, whereby the metal pole plate (P) is held by the pole shoe (PS) of the electromagnet (E). Using the device according to the invention, the door is held in the closed state in the armed state of the burglary alarm installation (EM) even when it is attempted to open said door by actuating the door handle or the key.

Inventors

ARNDT KURT

THEILIG FRANK

Latest standardized assignees - inventors removed

ROBERT BOSCH

Family 122/200 - FAMPAT - ©Questel

Title

(US5944368)

Door knob holding device

Images

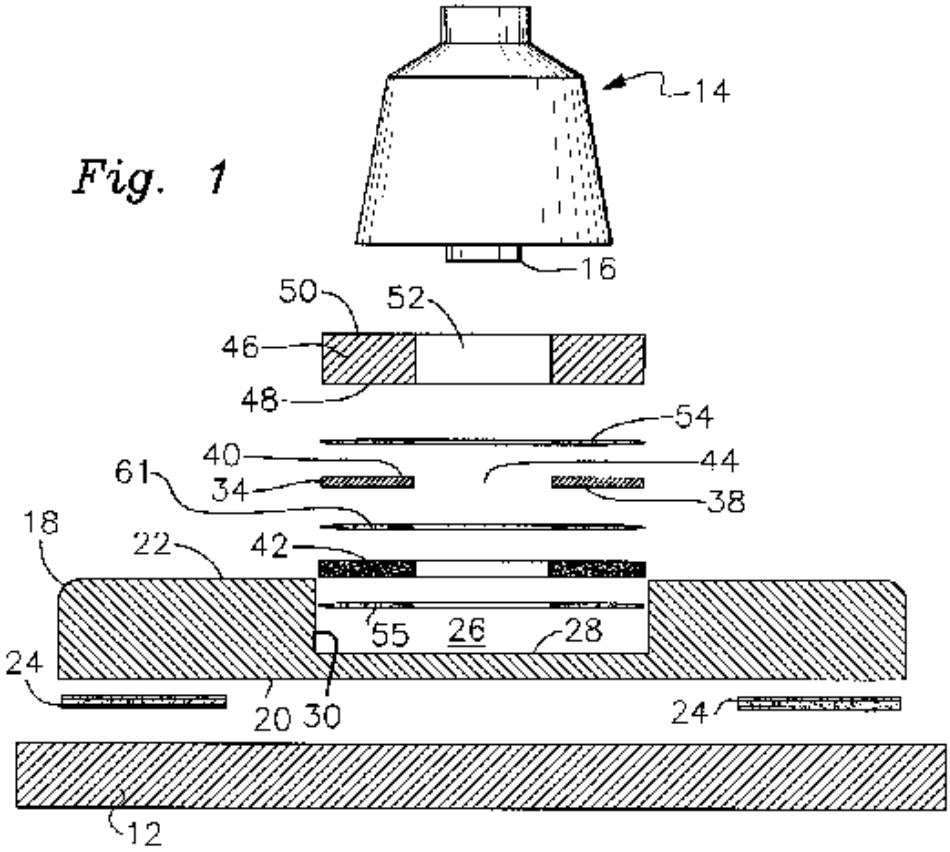


Fig. 1

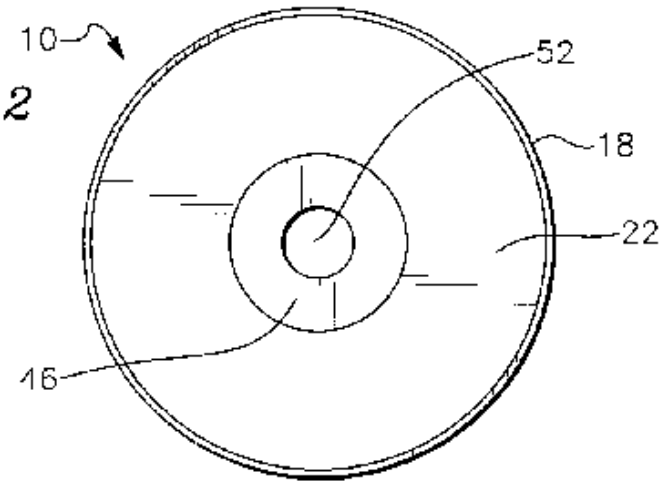


Fig. 2

Publication data including kind & date

US5944368 A 1999-08-31 US5944368

Abstract

(US5944368)

A door holding device for catching and holding a door in an open position against an adjacent wall is provided. The door has a magnetically attractive door knob mounted thereon. The device comprises a mounting base mounted to the adjacent wall at an elevation substantially equal to the elevation of the door knob. A magnet is secured to the mounting base for coacting with the door knob of the door, wherein upon the door opening from a closed position to a point nearingly adjacent the adjacent wall, the magnet means coacting with the door knob thereby catching the door knob and holding the door in the open position.

Inventors

HASTINGS MARK S

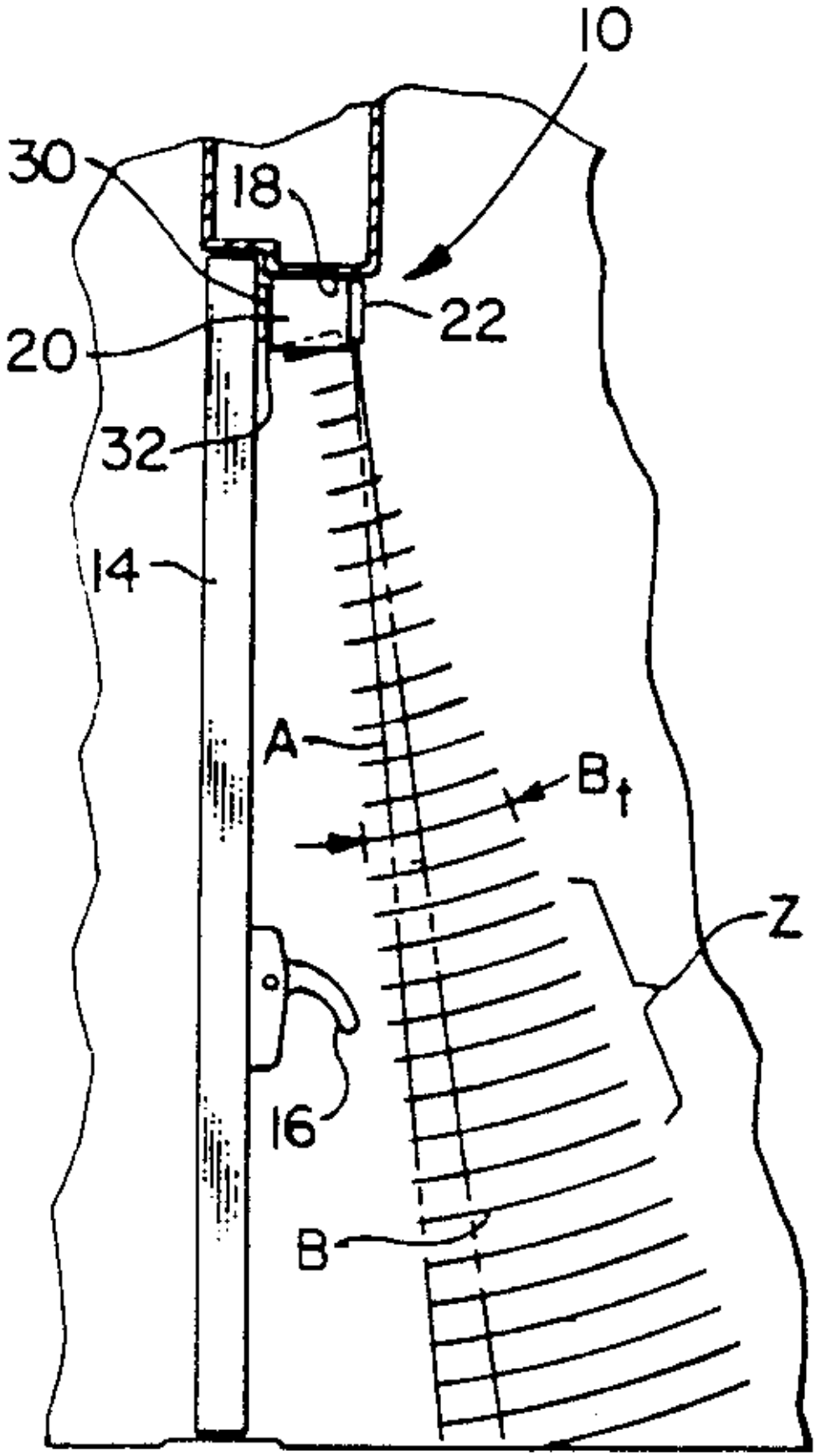
Family 123/200 - FAMPAT - ©Questel

Title

(US4893852)

Dual sensor electromagnetic door lock system

Images



Publication data including kind & date

US4893852 A 1990-01-16 US4893852

Abstract

(US4893852)

An electromagnetic lock which mounts at the top of a door frame and magnetically bonds with an armature employs both an ultrasonic sensor and a passive infrared sensor to detect the approach of an individual at the doorway. Both the ultrasonic sensor and the passive infrared detector have fan-shaped sensing regions which are positioned forwardly from the doorway. Upon detection of an individual approaching the doorway, the lock is capable of automatically releasing to allow egress through the doorway.

Inventors

HARRIS DANIEL J

GLADYCH RICHARD W

Latest standardized assignees - inventors removed

HAWWOR PRODUCTS

FLEET CAPITAL

SCHLAGE

SHAWMUT CAPITAL

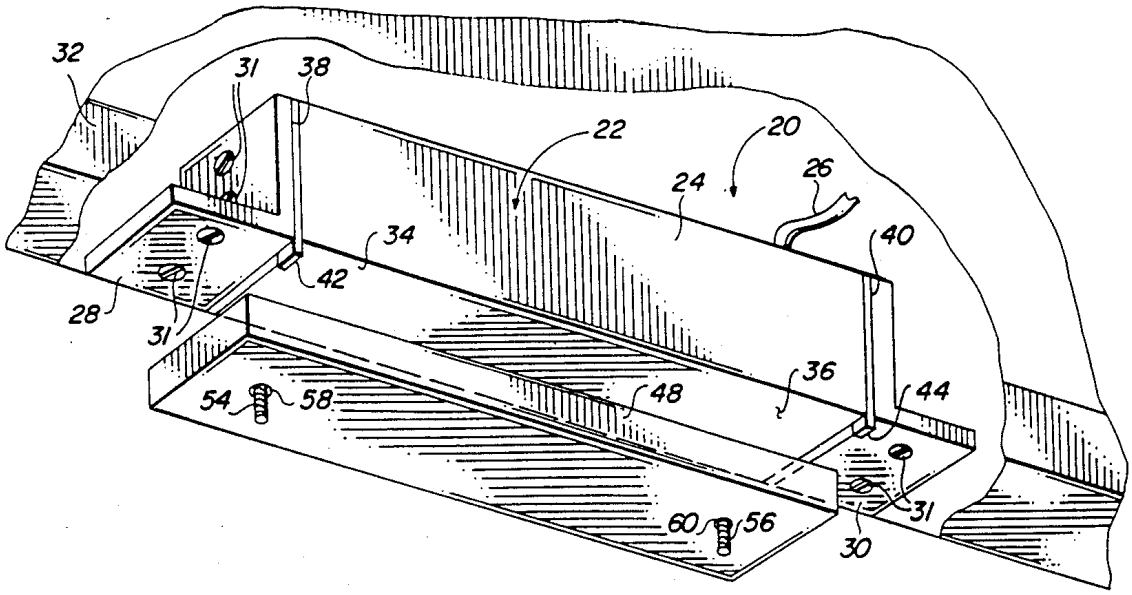
Family 124/200 - FAMPAT - ©Questel

Title

(US4826223)

Electromagnetic door lock device

Images



Publication data including kind & date

US4826223 A 1989-05-02 US4826223

Abstract

(US4826223)

The device includes an electromagnet, a bracket for holding the electromagnet in a door frame to force the opening therein, an electrical conduit for connecting the electromagnet to a power source, an armature magnetically attracted to the electromagnet when the latter is energized, a connector for holding the armature on a door edge in the frame for adjustable movement towards the electromagnet and a lock component for the device. The lock component comprises one or more ledges at the periphery of the electromagnet and/or armature pair projecting towards and engageable with the other(s) of the pair when the armature is magnetically attracted to the energized electromagnet. This occurs when the armature and electromagnetic are in line with each other, the armature being free to move toward the electromagnet. Unlocking is effected by deenergizing the electromagnet and allowing the armature to retract by gravity or spring action, so that the lock component also moves out of the descirbed engagement. The device is simple, durable and effective.

Inventors

GERINGER ARTHUR V
GERINGER RICHARD G
GERINGER DAVID A

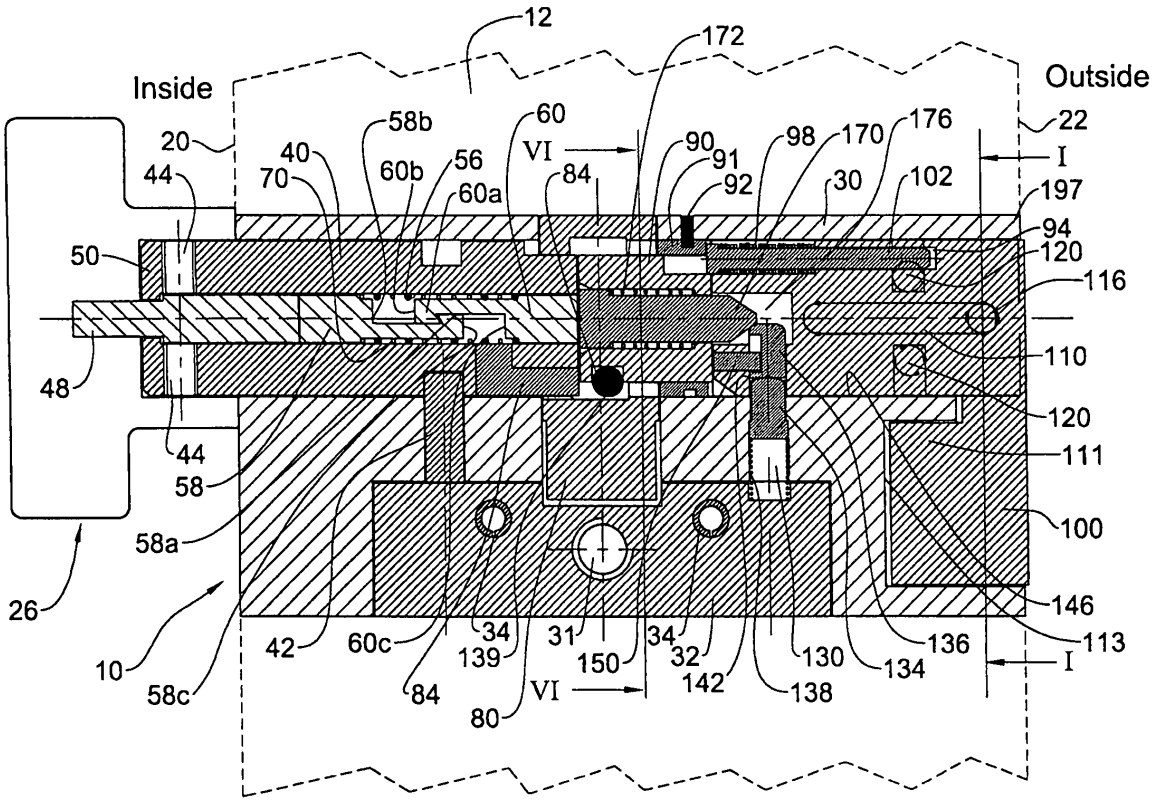
Family 125/200 - FAMPAT - ©Questel

Title

(EP2529069)

Door cylinder lock

Images



Publication data including kind & date

IL220358	B	2015-01-29	IL-220358
BR112012018508	A1	2013-12-31	BR112012018508
IN1961/MUMNP/2012	A	2013-11-29	IN2012MN01961
US8544302	B2	2013-10-01	US8544302
US20120324969	A1	2012-12-27	US20120324969
EP2529069	A1	2012-12-05	EP2529069
CN102741490	A	2012-10-17	CN102741490
IL220358	A	2012-08-30	IL-220358
WO2011/089612	A4	2011-10-13	WO201189612
WO2011/089612	A1	2011-07-28	WO201189612

Abstract

(EP2529069)

The presently disclosed subject matter is directed towards an anti -vandalism electronic cylinder lock (10). The lock comprising a cylinder housing (30), an electronic cylinder lock mechanism, an inside knob (26), and an outside knob (100), the outside knob (100) being configured for assuming a first non - accessible, non - operable, retracted position, and a second, accessible operative position, in which the outside knob (100) projects from the cylinder housing (30).

Inventors

GOLDMAN ILAN

Latest standardized assignees - inventors removed

KNOCK N LOCK

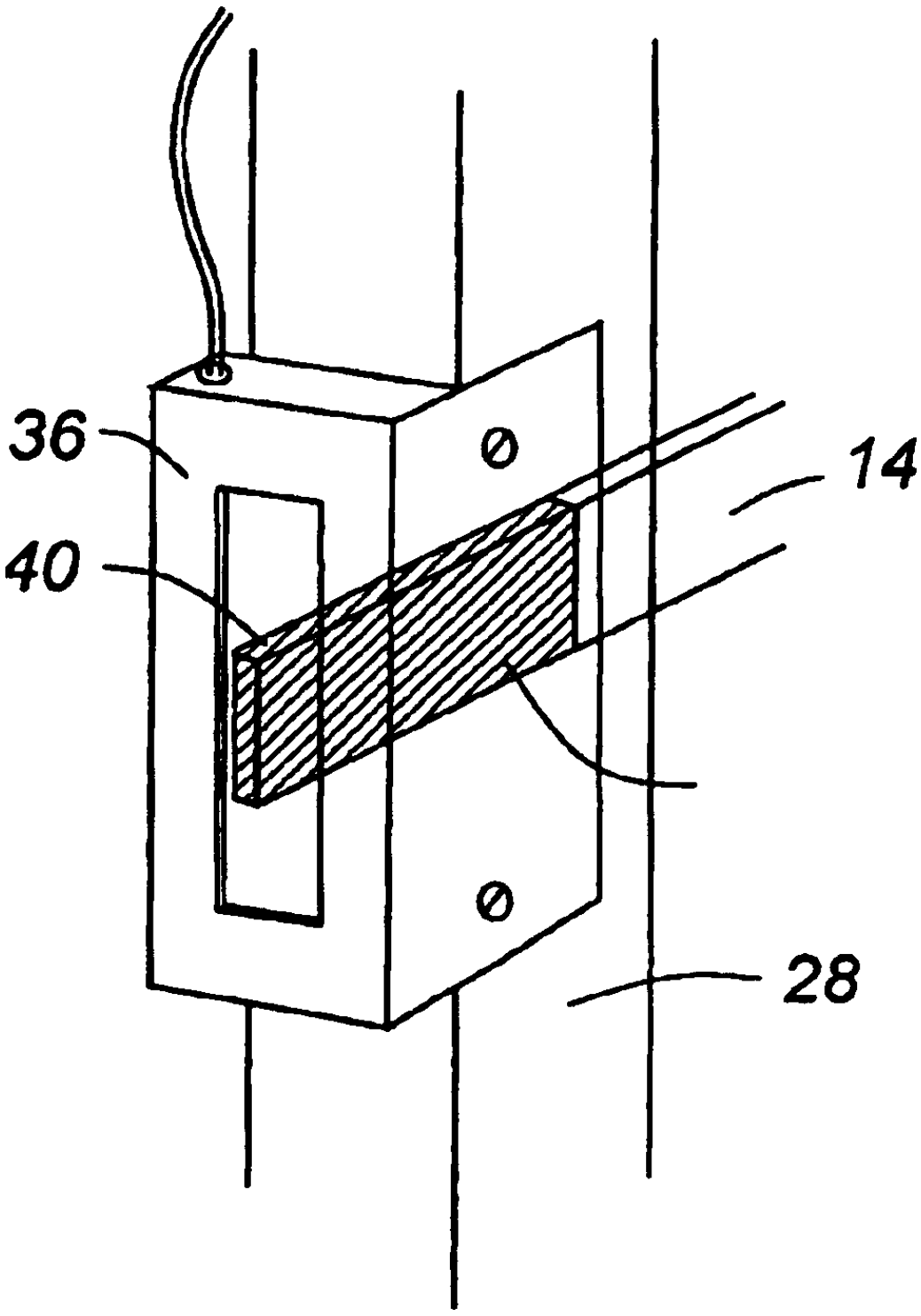
Family 126/200 - FAMPAT - ©Questel

Title

(US6893060)

Door latch for alarm system

Images



Publication data including kind & date

US6893060	B2	2005-05-17	US6893060
US20030164615	A1	2003-09-04	US20030164615

Abstract

(US20030164615)

Door-lock hardware is constructed of corrosion-resistant material such as stainless steel. Such a material lacks magnetic properties to permit use in association with magnetic switches coupled to signal alarm and security systems. However, according to the preferred embodiment of the invention, a door latch of stainless steel or other non-magnetic material includes a ferrous-coated tongue portion to maintain compatibility with such monitors and alarms while providing a higher level of rust- and corrosion-resistance.

Inventors

NG WILLIAM

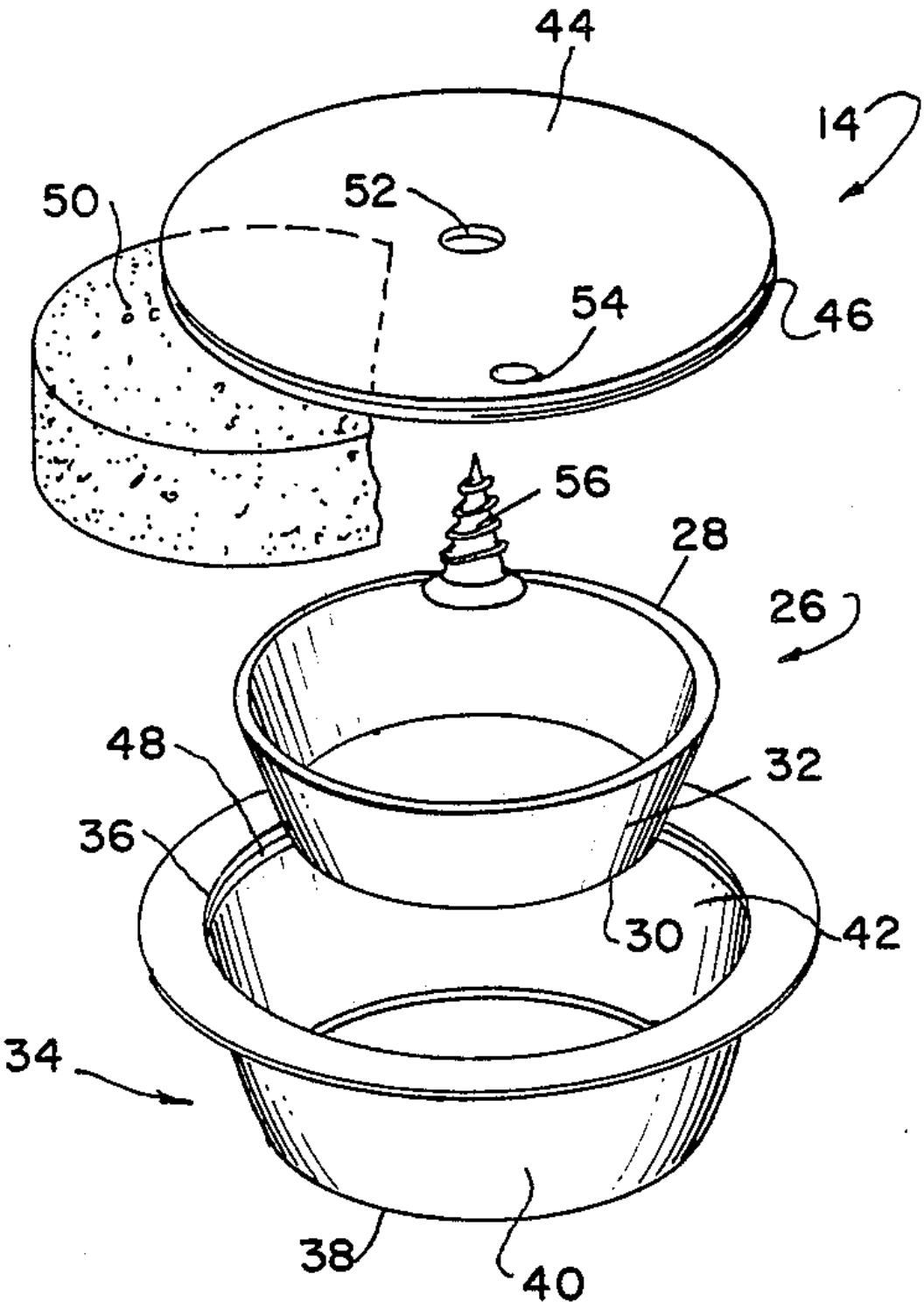
Family 127/200 - FAMPAT - ©Questel

Title

(US4505502)

Magnetic door catch

Images



Publication data including kind & date

US4505502 A 1985-03-19 US4505502

Abstract

(US4505502)

A magnetic catch holds a door in the open position. A cup-shaped metal element is supported for universal rotary motion in a plastic housing mounted on the door. A flat end of the element projects through an open end of the housing and contacts the exposed edge of a rectangular permanent magnet when the door is opened. The magnet is sandwiched between steel plates supported in the rectangular cavity of a plastic housing which is mounted on the floor or wall adjacent the door. A foam cushion resiliently biases the metal element away from the door. The magnet housing is supported on a hollow pedestal extending from a base. Mounting screws are stored inside the pedestal. Threaded plates screwed to the door and wall or floor mesh with threaded open ends of the metal element housing and the pedestal base respectively.

Inventors

TOMITA RIOE

Family 128/200 - FAMPAT - ©Questel

Title

(EP1203860)

Door leaf with automatic security locking system

Images

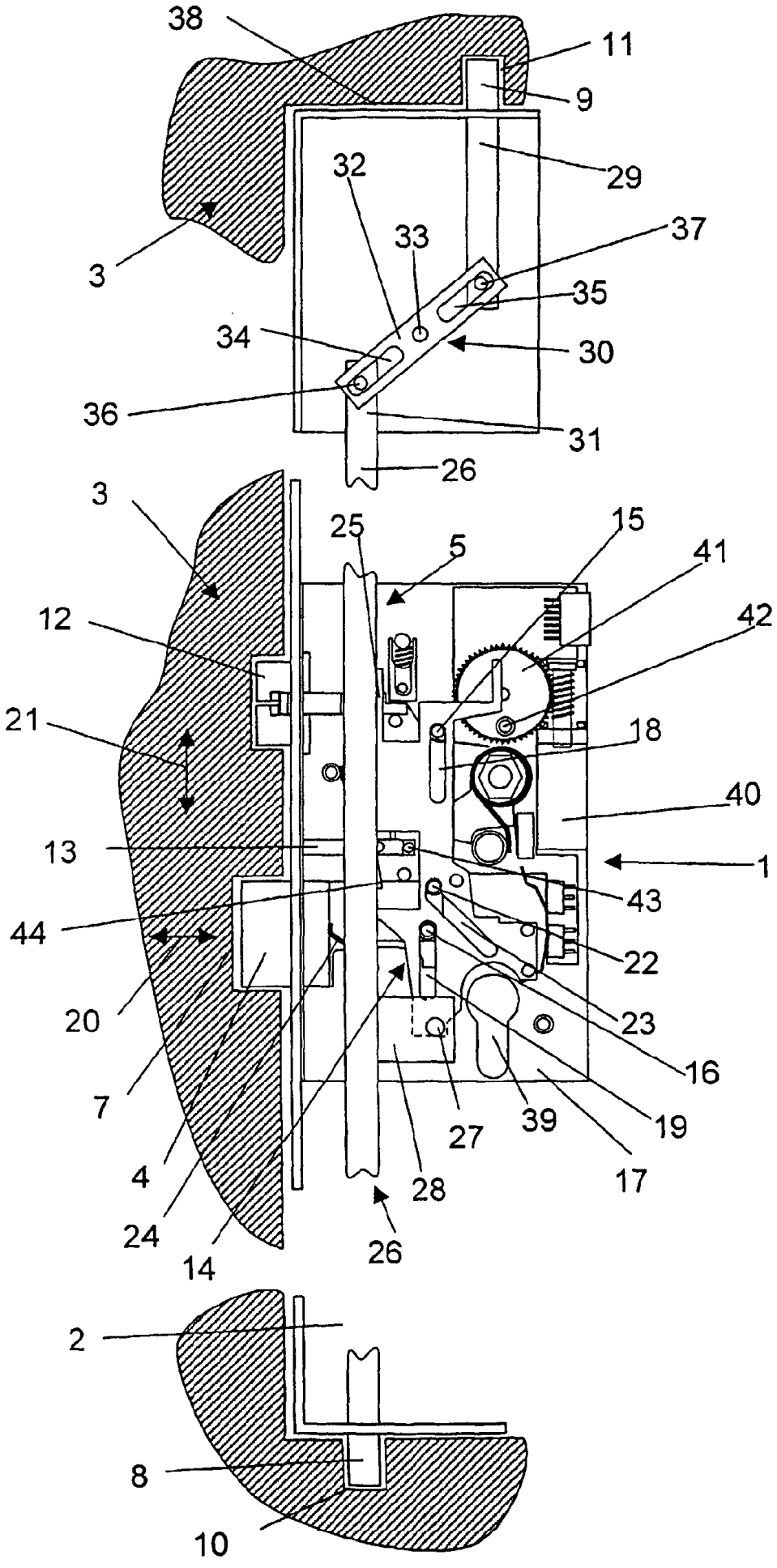


Fig. 1

Publication data including kind & date

DE60118862	T2	2006-10-12	DE60118862
DE60118862	D1	2006-05-24	DE60118862
AT323814	T	2006-05-15	ATE323814
EP1203860	B1	2006-04-19	EP1203860
DE1203860	T1	2002-11-14	DE1203860T
EP1203860	A1	2002-05-08	EP1203860
LU90671	A1	2002-05-07	LU--90671

Abstract

(EP1203860)

When the door is closed a contact finger (13) allows an operating plate (14) to fall under the action of a blade spring (24). The movement of the plate closes the principal dead latch (4) by the action of a pin and slot (22,23) and also closes the auxiliary latches (8,9) through operating rods (26,29) and an inverting mechanism (30). The door is opened either by a key or motor (40) which raises the operating plate and recharges the spring.

Inventors

HUDSON PETER L P

Latest standardized assignees - inventors removed

MULTIMET

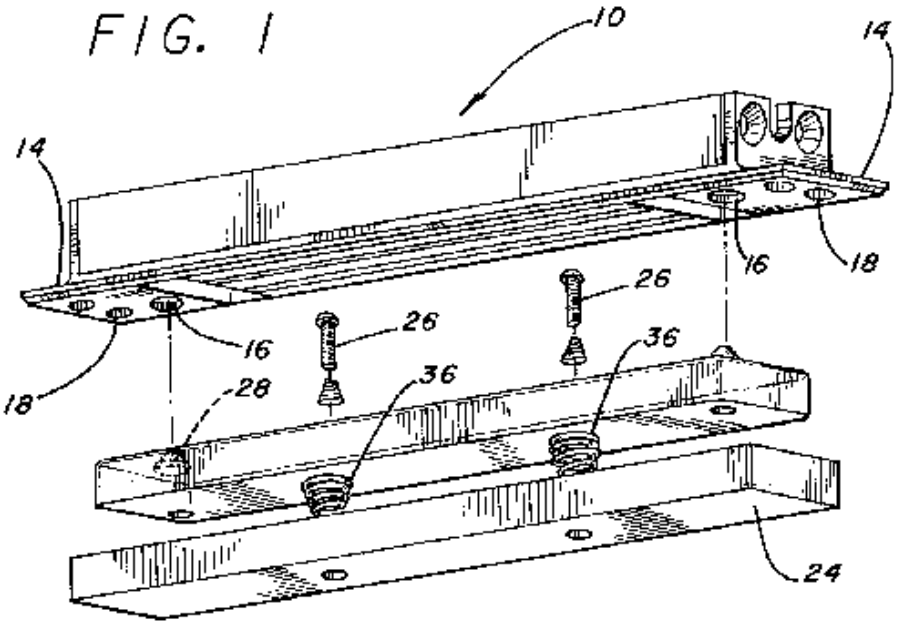
Family 129/200 - FAMPAT - ©Questel

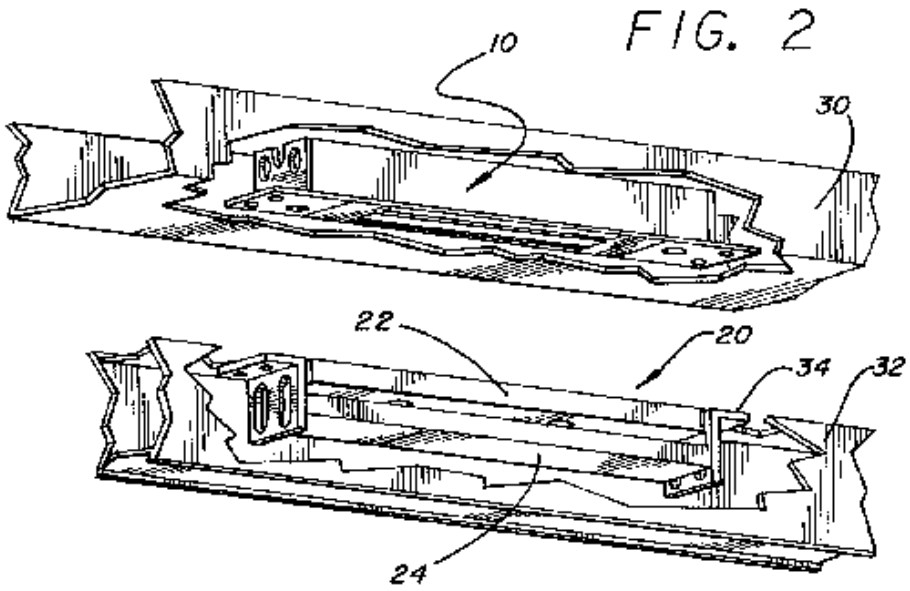
Title

(EP1021633)

Multi-directional self-aligning shear type electromagnetic lock

Images





Publication data including kind & date

DE69828422	T2	2005-05-25	DE69828422
DE69828422	D1	2005-02-03	DE69828422
AT286190	T	2005-01-15	ATE286190
EP1021633	B1	2004-12-29	EP1021633
CN1174156	C	2004-11-03	CN1174156C
AU741880	B2	2001-12-13	AU-741880
CN1285891	A	2001-02-28	CN1285891
US6135515	A	2000-10-24	US6135515
EP1021633	A1	2000-07-26	EP1021633
US6007119	A	1999-12-28	US6007119

AU9379098	A	1999-04-27	AU9893790
WO99/18315	A1	1999-04-15	WO9918315

Abstract

(EP1021633)

A share type electromagnetic lock is disclosed whose armature (22) can approach the electromagnet (10) from any transverse direction, which can be mounted in any orientation with respect to gravity, and which does not require any door position sensing means. The armature includes a pair of standoffs (28) in the form of conically projecting buttons affixed thereto, the buttons projecting from the plane of contact between the armature (22) and the electromagnet (10). The buttons (28) have a base angle of 60-80 degrees adjacent the armature, and an angle of 45 degrees distal from the armature, and terminate in a smoothly rounded point. The armature is mounted to a sub-plate (24) via counteracting springs (36 and 38) such that the armature "floats" on the sub-plate, with the distance between the armature and the sub-plate being adjustable via adjusting screws (26). A matching electromagnet assembly (10) for mounting to a door frame includes matching conical depressions (16) positionally corresponding to the conical buttons such that the buttons (28) seat into the depressions (16) when the armature (22) and electromagnet (10) are properly aligned. The buttons (28) and recesses (16) are arranged in a staggered pattern.

Inventors

ROTH THOMAS E

FRALLICCIARDI VINCENT J

Latest standardized assignees - inventors removed

HANCHETT ENTRY SYSTEMS

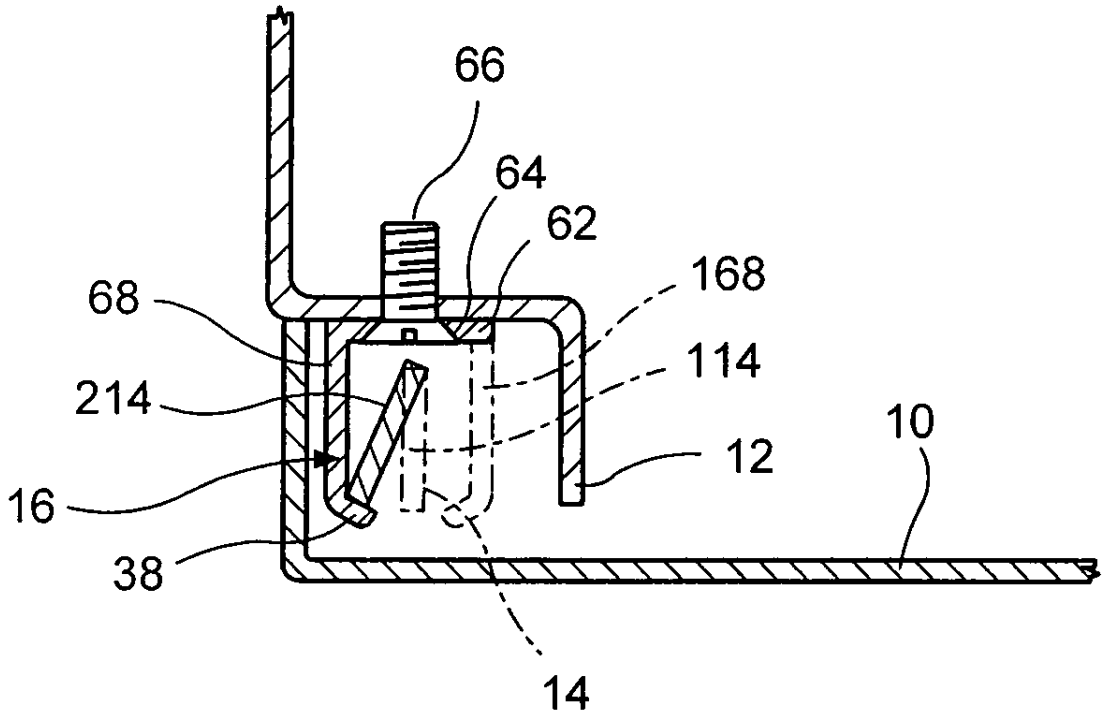
Family 130/200 - FAMPAT - ©Questel

Title

(WO200304814)

Bolt with a handle

Images



Publication data including kind & date

DE10292961	B4	2012-04-26	DE10292961
CN100353018	C	2007-12-05	CN100353018C
US7261343			

	B2	2007-08-28	US7261343
US20050001436	A1	2005-01-06	US20050001436
CN1541297	A	2004-10-27	CN1541297
DE10292961	D2	2004-04-15	DE10292961
WO03/004814	B1	2003-04-03	WO200304814
WO03/004814	A1	2003-01-16	WO200304814
DE20108954	U1	2002-10-10	DE20108954

Abstract

(WO03/004814)

The invention relates to a bolt with a handle for bolting sheet metal cabinet doors (10) or similar doors or lids. Said bolt with a handle comprises an elongated, profiled bolt, such as a flat strip bolt (14), which is arranged in an essentially upright position, parallel to the edge of the door, preferably within the locking area, and at least one holding element (16) which is mounted on the door frame (12) to receive the bolt (14) which locks to the door in the closed position, and an operating device for the bolt (14), which is connected to the door leaf. According to the invention, the bolt (14), or a more complicated profiled bolt, is mounted to pivot between a locked and unlocked position about a longitudinal axis which is arranged next to the side which is oriented away from the plane of the door leaf. Said holding element (16) forms a bearing surface for the other side of the bolt (14) which is oriented towards the plane of the door leaf, and the operating device holds the bolt (14) near this side.

Inventors

RAMSAUER DIETER

Latest standardized assignees - inventors removed

RAMSAUER DIETER

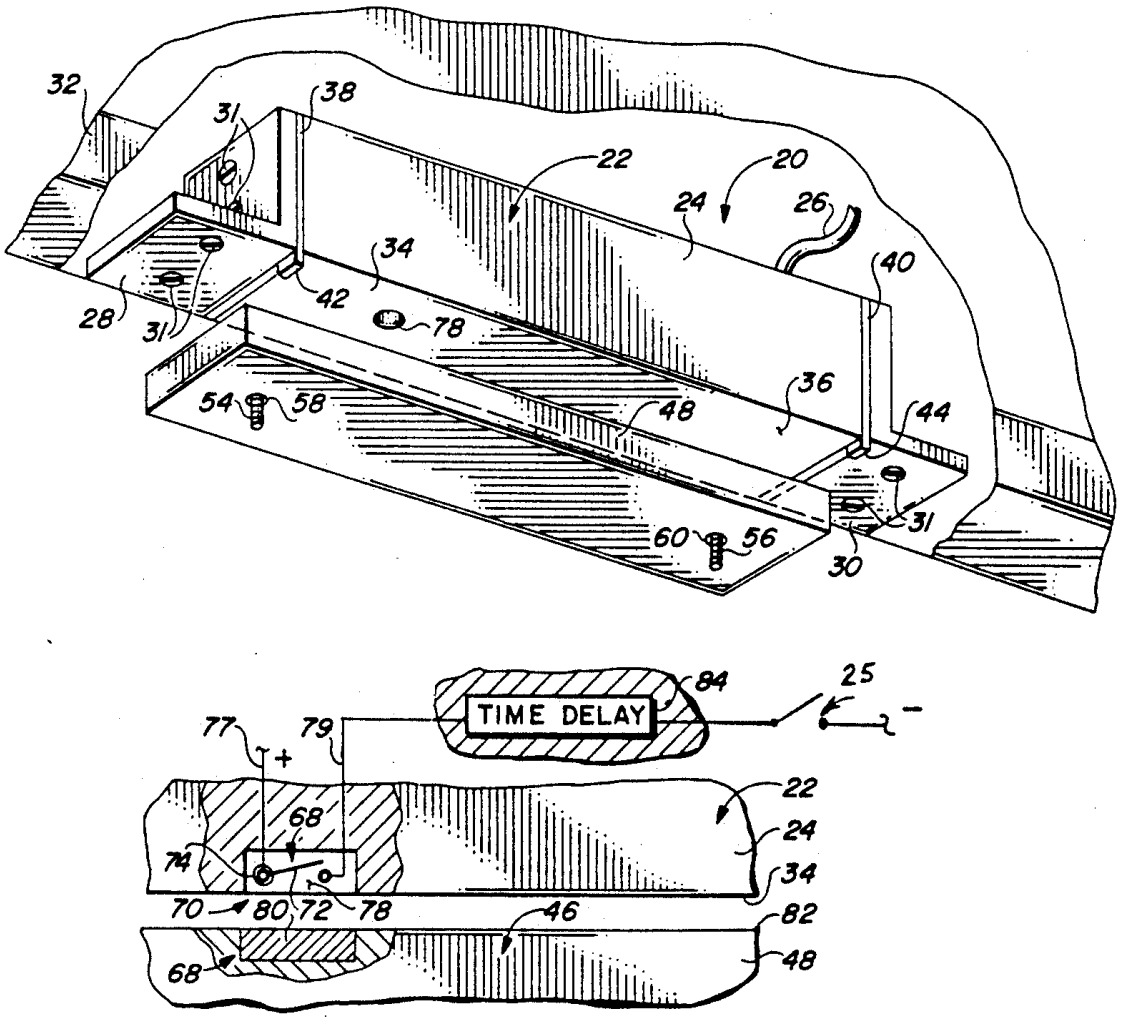
Family 131/200 - FAMPAT - ©Questel

Title

(US5141271)

Alignment device for electromagnetic door lock

Images



Publication data including kind & date

US5141271 A 1992-08-25 US5141271

Abstract

(US5141271)

The device includes an electromagnet securing means for holding the electromagnet in a door frame, an electrical conduit connecting the electromagnet to a power source, an armature magnetically attracted to the electromagnet when the latter is energized, and a connector for holding the armature on a door edge for adjustable movement towards the electromagnet. When the armature and electromagnet are in line with each other, the armature is free to move toward the electromagnet. Unlocking is effected by deenergizing the electromagnet and allowing the armature to retract by gravity or spring action, so that the lock component also moves out of the desired engagement. A switch in the bottom of the electromagnet is normally open but is magnetically attracted into the closed position only when the armature is fully aligned therewith by a magnet located in or near the armature. A time delay circuit may be connected to the switch.

Inventors

GERINGER ARTHUR
GERINGER RICHARD
GERINGER DAVID

Latest standardized assignees - inventors removed

SECURITY DOOR CONTROLS

Family 132/200 - FAMPAT - ©Questel

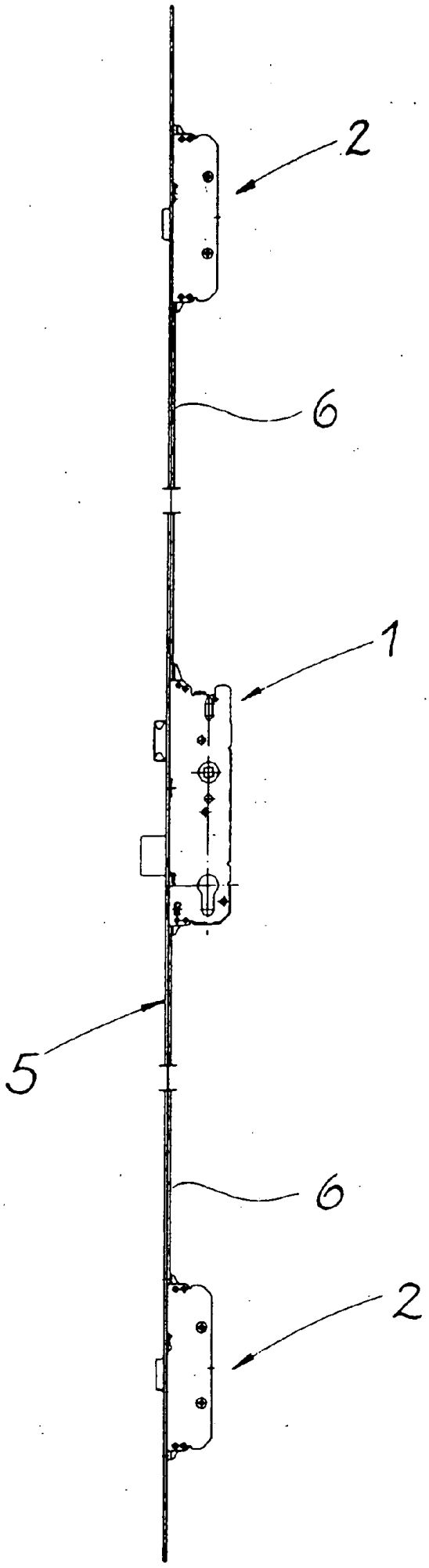
Title

(EP2096241)

Self-locking auxilliary lock

Images

Fig.1



Publication data including kind & date

PL2096241	T3	2017-04-28	PL2096241
EP2096241	B1	2016-11-23	EP2096241
EP2096241	A3	2013-03-06	EP2096241
DE102008011551	B4	2013-01-17	DE102008011551
DE102008011551	A1	2009-09-10	DE102008011551
EP2096241	A2	2009-09-02	EP2096241

Abstract

(EP2096241)

The locking unit (2) has a lock housing (22) mounted on a door wing, for example at a lock sliding (5). A lock chain (4) is held by a locking element in a releasing condition and a releasing magnet is arranged in or at a door frame sided lock assigned to the locking unit. A locking element is formed as an adjustable locking pin. An independent claim is included for a driving bar lock with a central lock and an auxiliary bolting device.

Inventors

ASBECK DIRK

Latest standardized assignees - inventors removed

FUHR CARL

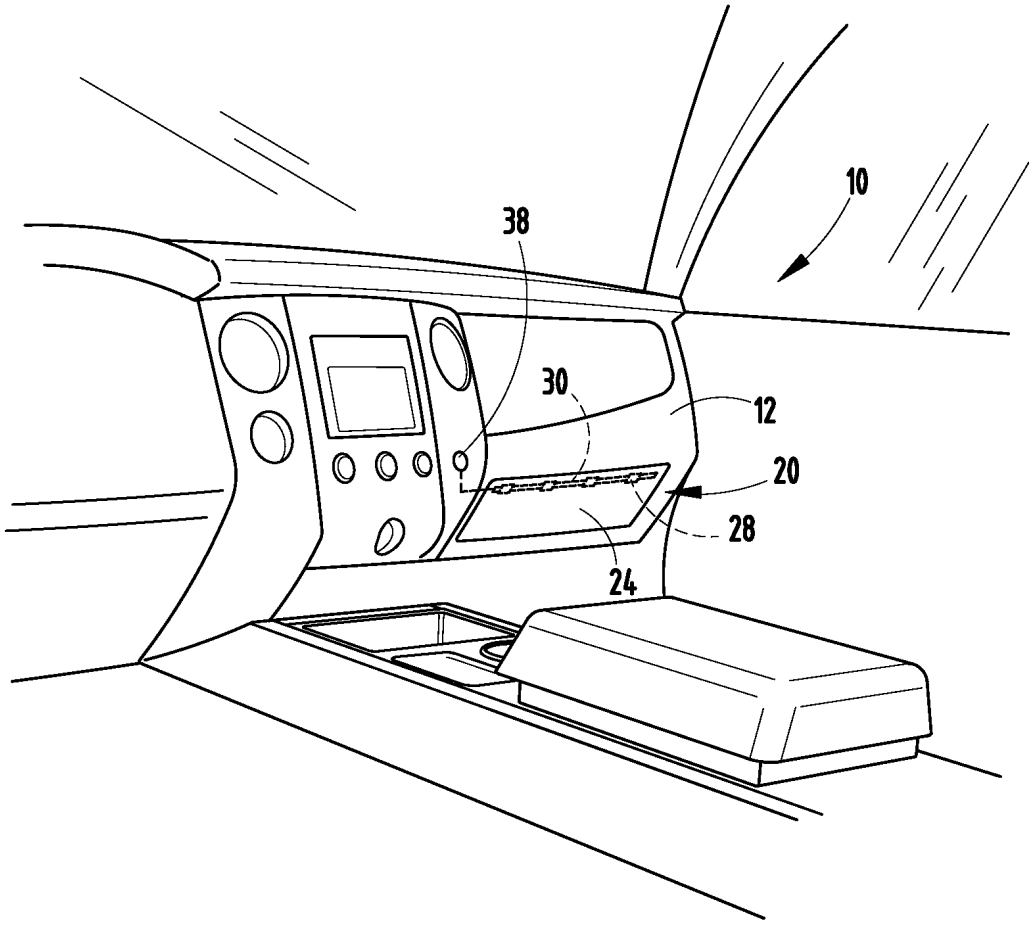
Family 133/200 - FAMPAT - ©Questel

Title

(US8215684)

Vehicle stowage assembly having electromagnetic closure

Images



Publication data including kind & date

US8449001	B2	2013-05-28	US8449001
US20120234622	A1	2012-09-20	US20120234622
US8215684	B2	2012-07-10	US8215684
CN201998904	U	2011-10-05	CN201998904U
US20110175376	A1	2011-07-21	US20110175376

Abstract

(US20110175376)

A vehicle stowage assembly is provided that includes a compartment having an opening to allow access to the opening and a door proximate the opening. A ferrous member magnets are disposed on the compartment and the door to magnetically couple the magnets to the ferrous member when the door is in the closed position. A crash sensor is provided for detecting an expected vehicle crash event. An electromagnetic coil electromagnetically is coupled to the ferrous member, wherein the coil is electrically energized by current to create a polarity on the ferrous bar to create an increased force closure to the door relative to the housing when an expected vehicle crash is detected. The coil generates an opposite polarity on the ferrous member to open the door in response to a user actuated input.

Inventors

WHITENS MICHAEL J

WEBB JEFF

MULLEN GARY D

CLARK SCOTT A

Latest standardized assignees - inventors removed

FORD GLOBAL TECHNOLOGIES

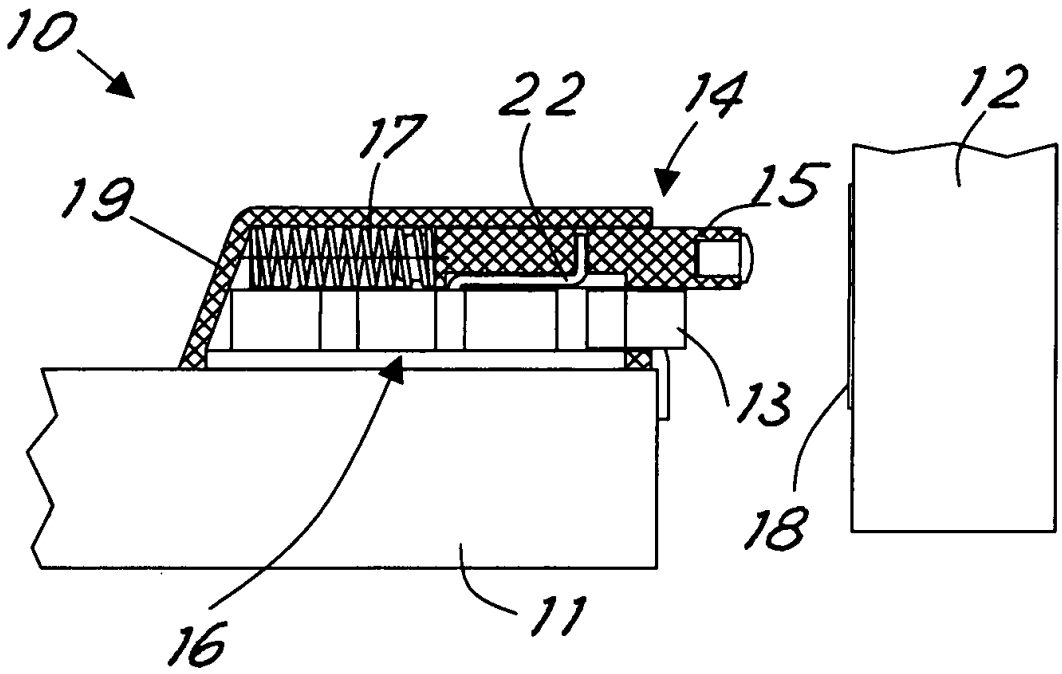
Family 134/200 - FAMPAT - ©Questel

Title

(EP1598509)

Closing device for furniture

Images



Publication data including kind & date

JP4754266	B2	2011-06-03	JP4754266
CN102061851	A	2011-05-18	CN102061851

ES2313148	T3	2009-03-01	ES2313148
DE602005009429	D1	2008-10-16	DE602005009429
EP1598509	B1	2008-09-03	EP1598509
US7273240	B2	2007-09-25	US7273240
KR20060046105	A	2006-05-17	KR20060046105
US20050268432	A1	2005-12-08	US20050268432
JP2005337006	A	2005-12-08	JP2005337006
EP1598509	A1	2005-11-23	EP1598509
CN1699719	A	2005-11-23	CN1699719
ITMI20041020	A1	2004-08-21	IT2004MI1020

Abstract

(EP1598509)

A closing device (10, 110, 210) for an opening part of a piece of furniture comprises a magnetic detent (13, 113, 213) for retention of the part in a closed position in combination with a thrust "pull-push" mechanism (14, 114, 15, 115, 214, 215) for detachment from the magnetic detent upon command, so as to cause opening of the opening part of the piece of furniture.

Inventors

MIGLI CARLO

Latest standardized assignees - inventors removed

AGOSTINO FERRARI

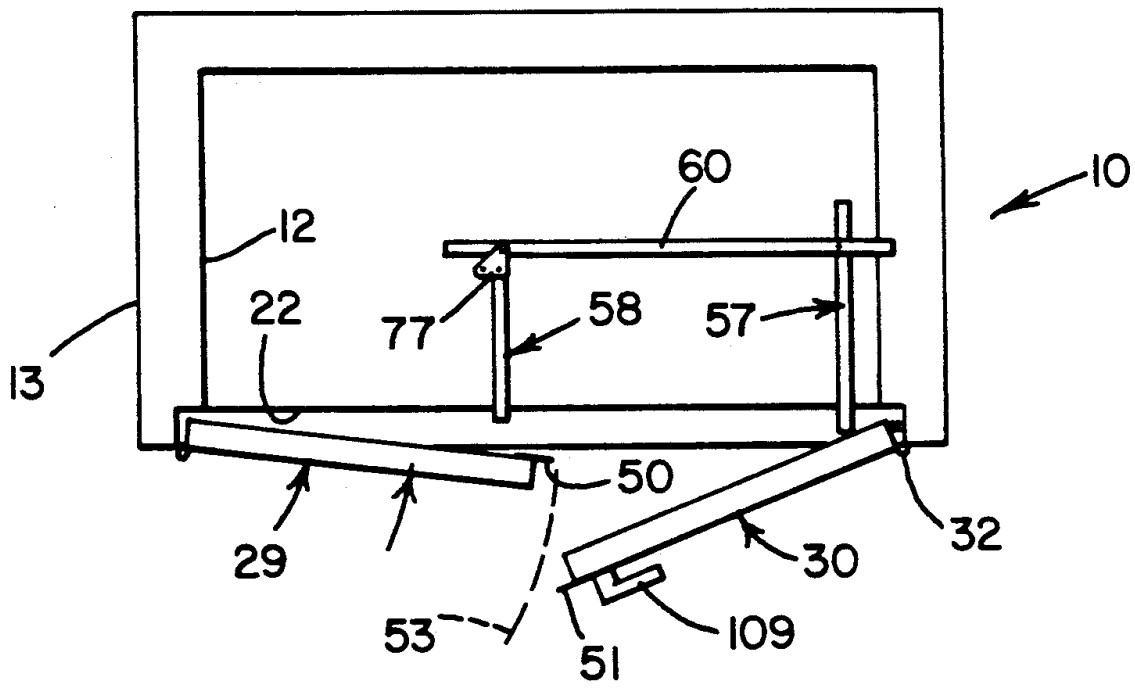
Family 135/200 - FAMPAT - ©Questel

Title

(US5061022)

Door closing mechanism

Images



Publication data including kind & date

US5061022	A	1991-10-29	US5061022

Abstract

(US5061022)

A door closure arrangement is provided for a paint cabinet or like enclosure containing combustible materials. Right and left hand doors are hinged to door jambs in the cabinet's opening and an overlapping lip is provided on one of the doors to

insure that no gap between the doors exists when the doors are closed. Door closures, held in an open position by temperature sensitive fusible links, rotate the doors from an open to a closed position should a fire melt the fusible links. A spring biased, lever actuated door sequencing mechanism insures that the doors closed in proper sequence without interference from the overlapping lip. A spring biased, lever actuated mechanism automatically latches or locks the doors when they are rotated into the closed position whereby the adverse effects of the fire on the contents of the cabinet are minimized.

Inventors

MERIWETHER JON D

Latest standardized assignees - inventors removed

LOUIS BERKMAN

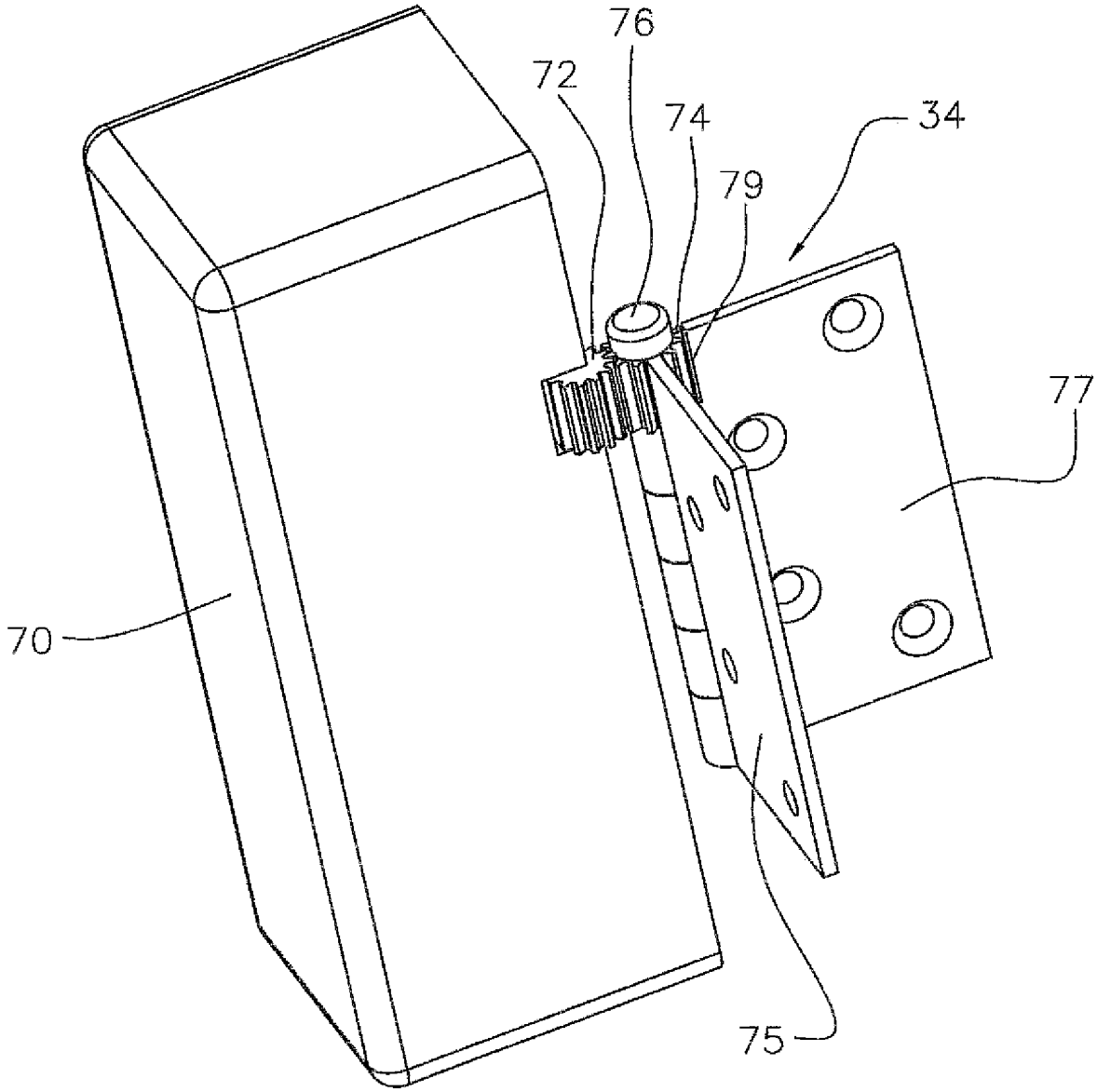
Family 136/200 - FAMPAT - ©Questel

Title

(US7522042)

Door accessory power system

Images



Publication data including kind & date

US7522042	B2	2009-04-21	US7522042
US20070268132	A1	2007-11-22	US20070268132

Abstract

(US20070268132)

A powered door accessory system generally includes a powered door accessory assembly, a generator, and a power storage device. In an embodiment, the powered door accessory assembly includes an electric drive and a driven member operatively connected to the electric drive. The generator is in electrical communication with the electric drive of the powered door accessory assembly and the power storage device. A method for operating a door accessory assembly is also disclosed.

Inventors

MILO THOMAS K

Latest standardized assignees - inventors removed

T K M UNLIMITED

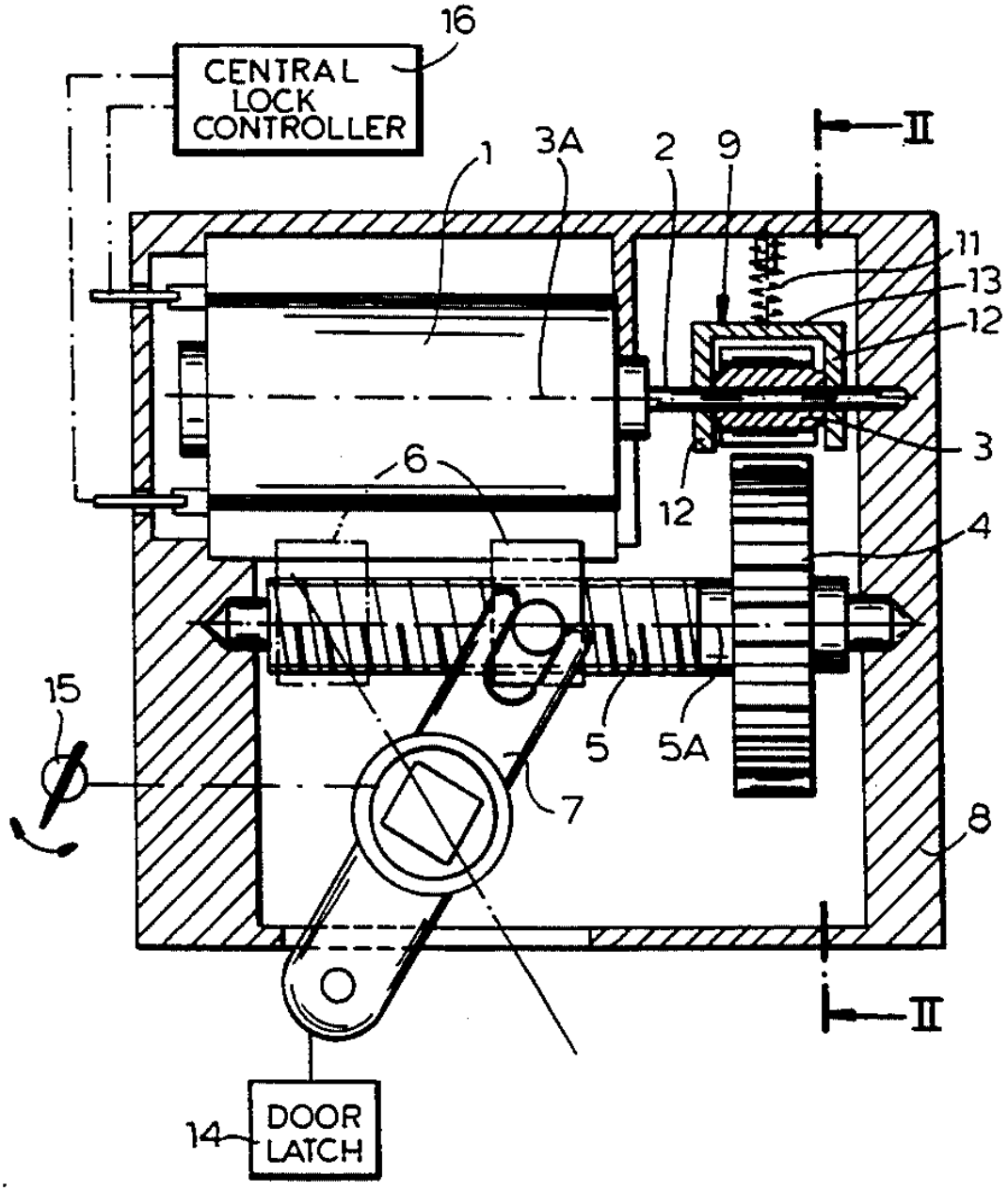
Family 137/200 - FAMPAT - ©Questel

Title

(US5441315)

Electric-motor drive for motor-vehicle central lock system

Images



Publication data including kind & date

US5441315	A	1995-08-15	US5441315
FR2693757	B1	1995-05-05	FR2693757
FR2693757	A1	1994-01-21	FR2693757
DE4223341	C1	1993-11-04	DE4223341

Abstract

(US5441315)

A power actuator used in combination with a motor-vehicle door latch movable between a locked and unlocked position has a housing, a reversible electric motor in the housing having a rotatable output shaft defining an axis, and an input gear on the shaft. A threaded output spindle spaced from the shaft in the housing carries an output gear out of mesh and out of engagement with the input gear. A nut is threaded on the spindle. An actuating element couples the nut with the latch to switch it between its positions. A support pivotal in the housing about the axis carries a pair of coupling gears in mesh with and flanking the input gear. The support is rockable about the axis from a central position in which neither of the coupling gears meshes with the output gear into a pair of end positions in each of which a respective one of the coupling gears meshes with the output gear and couples same to the input gear. The support is biased into the central position with a relatively small force such that on rotation of the input gear in either direction the biasing force is overcome and the support is rocked in the same direction into the respective end position.

Inventors

KLEEFELDT FRANK

SCHUELER ROLF

Latest standardized assignees - inventors removed

CRITIGEN A DELAWARE LIABILITY

KIEKERT

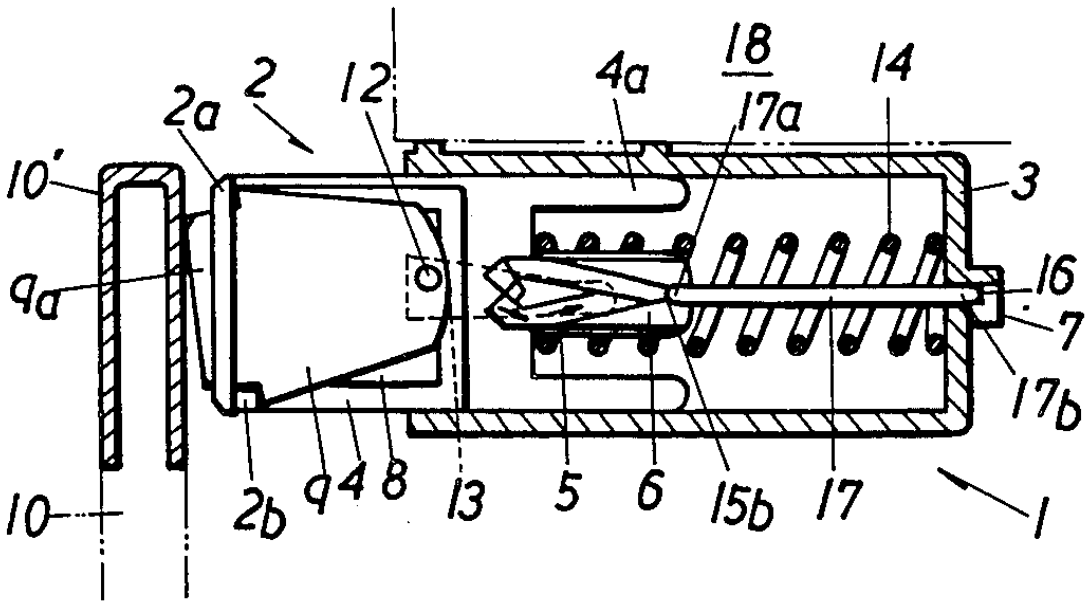
Family 138/200 - FAMPAT - ©Questel

Title

(US4702506)

Magnet catcher for doors

Images



Publication data including kind & date

JPH0316378	Y2	1991-04-09	JP03016378Y
JPH0315737	Y2	1991-04-05	JP03015737Y
JPH0312134	Y2	1991-03-22	JP03012134Y

JPH0312136	Y2	1991-03-22	JP03012136Y
US4702506	A	1987-10-27	US4702506
JPS6187865	U	1986-06-09	JP61087865U
JPS6178964	U	1986-05-27	JP61078964U
JPS6143360	U	1986-03-20	JP61043360U
JPS6113779	U	1986-01-27	JP61013779U

Abstract

(US4702506)

A magnet catcher is used in closing and opening of a door of an audio rack and other cabinets and includes a magnetic stop member mounted on a door. A frame-mounted casing supports a movable member which magnetically retains the stop member when in contact with it. The casing includes a guide recess for guiding a yolk portion of the movable member to permit tilting of the yolk portion. A spring biases the movable member to a position outward of the casing. A rod fixed to the casing has an end guided by the movable member, so as to cause the yolk portion of the movable member to tilt when the door is being opened due to movement of the rod relative to the movable member. As the yolk portion tilts, the magnetic contact area is greatly reduced, and separation of the yolk portion from the stop member is facilitated.

Inventors

IIMURA KYOSUKE

Family 139/200 - FAMPAT - ©Questel

Title

(WO9963188)

Trigger system for electromagnetic lock

Images

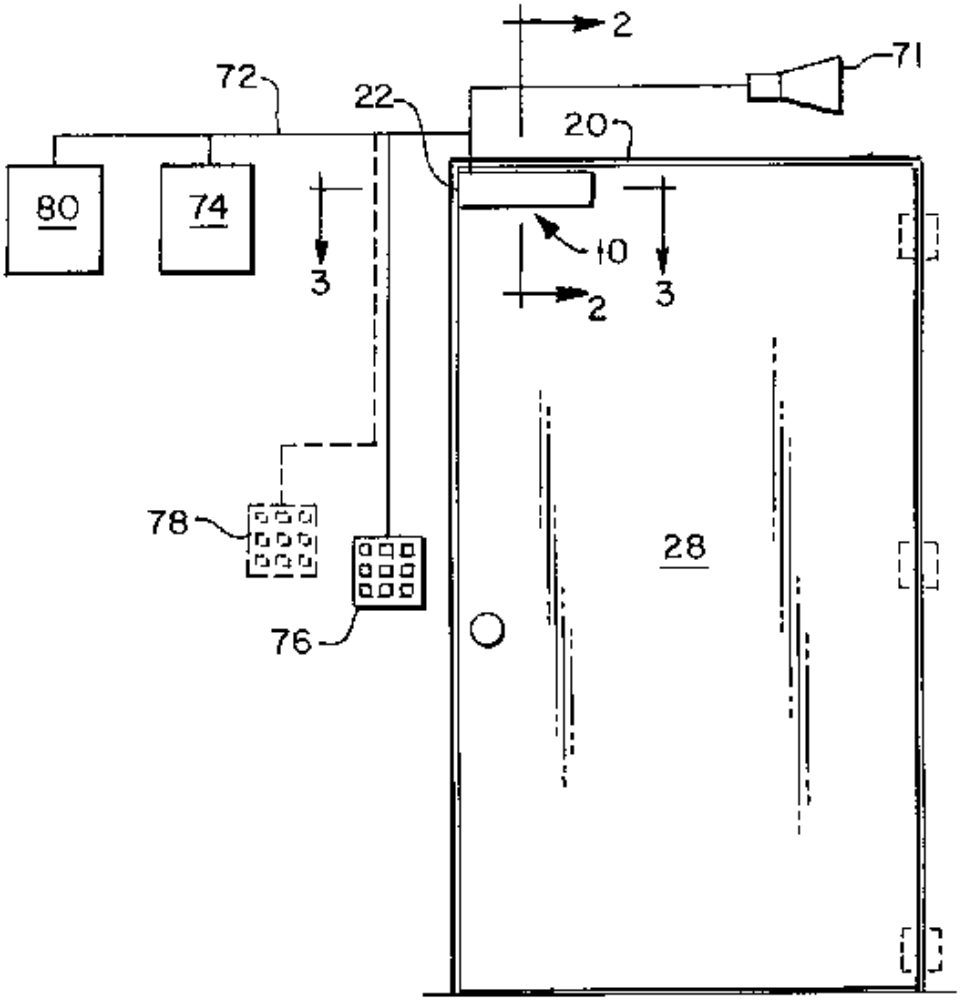


FIG. 1

Publication data including kind & date

US6053546	A	2000-04-25	US6053546
WO99/63188	A3	2000-02-03	WO9963188
WO99/63188	A2	1999-12-09	WO9963188

Abstract

(WO99/63188)
An electromagnetic lock assembly employs a switch (68) which detects an attempt to open the door (28). The armature (14) is biased toward the door by a spring (54) acting between a mounting bolt (44) for the armature. An actuator protrudes from the electromagnet bonding face and engages against the cap (49) of the mounting bolt. A switch (68) may thus be actuated while the electromagnetic bonding between the armature (14) and the electromagnet is maintained.

Inventors

FROLOV GEORGE

Latest standardized assignees - inventors removed

SCHLAGE

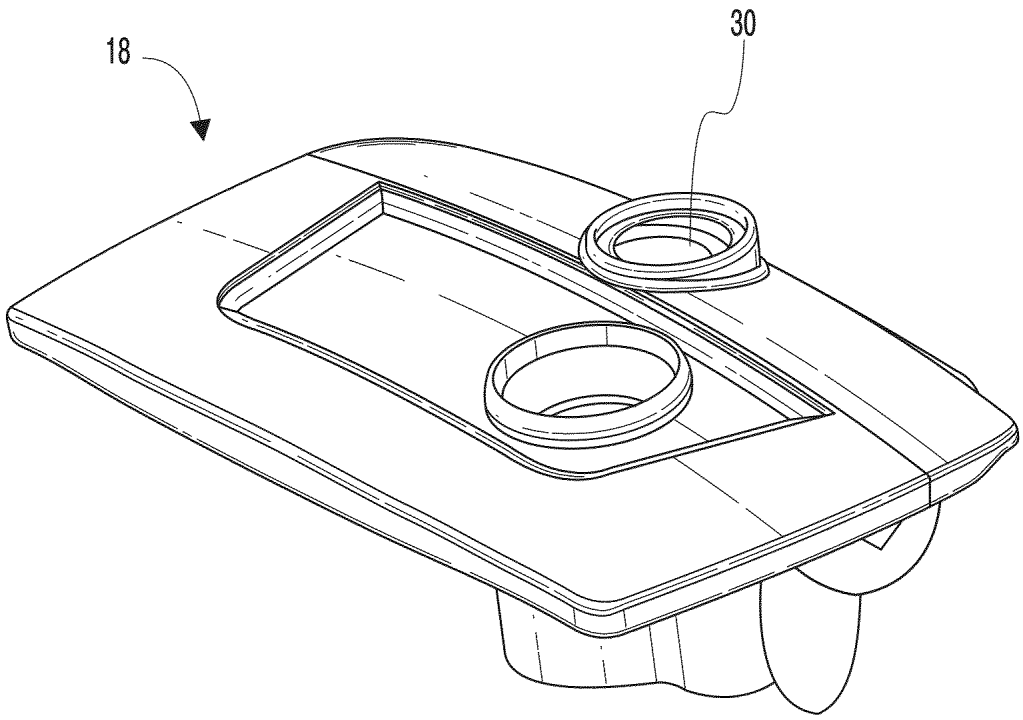
Family 140/200 - FAMPAT - ©Questel

Title

(US20160168891)

Door latch system with integrated magnet

Images



Publication data including kind & date

US20160168891 A1 2016-06-16 US20160168891

Abstract

(US20160168891)

A door latch includes an integral magnet. The door latch may be installed in a door panel. The door panel maybe pivotably connected to a sidewall of a structure. A magnetic coupler may be attached to the sidewall at a location complementary to the location of the magnet when the door panel is opened and the door latch abuts the sidewall. With the door panel opened and the latch abutting the sidewall, the magnetic field between the magnet and magnetic coupler maintain the door in the open position.

Inventors

MCKINNON SCOTT C

MARTIN DALLAS M

WYSONG DAVID

Latest standardized assignees - inventors removed

LIPPERT COMPONENTS

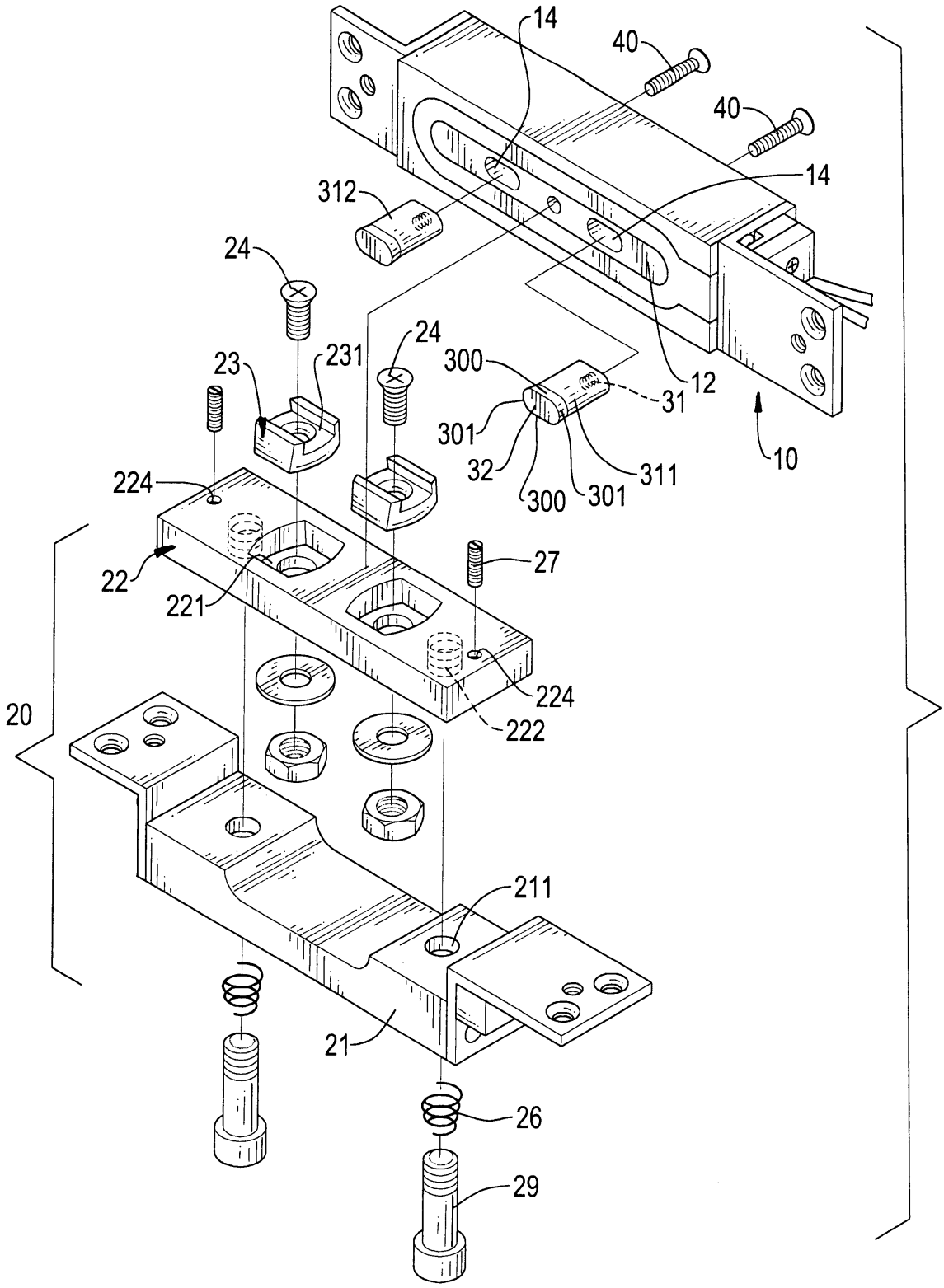
Family 141/200 - FAMPAT - ©Questel

Title

(US6722715)

Magnetic swing door lock

Images



Publication data including kind & date

GB2400134	B	2006-03-01	GB2400134
GB2400134	A	2004-10-06	GB2400134
US6722715	B1	2004-04-20	US6722715
GB0307482	D0	2003-05-07	GB200307482

Abstract

(US6722715)

A magnetic lock includes a first metal block securely received in the first frame, and an electrical magnet adapted to connect to a power source to selectively become a magnet and a second frame adapted to be mounted on a door and provided with a second metal block movable respect to the first metal block and the second frame. The second metal block has two retaining recesses to respectively receive therein two clamping blocks. Each of the two clamping blocks is adapted to be movably received in the two retaining recesses and has a recess to receive therein one of the two bolts. When the second metal block is moved by an external force, an inner side face of the recess of each of the clamping blocks abuts a side face of each of the bolts so that the door is still secured to the doorframe.

Inventors

CHIANG FANNY

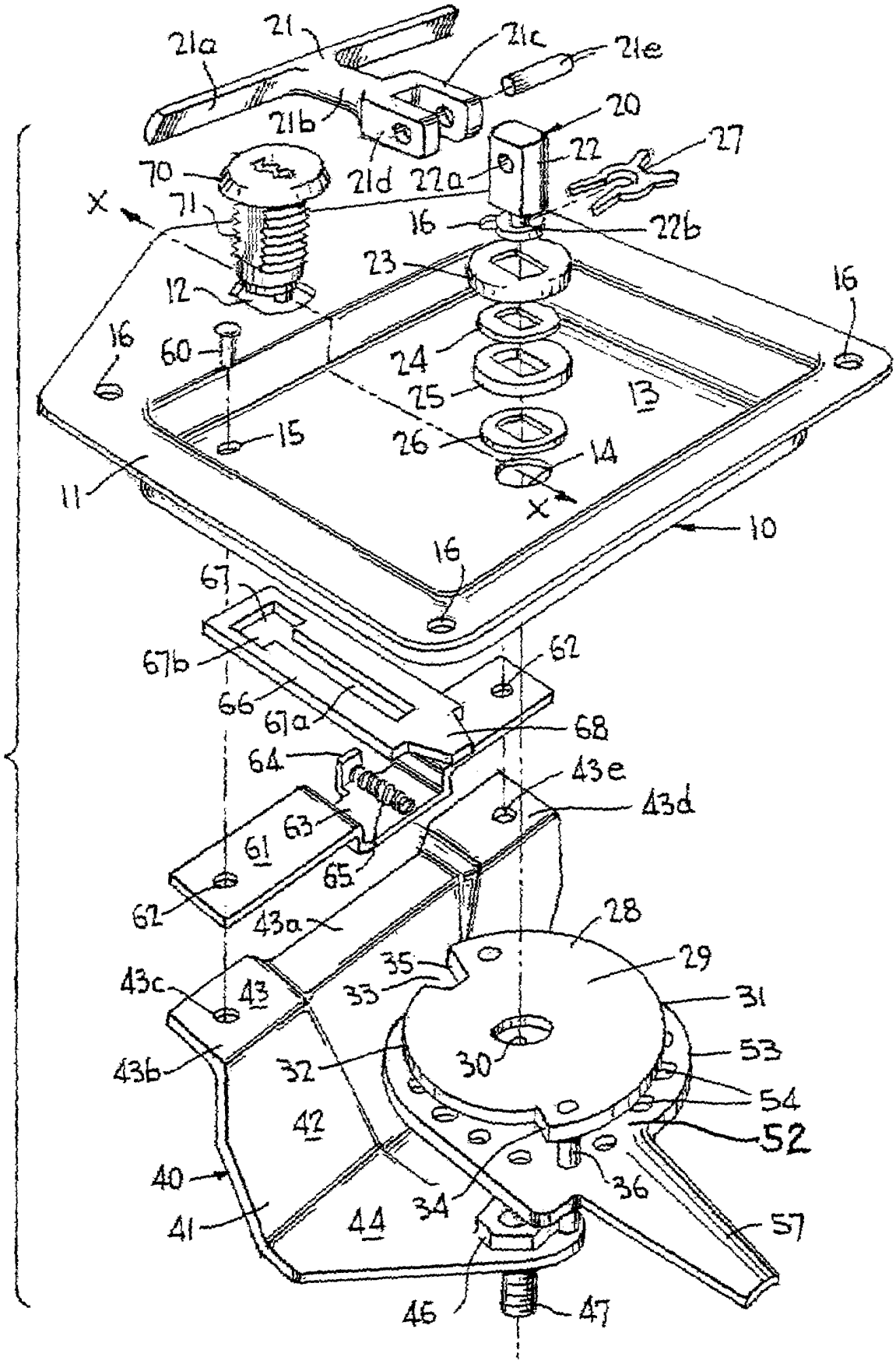
Family 142/200 - FAMPAT - ©Questel

Title

(US6976375)

Door latch with adjustable latch element

Images



Publication data including kind & date

US6976375	B2	2005-12-20	US6976375
US20050257582	A1	2005-11-24	US20050257582

Abstract

(US20050257582)

A door latch includes pan or attachment to a flat surface of a door adjacent a door frame; an actuation subassembly which

includes a handle on one side of the pan, a turn cam on an opposite side of the pan and a handle shaft which connects the handle with the turn cam through a hole in the pan, the turn cam including two rectilinear members extending in parallel with the handle shaft and away from the pan; and a latch subassembly which includes a latch element having a latch body with holes therein through which the rectilinear members extend and a latch arm, and an adjustment member to which the latch element is rotatably attached, the adjustment member moving the latch element toward and away from the pan and to adjust its positioning relative to the pan.

Inventors

MINIX RICH

Latest standardized assignees - inventors removed

WESCO DISTRIBUTION

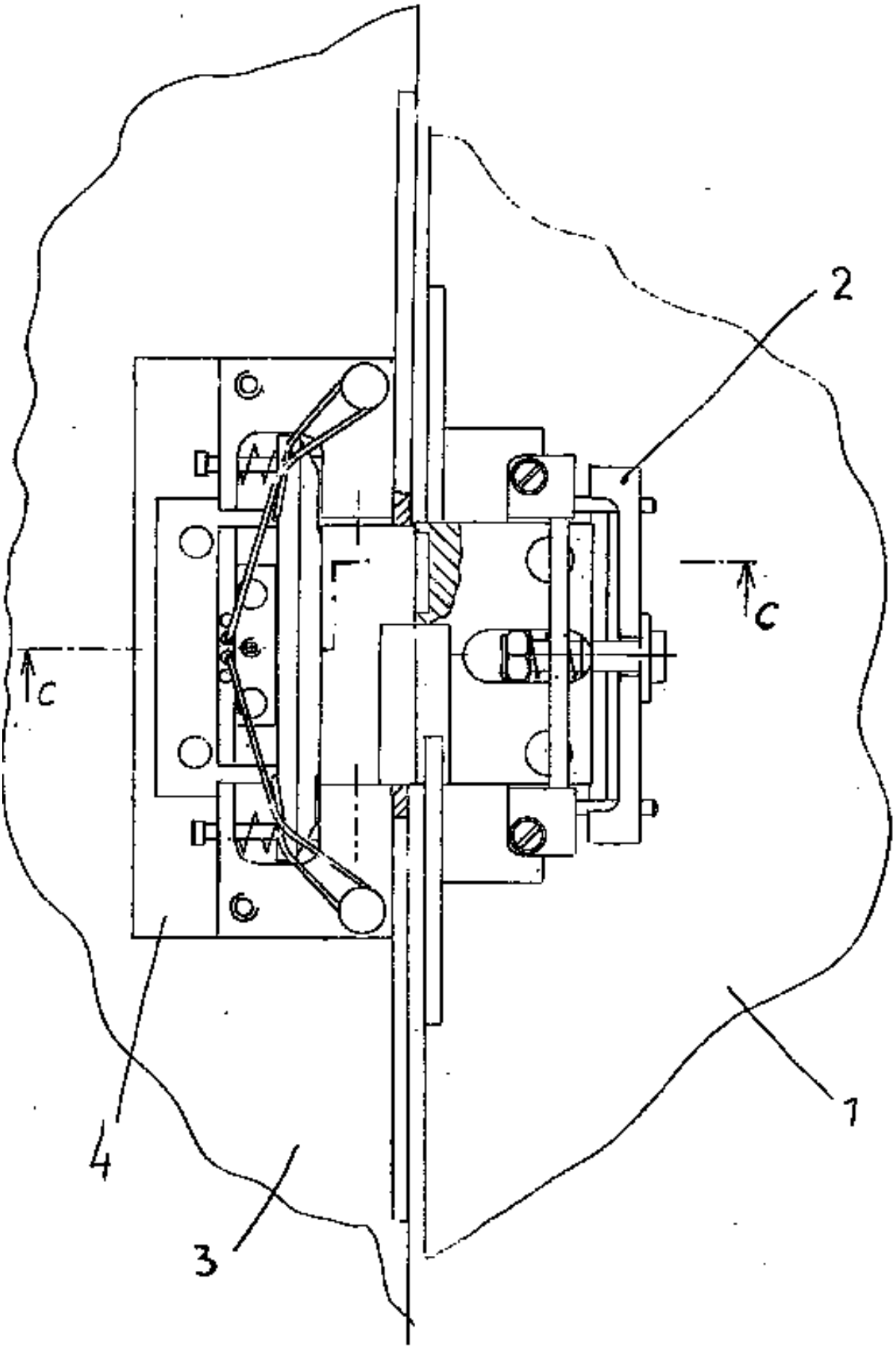
Family 143/200 - FAMPAT - ©Questel

Title

(DE10224351)

Bolting Device Facility for tiltable Door and window Wings with magnetic field strength tumbler and Opening Facility

Images



Publication data including kind & date

DE10224351 B3 2004-01-22 DE10224351

Abstract

(DE10224351)

Locking device for hinged door or window consisting of a magnetic tumbler with, a locking device is provided with a

permanent magnet having a roof part and is provided with a permanent magnet having a latch closing and opening means, wherein the locking member which engages a counterpart in a recess of the closure has locking element, characterized in, that a permanent magnet (12.2) mounted on the machine and a locking recess (14) means is a (2) counterpart (15) in parallel in a bridge structure (32), is connected to a lock plate (23), the locking piece (7) into and a locking opening device (4) toward slidably disposed in Opposition to the roof part (15) and with a permanent magnet (15.1) a locking element (13), which is provided corresponding to the geometrical shape of the recess (14), the locking piece (7) supporting is provided, which holds a vertical pivot axis (8) and a lock plate (5) pivotally mounted in a housing connected (6) is arranged, wherein the closure member (7) of the closing and opening means (4) of the locking piece (7) with a possible pivoting movement lock to have an unlockable.

Inventors

MANTHEY SASCHA

BARTHOLDI EBERHARD

Latest standardized assignees - inventors removed

ELDOMAT INNOVATIVE SICHERHEIT

Family 144/200 - FAMPAT - ©Questel

Title

(GB9601446)

Door latching mechanisms

Images

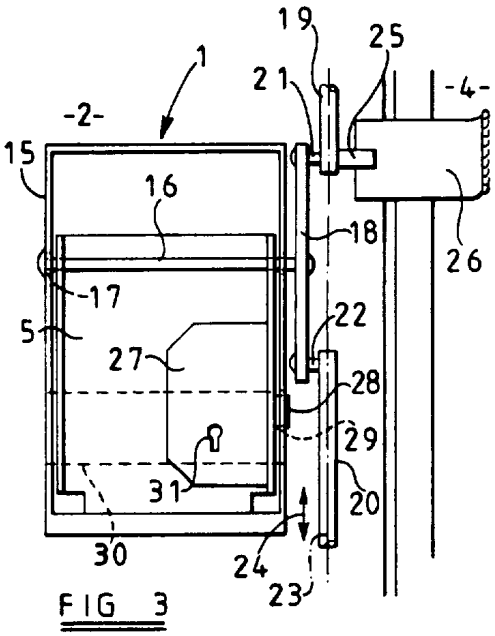


FIG 3

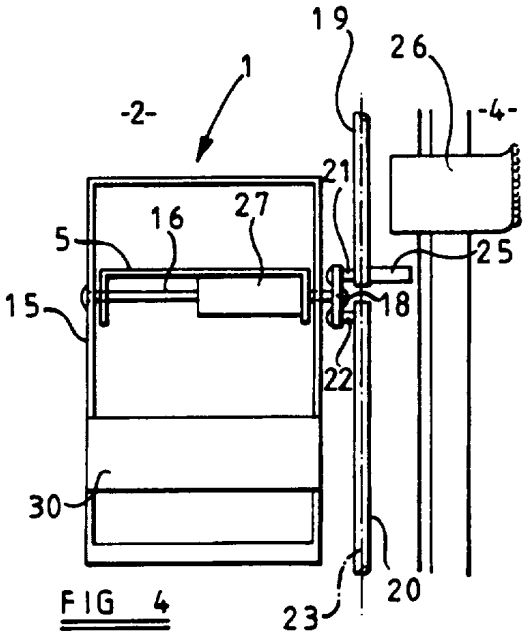


FIG 4

Publication data including kind & date

GB2301393	B	1997-09-10	GB2301393
GB2301393	A	1996-12-04	GB2301393
GB9620463	D0	1996-11-20	GB9620463
GB9601446	D0	1996-03-27	GB9601446

Abstract

(GB9601446)

A door latching mechanism 1 comprises latching bolts 19 and 20 attached to a door 2 and movable in relation to the door 2 to effect latching or unlatching of the door, and a pivotable handle 5 operatively coupled to the latching bolts 19, 20 and attached to the door 2 so as to be pivotable about a pivot axis 16 parallel to the door 2 between a latched position (Figure 3) and an unlatched position (Figure 4). A lock 27 is mounted on the handle 5 so as to be pivotable with the handle 5 and

incorporates a locking bolt 28 which is movable into a locked position when the handle 5 is in the latched position in order to lock the handle 5 in the latched position.

(From GB2301393 A)

Inventors

REMNANT PETER CHARLES

Latest standardized assignees - inventors removed

STEELSPACE LYDNEY

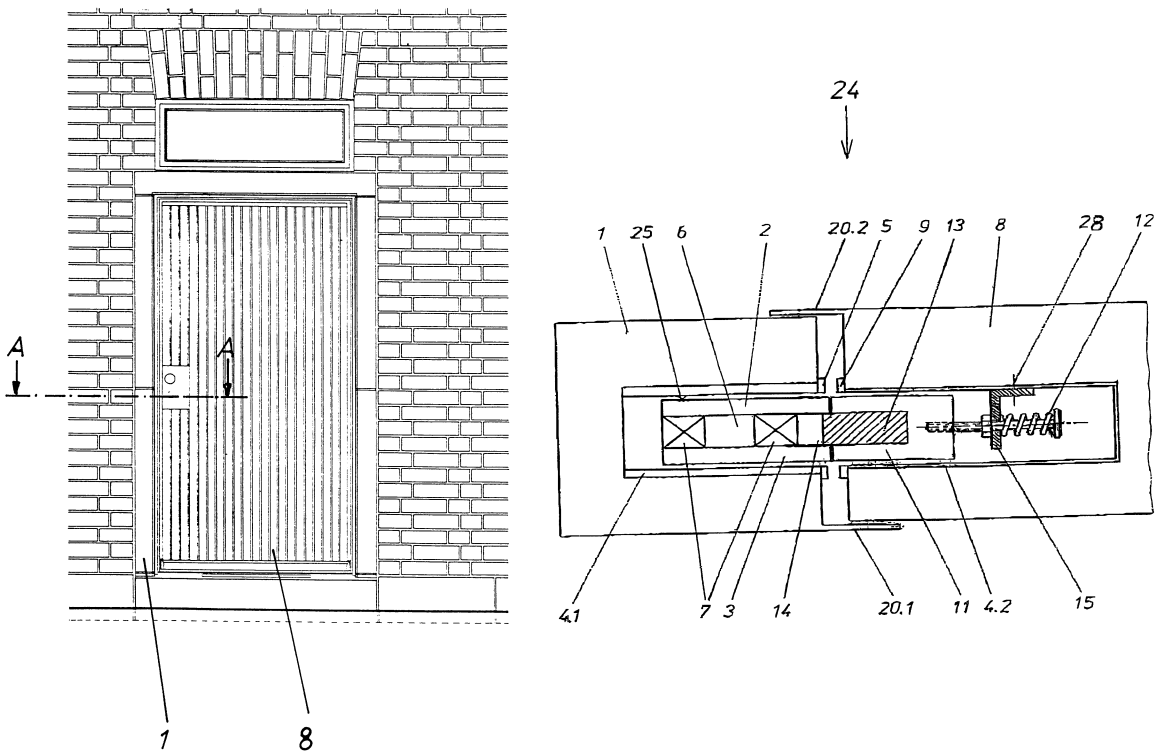
Family 145/200 - FAMPAT - ©Questel

Title

(EP1242708)

Electromagnetic closing and opening device for door leaves that can be pivoted

Images



Publication data including kind & date

ES2301497	T3	2008-07-01	ES2301497
DE50014900	D1	2008-02-14	DE50014900
AT382764	T	2008-01-15	ATE382764
EP1242708	B1	2008-01-02	EP1242708
DE10064747	B4	2004-05-27	DE10064747
US6630877	B2	2003-10-07	US6630877
JP2003518213	A	2003-06-03	JP2003518213
US20020167382	A1	2002-11-14	US20020167382
EP1242708	A2	2002-09-25	EP1242708
DE10064747	A1	2002-07-11	DE10064747
DE19961893	C2	2002-02-21	DE19961893
WO01/46545	A3	2001-12-06	WO200146545
DE19961893	A1	2001-07-19	DE19961893
AU3163201	A	2001-07-03	AU200131632
WO01/46545	A2	2001-06-28	WO200146545

Abstract

(EP1242708)

The aim of the invention is to provide an electromagnetic device for door leaves that can be pivoted, whereby a door closing and stopping device and a door opening device form a constructional unit and a door leaf that can be pivoted and is closed when resting on a door sealing can be securely closed. According to the invention, a positive fit is produced between the door leaf (8) that can be pivoted and the frame (1) of the door and between pole flanges (2; 3) of an electromagnetic device and a U-shaped antipole component (11) that is provided with a connecting piece (13) which consists of non-magnetic material, as soon as the door leaf (8) rests on the door stop (20) in the closing position. The connecting piece (13) which slightly rises above the anitpole component (11) engages in a gap between the pole flanges (1; 2) in the closing position. The pole surfaces (18) of the pole flanges (1; 2) and the antipole surfaces (17) of the antipole component (11) and the front face (21) of the connecting piece (13) are provided with an angle of incidence (22). The inventive device is not provided with mechanically moved components and is thus not subject to damaging effects caused by the use of external force.

Inventors

MANTHEY SASCHA

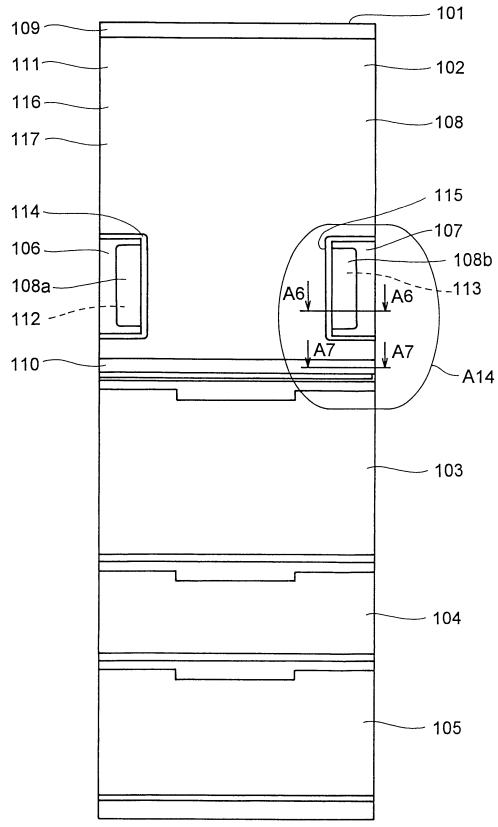
Family 146/200 - FAMPAT - ©Questel

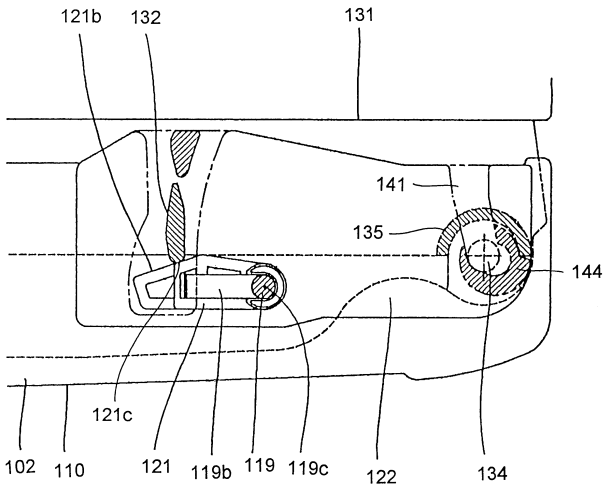
Title

(EP1096212)

Apparatus with door opening/closing mechanism

Images





Publication data including kind & date

EP1363091	B1	2013-06-26	EP1363091
DE60026463	T2	2006-10-19	DE60026463
ES2259593	T3	2006-10-16	ES2259593
DE60026463	D1	2006-05-04	DE60026463
CN1252438	C	2006-04-19	CN1252438C
EP1096212	B1	2006-03-08	EP1096212

EP1363091	A3	2006-01-18	EP1363091
US6883841	B2	2005-04-26	US6883841
JP3622076	B2	2004-12-03	JP3622076
KR100458247	B1	2004-11-26	KR100458247
HK1036102	A1	2004-11-19	HK1036102
US6802155	B1	2004-10-12	US6802155
JP3597424	B2	2004-09-17	JP3597424
JP3560883	B2	2004-06-04	JP3560883
JP3560885	B2	2004-06-04	JP3560885
US20040040212	A1	2004-03-04	US20040040212
CN1134633	C	2004-01-14	CN1134633C
CN1459610	A	2003-12-03	CN1459610
EP1363091	A2	2003-11-19	EP1363091
KR20030071716	A	2003-09-06	KR20030071716
TR200300752	A1	2003-07-21	TR200300752
TW536613	B	2003-06-11	TW-536613
TR200003106	A2	2001-07-23	TR200003106
TR200003106	A3	2001-07-23	TR200003106
JP2001173303	A	2001-06-26	JP2001173303
JP2001159268	A	2001-06-12	JP2001159268
JP2001147077	A	2001-05-29	JP2001147077
KR20010040166	A	2001-05-15	KR20010040166
JP2001124463	A	2001-05-11	JP2001124463
CN1294286	A	2001-05-09	CN1294286
EP1096212	A1	2001-05-02	EP1096212

Abstract

(EP1096212)

A door opening/closing mechanism (7) fitted on a door (2) that closes and opens an opening formed in a body of an apparatus by being brought into and out of contact with a rim of the opening, comprising: a lever mechanism that brings the door (2) a predetermined distance away from the rim of the opening by exploiting action of a lever and cam mechanisms that permit the door (2) to engage with and disengage from the body at either of the right and left sides of the door (2).

Inventors

KAWABATA MASUO

YOSHIKAWA TAKASHI

YOSHIMURA HIROSHI

Latest standardized assignees - inventors removed

SHARP

Family 147/200 - FAMPAT - ©Questel

Title

(DE3940393)

Lock with two sliding bolts - has pawls to hold bolts in retracted position and in locking position

Images

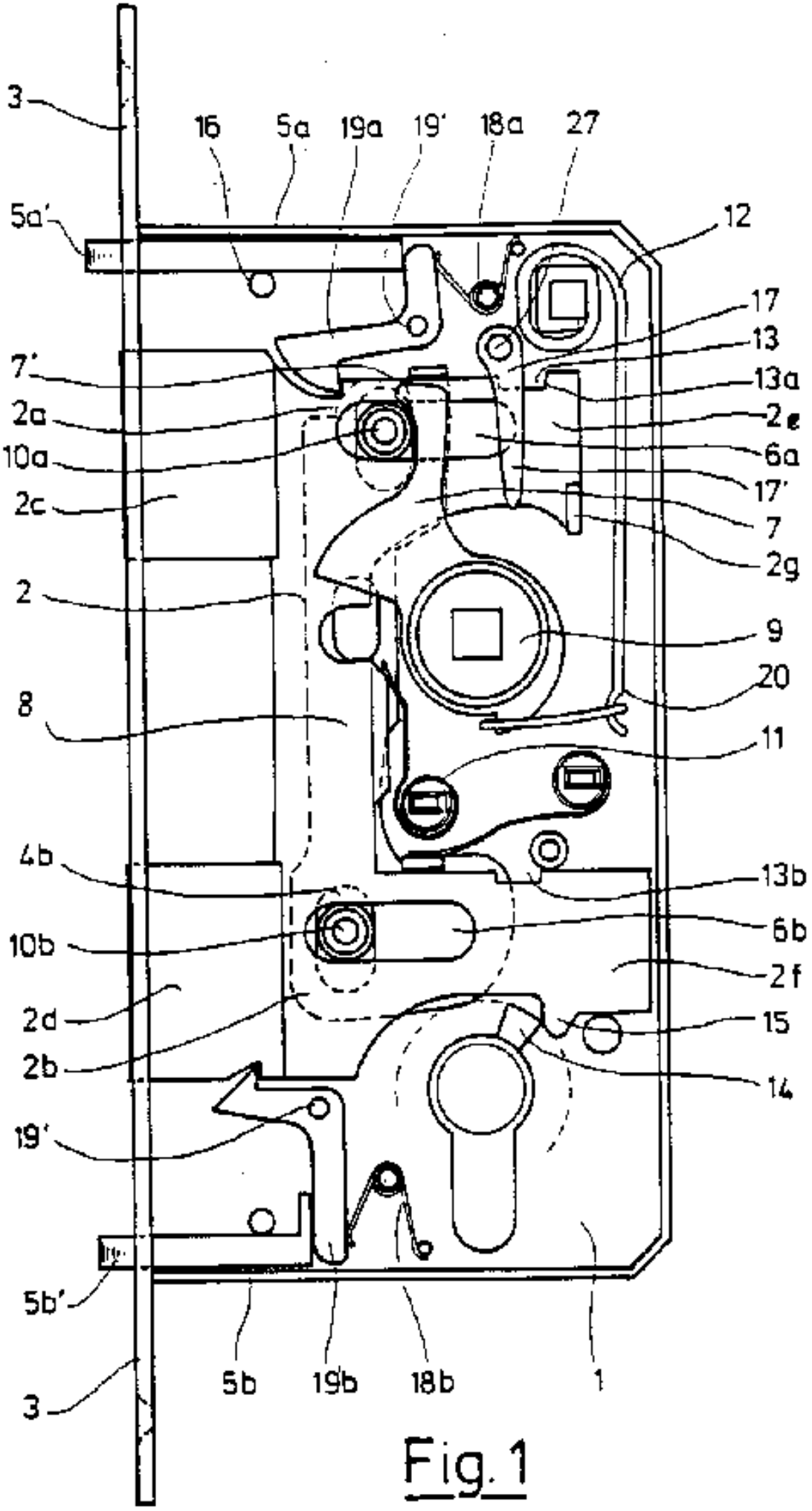

3
16
5a
19a
19'
18a
27
5a'
12
17
13
7'
13a
2a
2e
10a
6a
17'
2c
7
2g
2
9
20
8
11
4b
13b
10b
6b
2f
2d
15
2b
14
19'
5b'
5b
19b
18b
1
3

Fig. 1

Publication data including kind & date

DE3940393	C2	1994-07-21	DE3940393
DE3940393	A1	1991-06-13	DE3940393

Abstract

(DE3940393)
The lock for a door has two sliding bolts (2c, 2d) connected to a common locking member (2). The bolts are locked in their retracted positions by spring-loaded pawls (19a, 19b). The bolts (2c, 2d) are also locked in their extended positions by a recess (13b) in an arm (2f) of the locking member (2). This recess (13b) engages a lug attached to the end of a leaf spring. When this spring is disengaged the bolts (2c, 2d) can be retracted by rotating the lever (7) by means of the door handle. This lever (7) acts on the upper arm (2e) of the locking member (2) through the intermediate lever (7). USE - Locks for doors in building.

Inventors

KRACHTEN THEODOR

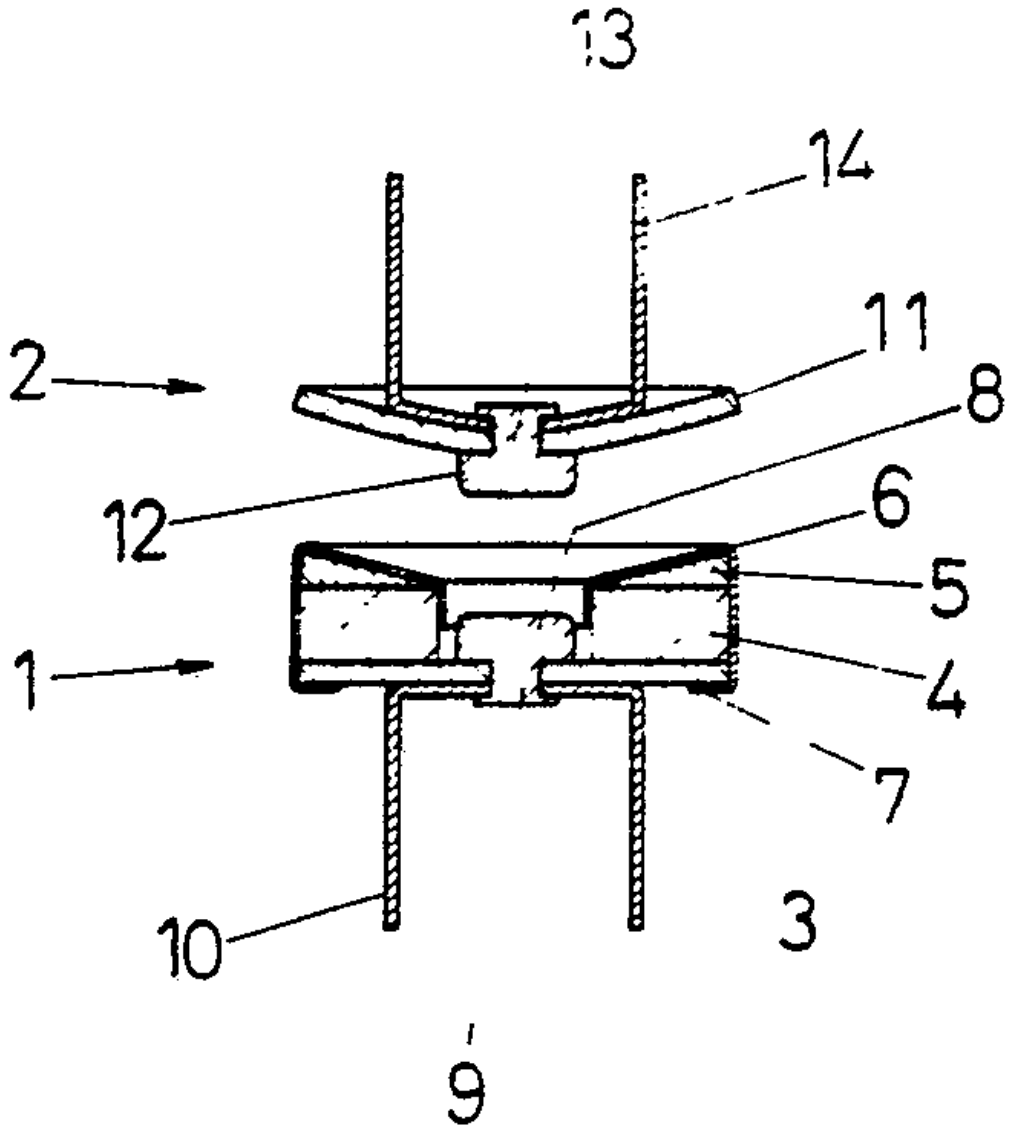
Family 148/200 - FAMPAT - ©Questel

Title

(US4991270)
Magnetic lock closure

Images

FIG. 2



Publication data including kind & date

CN1048863	C	2000-02-02	CN1048863C
DE3902289	C2	1999-08-12	DE3902289
JP2561109	B2	1996-12-04	JP2561109
CA1326250	C	1994-01-18	CA1326250
HK101393	A	1993-10-08	HK9301013
FR2626153	B1	1993-06-25	FR2626153
GB2214564	B	1992-03-18	GB2214564
AU612773	B2	1991-07-18	AU-612773
IT1228398	B	1991-06-14	IT1228398
US4991270	A	1991-02-12	US4991270
ES2010107	A6	1989-10-16	ES2010107
GB2214564	A	1989-09-06	GB2214564
CN1035045	A	1989-08-30	CN1035045

KR19890011563	A	1989-08-21	KR19890011563
DE3902289	A1	1989-08-03	DE3902289
JP01191404	A	1989-08-01	JP01191404
FR2626153	A1	1989-07-28	FR2626153
AU2881189	A	1989-07-27	AU8928811
GB8901820	D0	1989-03-15	GB8901820
IT8919198	D0	1989-01-26	IT8919198

Abstract

(US4991270)

A magnetic lock closure device has a magnetically attracting part and a magnetically attracted part, the magnetically attracting part having an enlarged portion extending outwardly for allowing the magnetically attracted part to engage the magnetically attracting part through the center bore on it by means of the ferromagnetic rods on the two parts, without making any attempt to search for the center bore. Each of the magnetically attracting part and magnetically attracted part includes a fastener for fastening it to the corresponding part of a two-part article such as a bag without increasing the thickness of that part.

Inventors

AOKI YOSHIHIRO

Latest standardized assignees - inventors removed

APPLIC ART LAB

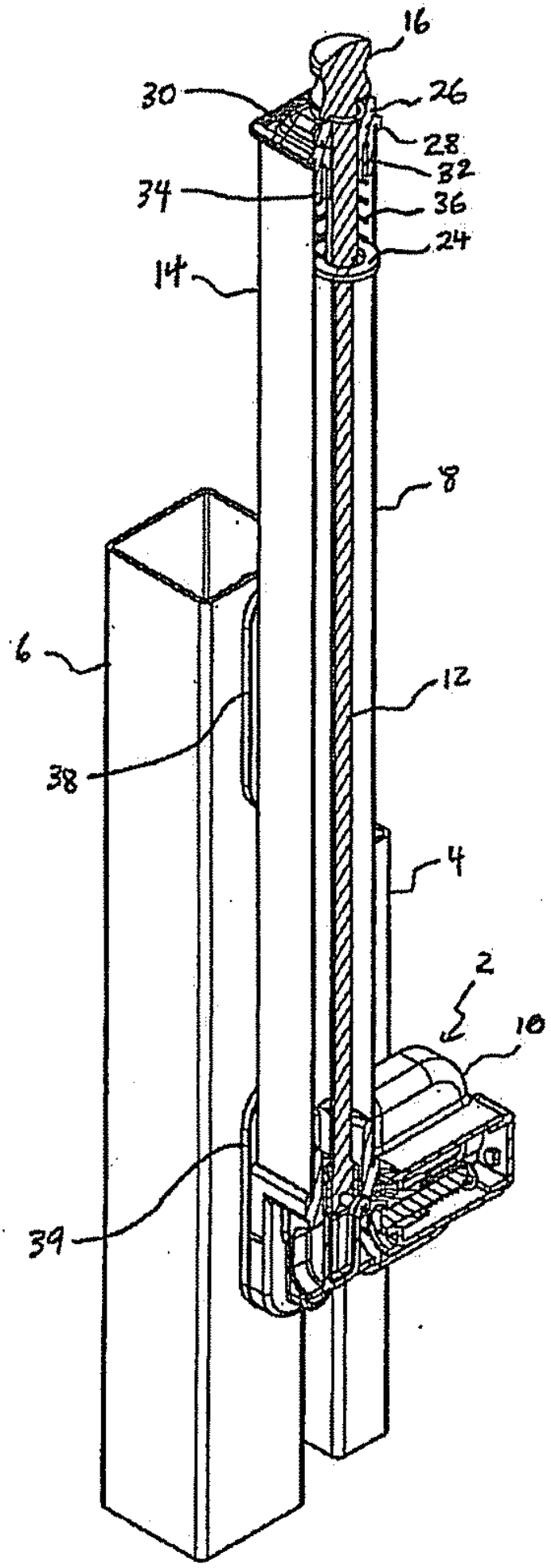
Family 149/200 - FAMPAT - ©Questel

Title

(US20110148126)

Latch

Images


16
30
26
28
32
34
36
24
14
8
6
12
38
4
2
10
39

Publication data including kind & date

AU2009251007	A1	2011-07-07	AU2009251007
US20110148126	A1	2011-06-23	US20110148126

Abstract

(US20110148126)

A latch (2) for holding a gate (4) closed with a fence (6), the latch comprising a bar assembly (10) disposed on the gate (4). The bar assembly (10) comprises a bar member (58) which is attractable by a magnet (20). An engagement assembly (8) is disposed on the-fence (6) and is adapted to engage the bar member (58). The engagement assembly (8) comprises an elongate member (12) comprising the magnet (20). The elongate member (12) is movable between an attraction position in which attraction between the magnet (20) and the bar member (58) is adapted to cause movement of the bar member (58) into engagement with the engagement assembly (8) when the gate (4) is closed, thereby holding the gate (4) closed, and a release position in which attraction between the magnet (20) and the bar member (58) is reduced compared with the attraction position, enabling disengagement of the bar member (58) from the engagement assembly (8) when the gate (4) is closed.

Inventors

MACERNIS AUDRIUS

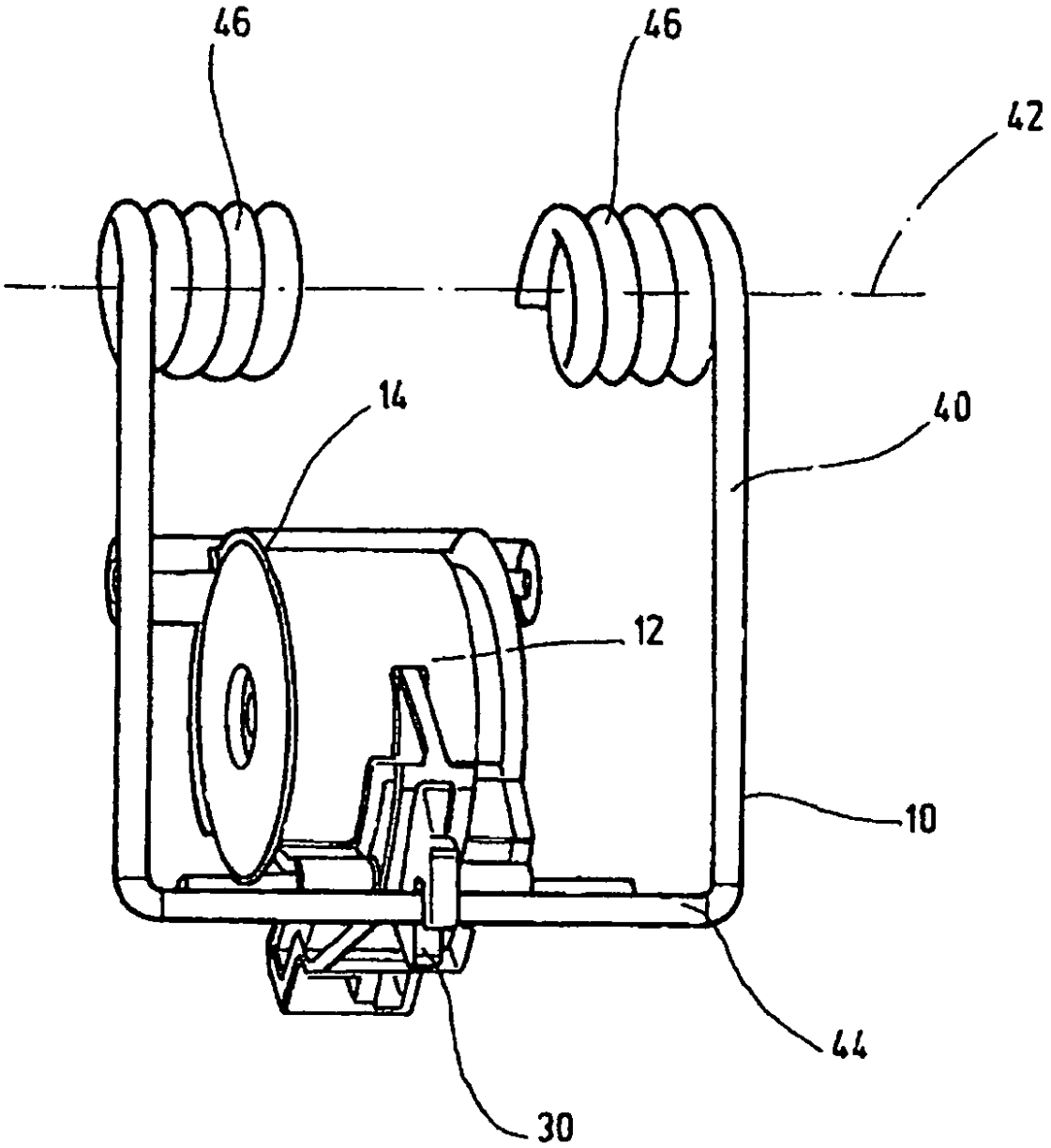
Family 150/200 - FAMPAT - ©Questel

Title

(EP1951545)

Unlocking device for a control device

Images



Publication data including kind & date

KR101254001	B1	2013-04-12	KR101254001
KR101254002	B1	2013-04-12	KR101254002
JP5113073	B2	2012-10-19	JP5113073
US8109544	B2	2012-02-07	US8109544
JP4885974	B2	2011-12-16	JP4885974
US8052179	B2	2011-11-08	US8052179
CN101312849	B	2010-10-13	CN101312849B
CN101312850	B	2010-09-15	CN101312850B
US20090151403	A1	2009-06-18	US20090151403
DE502006003566	D1	2009-06-04	DE502006003566
DE502006003567	D1	2009-06-04	DE502006003567
AT429360	T	2009-05-15	ATE429360
AT429361	T	2009-05-15	ATE429361
US20090120146	A1	2009-05-14	US20090120146

JP2009517259	A	2009-04-30	JP2009517259
JP2009517566	A	2009-04-30	JP2009517566
EP1951545	B1	2009-04-22	EP1951545
EP1951546	B1	2009-04-22	EP1951546
CN101312849	A	2008-11-26	CN101312849
CN101312850	A	2008-11-26	CN101312850
EP1951545	A1	2008-08-06	EP1951545
EP1951546	A1	2008-08-06	EP1951546
KR20080069627	A	2008-07-28	KR20080069627
KR20080069629	A	2008-07-28	KR20080069629
WO2007/059834	A1	2007-05-31	WO200759834
WO2007/059835	A1	2007-05-31	WO200759835
DE102005056816	A1	2007-05-31	DE102005056816

Abstract

(EP1951545)

The invention relates to an unlocking device for a control device (10), comprising an actuating magnet (12) which, guided in a coil base (14) and/or in housing elements of the actuating magnet, has an actuating element (16) that can be displaced along a first axis (20) and that releases, in an actuation position, a swivel path (22) for a control unit (24) which is arranged so as to be swiveled about a second axis (26). Said control unit (24) has a locking element (30) which, when unlocked by means of the actuating element (16) via the control element (24), releases the trajectory (32) for the control device (10) to be actuated. Said unlocking device is characterized by comprising a swiveling lever (34) which is guided in a housing part (28) so as to be swiveled. The second axis (26) is parallel to the first axis (20). The swiveling lever (34), at its free end and when the actuating magnet (12) is not actuated, contacts the actuating element (16). The locking element (30) is disposed on the other end of the swiveling lever (34) and maintains the control device (10) in the locked position.

Inventors

JACOBUS HEINZ

WEINGARDT ALEXANDER

Latest standardized assignees - inventors removed

HYDAC

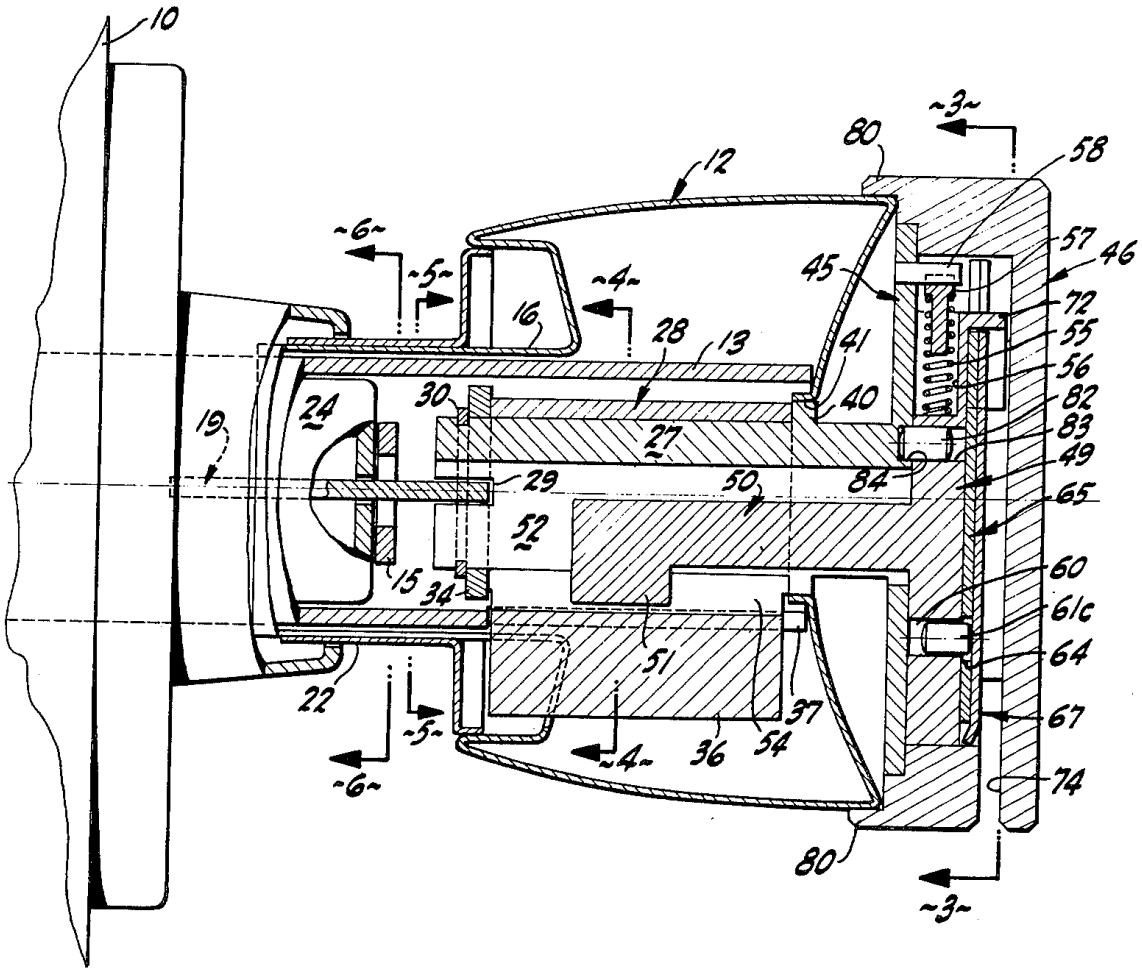
Family 151/200 - FAMPAT - ©Questel

Title

(US3995460)

Magnetic card key operated door lock structure

Images



Publication data including kind & date

US3995460 A 1976-12-07 US3995460

Abstract

(US3995460)

A door lock structure adapted to be actuated by a magnetic card key and to actuate a conventional cylindrical door lock with substantially no modification to such door lock. A housing containing the magnetically operated elements of the lock is mounted coaxially relative to the cylinder plug of the conventional lock. Insertion of a properly coded magnetic card releases a locking bar which normally holds the structure in locked position, and the entire assembly may be turned to retract the latch or dead bolt.

Inventors

SEDLEY BRUCE S

Latest standardized assignees - inventors removed

CARDKEY SYSTEMS

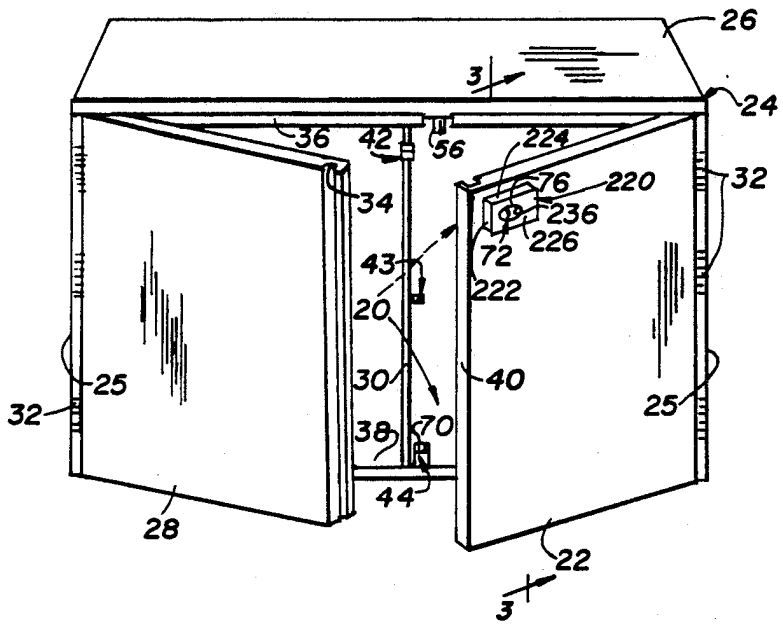
Family 152/200 - FAMPAT - ©Questel

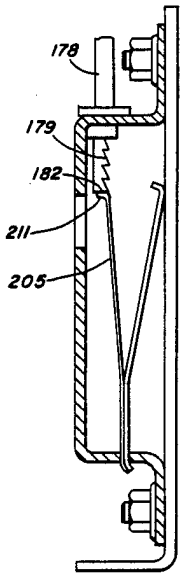
Title

(US4986578)

Door latching arrangement for an enclosure

Images





Publication data including kind & date

CA1336918	C	1995-09-05	CA1336918
US4986578	A	1991-01-22	US4986578

Abstract

(US4986578)

A door latching arrangement is provided for an enclosure that stores energy at each position in a range of opening positions such that if the door is manipulated to permit opening, sufficient energy is available to permit the automatic latching of the door upon closing. The door latching arrangement includes a movable latch arm which in a specific arrangement is carried by the door. The latch arm is biased to engage a projection or hasp of the enclosure when the door is closed. A latch retaining member carried by the door is arranged to interact with the latch arm to prevent the engagement of the latch arm by the hasp. Movement of the latch arm to disengaged the hasp, coupled with the opening of the door to separate the hasp and the latch retaining member, results in the latch retaining member moving to a position to interact with and retain the latch arm. When the door is closed, the hasp conditions the latch retaining member out of interaction with the latch arm, permitting the latch arm to automatically re-engage the hasp. In a specific arrangement, the latch retaining member and the latch arm include a pawl and ratchet combination that is operative upon movement of the latch arm out of engagement with the hasp and as the door is opened to separate the hasp and the latch retaining member.

Inventors

HALL WALTER J

Latest standardized assignees - inventors removed

S & C ELECTRIC

Family 153/200 - FAMPAT - ©Questel

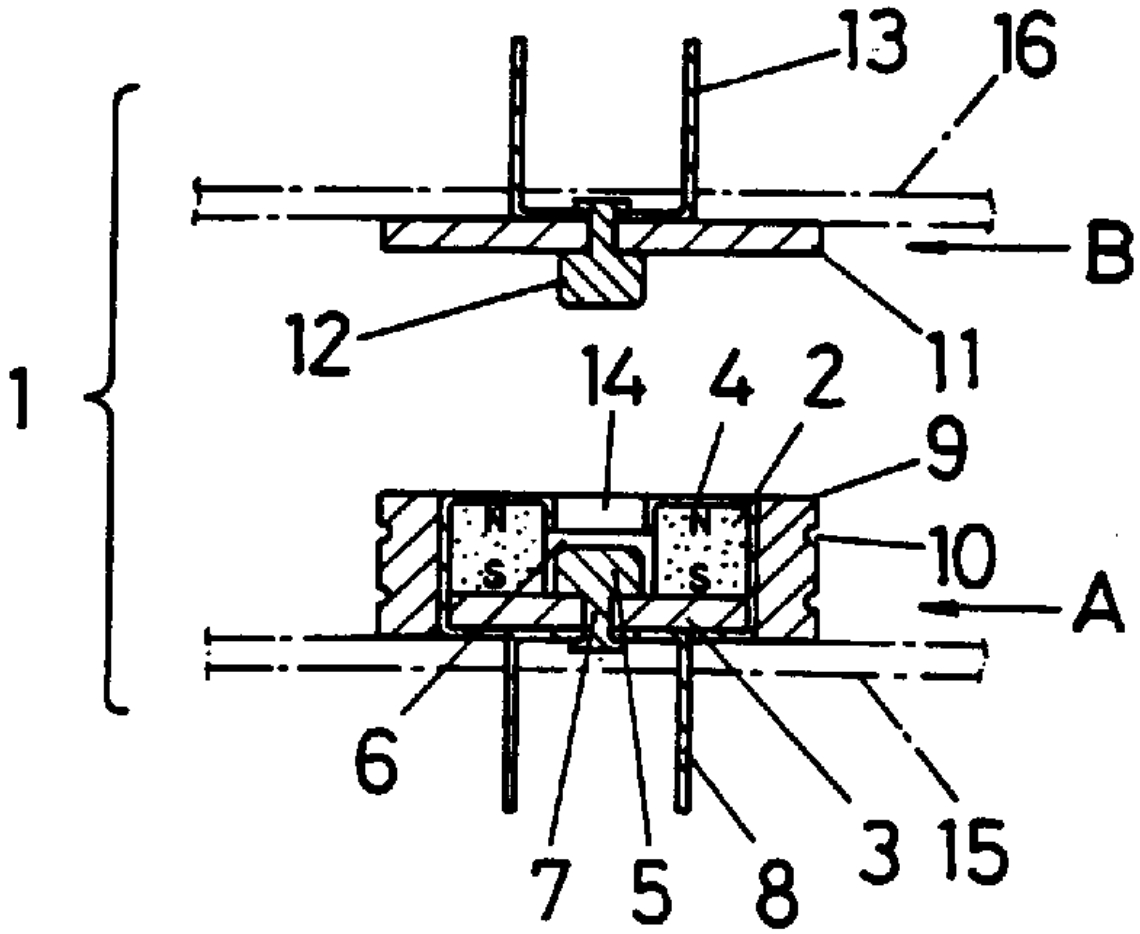
Title

(DE4406705)

Magnetic bond between two elements

Images

FIG. 2



Publication data including kind & date

GB2287275	B	1998-06-03	GB2287275
GB2287275	A	1995-09-13	GB2287275
DE4406705	A1	1995-09-07	DE4406705
CA2116700	A1	1995-09-02	CA2116700
GB9403636	D0	1994-04-13	GB9403636

Abstract

(DE4406705)

The first element (A) has a thick-walled, metal or plastics sleeve-shaped part (9) joining the first element, with the exception of its attracting side facing the second element (B), to the second element. The opposite side facing an object and fixed to it is thereby covered. The thick-walled part has surface decorations (10) and a mechanical device gripping the second element. The height of the thick-walled part alters from one side to the other. The first element contains a cylindrical magnet with centre hole right through (6), and a first ferromagnetic plate (3). A first ferromagnetic pin (5) fits into the centre hole and protrudes from the plate. The second element has a second ferromagnetic plate (11) with protruding ferromagnetic pin (12).

Inventors

AOKI YOSHIHIRO

Latest standardized assignees - inventors removed

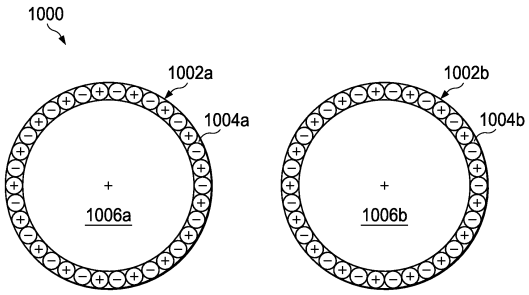
APPLIC ART LAB

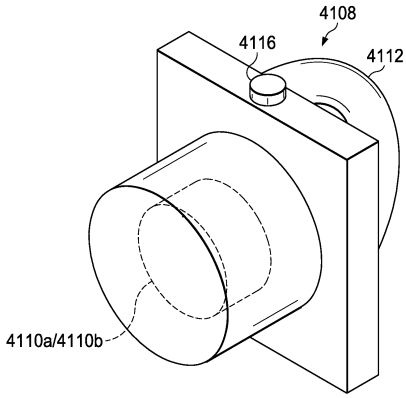
Title

(US8174347)

Multilevel correlated magnetic system and method for using the same

Images





Publication data including kind & date

US9711268	B2	2017-07-18	US9711268
US20150364238	A1	2015-12-17	US20150364238
US9111672	B2	2015-08-18	US9111672
US20150102880	A1	2015-04-16	US20150102880
US8947185	B2	2015-02-03	US8947185
US8841981	B2	2014-09-23	US8841981
US20140043126	A1	2014-02-13	US20140043126
US20130269261	A1	2013-10-17	US20130269261
US8471658	B2	2013-06-25	US8471658
US8279032	B1	2012-10-02	US8279032
US20120242440	A1	2012-09-27	US20120242440
US20120218064	A1	2012-08-30	US20120218064
US8174347	B2	2012-05-08	US8174347
US20120007705	A1	2012-01-12	US20120007705

Abstract

(US20120007705)

A multilevel correlated magnetic system and method for using the same are described herein. A wide-range of devices including a retractable magnet assembly, a disengagement/engagement tool, a click on-click off device are described herein that may incorporate or interact with one or more of the multilevel correlated magnetic systems.

Inventors

FULLERTON LARRY W

ROBERTS MARK D

Latest standardized assignees - inventors removed

CORRELATED MAGNETICS RESEARCH

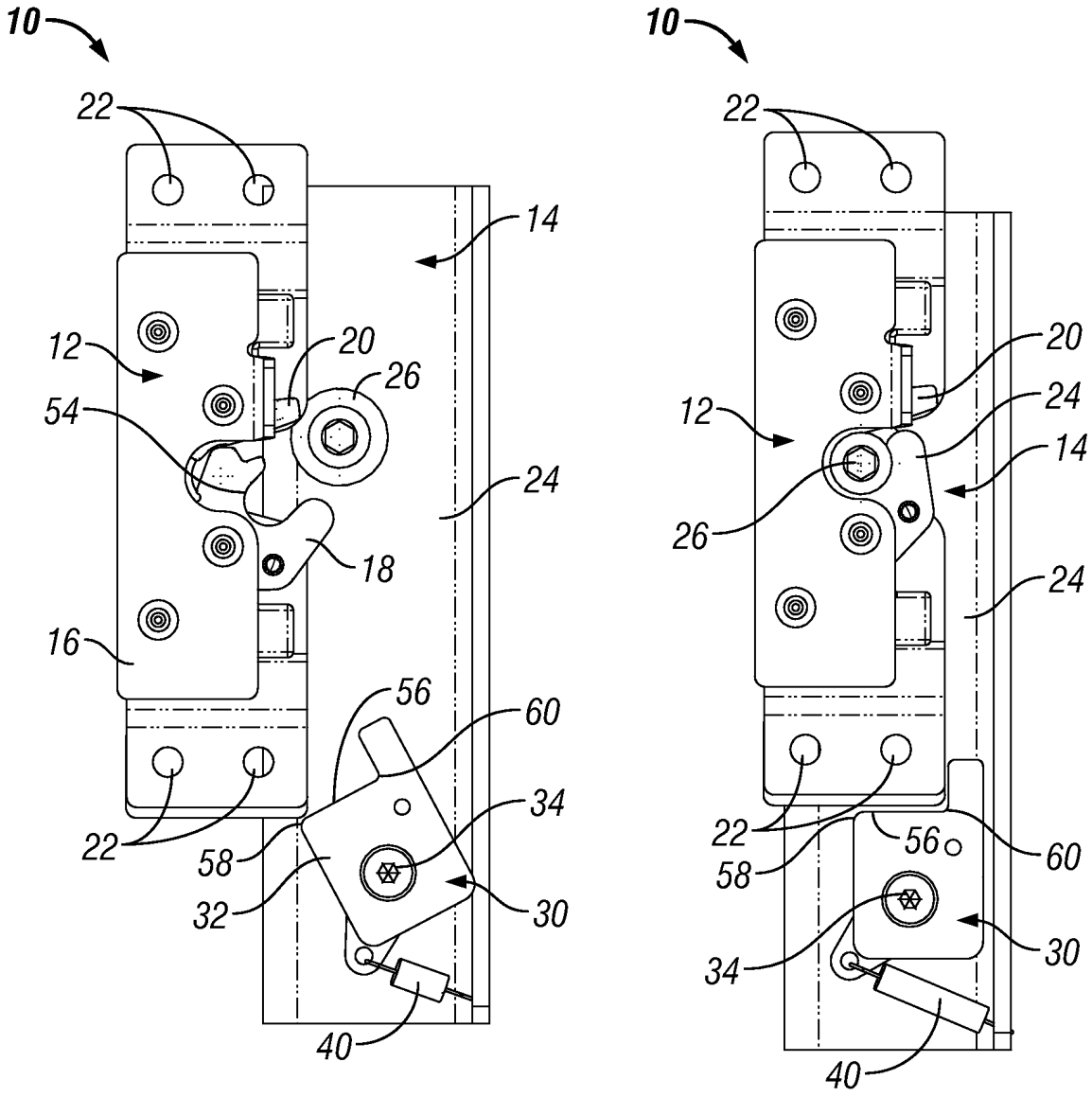
Family 155/200 - FAMPAT - ©Questel

Title

(US7938458)

Alignment assembly for door latch and striker bolt

Images



Publication data including kind & date

US7938458 B1 2011-05-10 US7938458

Abstract

(US7938458)

A door latch and striker combination for a vehicle door is provided with a pivotal cam on the striker assembly of the door frame so as to overcome misalignment between the latch assembly and striker assembly. When the door is moved from an open position to the closed position, the latch housing engages the cam, which pivots over center as the door closure continues, thereby lifting the latch assembly and door into proper alignment with the striker bolt on the door frame, such that the door can be closed. The cam is spring biased to an initial position with an inclined upper surface. The cam supports the latch assembly while the door is closed, and allows the latch assembly to slide over the upper cam surface when the door is opened.

Inventors

ZWEIBOHMER DENNIS J

HEMANN BRANDON L

Latest standardized assignees - inventors removed

TRIMARK

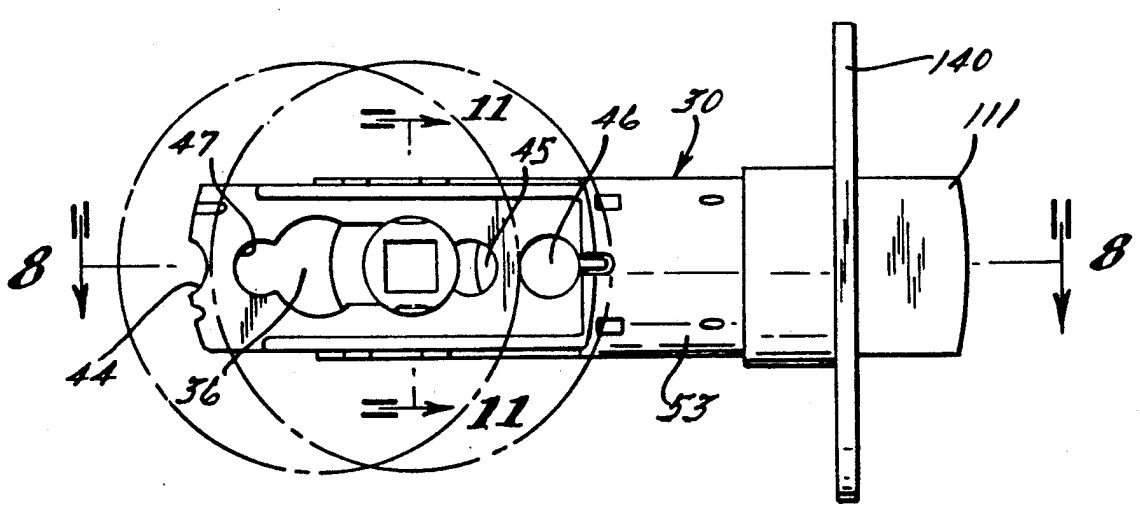
Family 156/200 - FAMPAT - ©Questel

Title

(US5169184)

Door latch assembly

Images



Publication data including kind & date

CA2081653	C	1997-12-09	CA2081653
US5257837	A	1993-11-02	US5257837
CA2081653	A1	1993-09-04	CA2081653
US5169184	A	1992-12-08	US5169184

Abstract

(US5169184)

A door latch having an adjustable backset position which allows it to be used in doors having either a 23/8" backset or a 23/4" backset. The latch includes a latch housing having a pair of aligned openings comprising two longitudinally spaced apart openings in communication with each other via a relatively narrow passageway. A cam is movable between the two openings through the passageway to adjust the backset. The cam cooperates with a retract slide which is engaged at its front end with the latch bolt to retract the latch bolt. The retract slide contains two sets of teeth at its back end, one set of teeth being engaged by the cam when it is in a first backset position and the second set of teeth being engaged by the cam when it is in a second backset position.

Inventors

BISHOP STEPHEN P

Latest standardized assignees - inventors removed

TETRA HOLDING
SALIX ANIMAL HEALTH
LIQUID HOLDING
KWIKSET
NATIONAL MANUFACTURING
TOASTMASTER
UNITED PET
APPLICA CONSUMER PRODUCTS
RUSSELL HOBBS
TELL MANUFACTURING
ROVCAL
SEED RESOURCES
WEISER LOCK

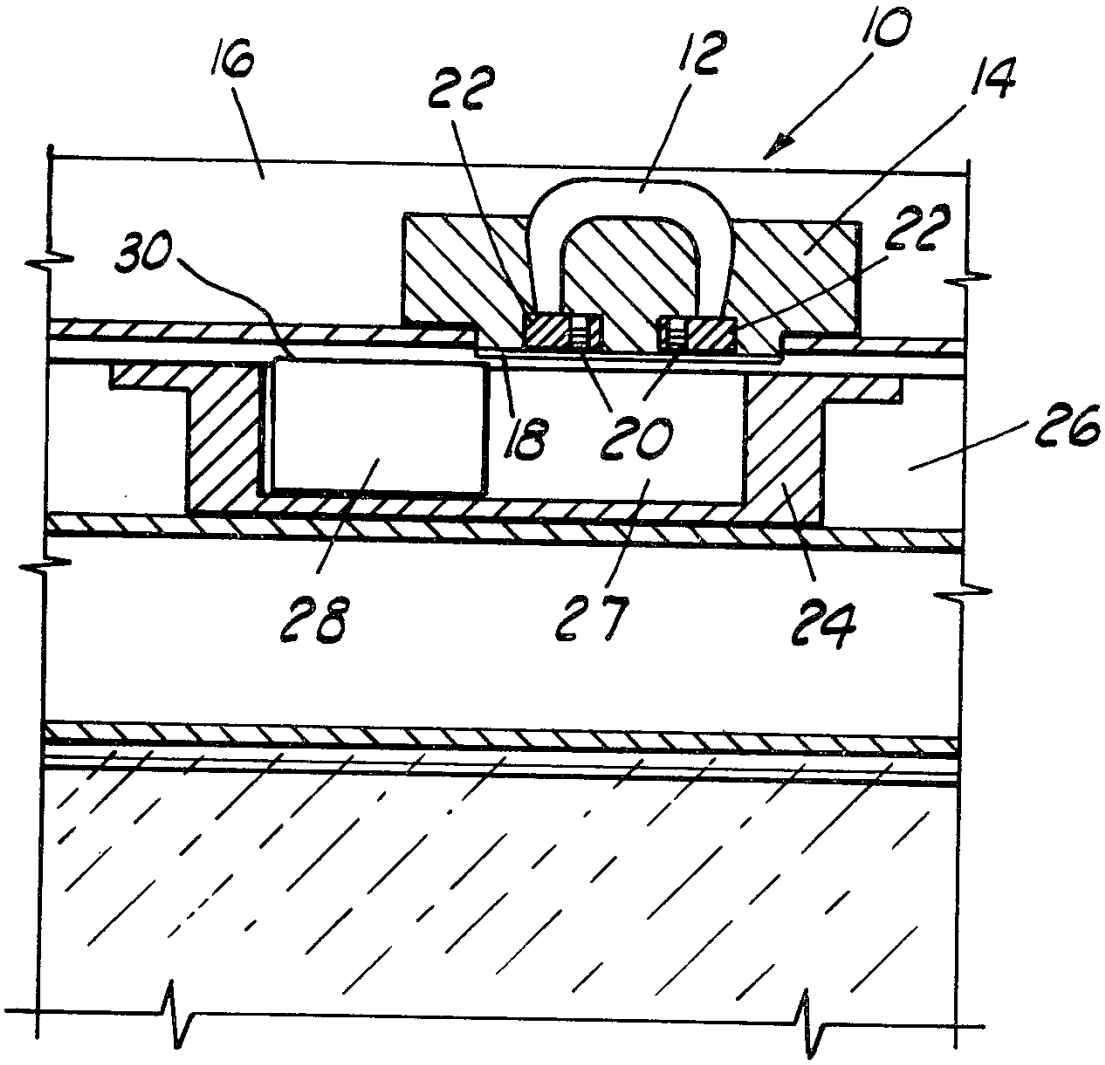
Family 157/200 - FAMPAT - ©Questel

Title

(US4194771)

Magnetic door stay retainer

Images



Publication data including kind & date

US4194771 A 1980-03-25 US4194771

Abstract

(US4194771)

A magnetic door stay retainer for retaining a swinging door in a closed position in a door frame. The retainer automatically holds the door in a closed position in a door frame when the door is closed. The retainer is adjustable in controlling the amount of force required to open a door when, for example, wind gusts tend to blow the door open.

Inventors

BIGGS RONALD L

Family 158/200 - FAMPAT - ©Questel

Title

(WO201902952)

Automatic locking mechanism for collapsible elements

Images

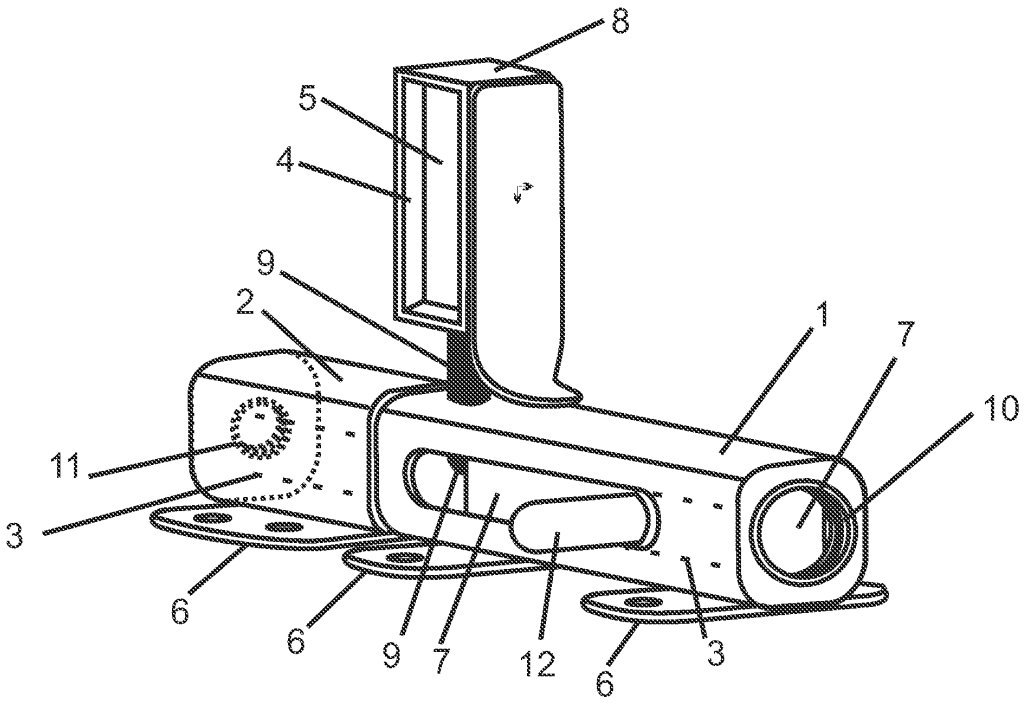


FIG. 2

Publication data including kind & date

CN109891042	A	2019-06-14	CN109891042
WO2019/002952	A1	2019-01-03	WO201902952
CO2017006563	A1	2018-09-20	CO2017006563A1

Abstract

(WO2019/002952)

The present invention relates to an automatic locking mechanism for collapsible systems. Said locking mechanism is used in any type of collapsible system, such as a stretcher that comprises a plurality of panels, wherein the smart locking of each of the collapsible panels is performed by a measurement system that determines when the panels are in the desired position, i.e. in parallel position relative to one another or positioned one after the other. The invention further relates to an electronic locking system which, when the panels reach the desired position, activates a magnetic lock to create a rigid unit from the panels that make up the collapsible system.

Inventors

HINCAPIE MONTOYA EDWIN MAURICIO
MAYA JUAN SEBASTIAN
DIAZ LEON CHRISTIAN ANDRES

Latest standardized assignees - inventors removed

INSTITUCION UNIVERSITY SALAZAR & HERRERA

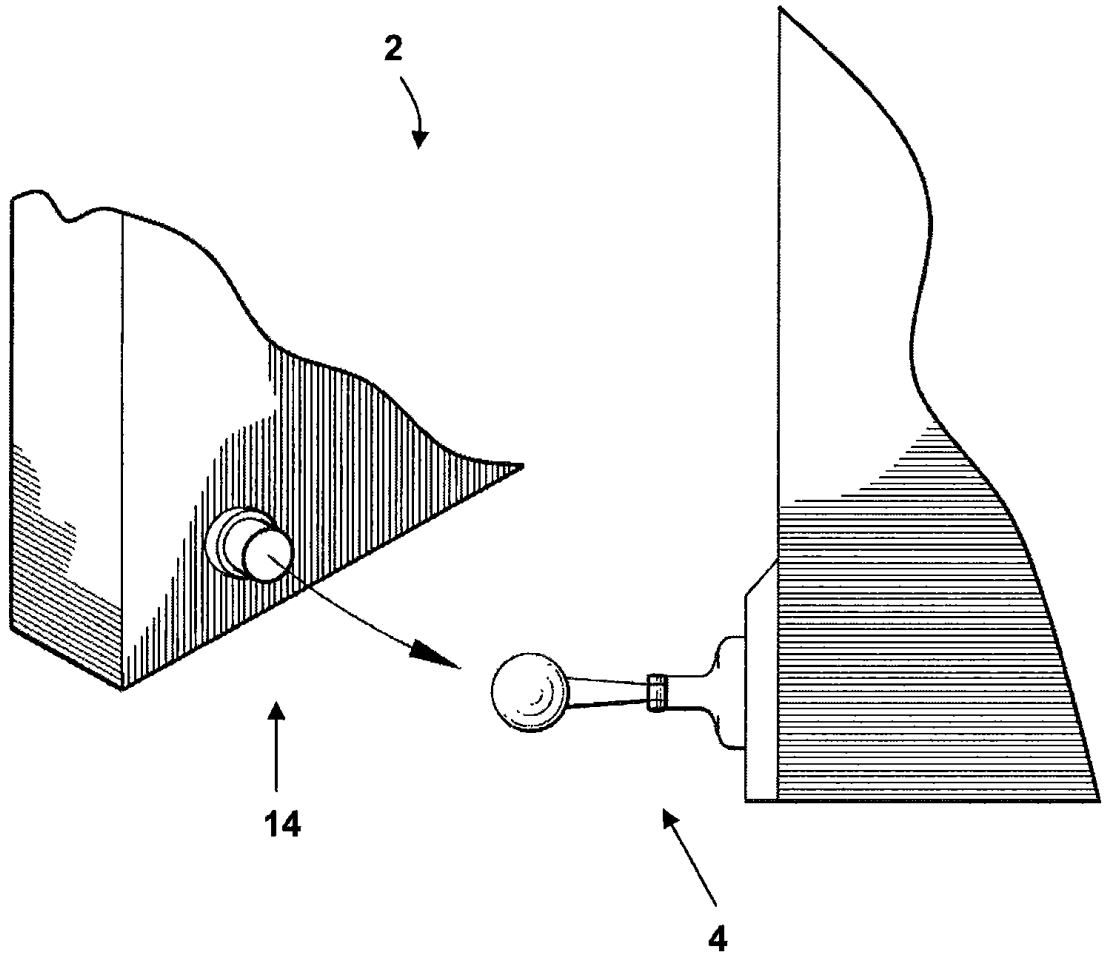
Family 159/200 - FAMPAT - ©Questel

Title

(US8567831)

Fold away magnetic door stop

Images



Publication data including kind & date

US8567831	B2	2013-10-29	US8567831
US20110298226	A1	2011-12-08	US20110298226

Abstract

(US20110298226)

Door stop assemblies are disclosed, which generally include a door stop that includes a stem portion, a distal side that includes a first magnetic element, and a proximal side. The door stop further includes at least one hinge located between the distal side and proximal side thereof. In addition, the assemblies further include a door stop receiving element that is equipped with a spring and a second magnetic element that is magnetically attracted to the first magnetic element.

Inventors

ROTI JOSEPH R

Family 160/200 - FAMPAT - ©Questel

Title

(EP-634548)

Locking system for vehicle doors

Images

FIG.1

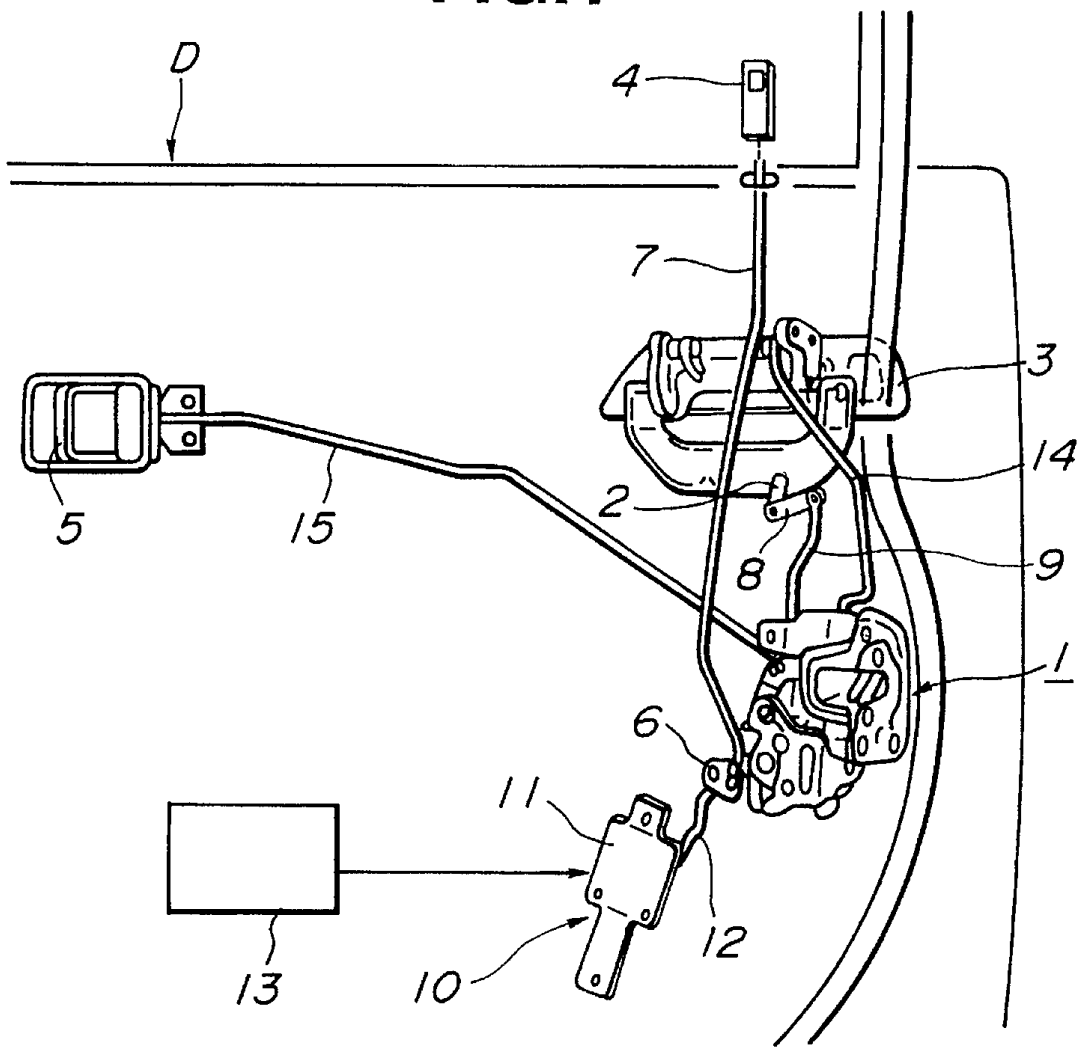

D
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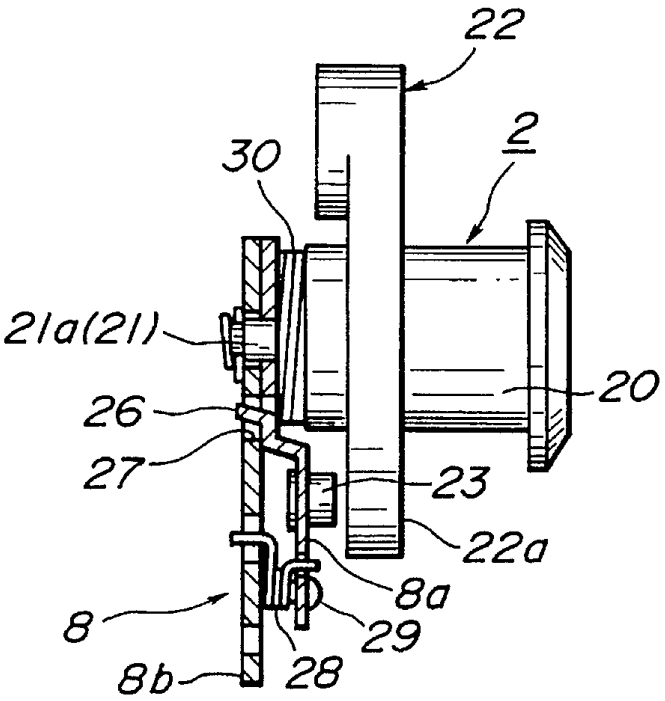
FIG.3


22
2
30
21a(21)
20
26
27
23
22a
8a
8
29
28
8b

Publication data including kind & date

DE69408742	T2	1998-06-25	DE69408742
DE69408742	D1	1998-04-09	DE69408742
EP0634548	B1	1998-03-04	EP-634548
US5566562	A	1996-10-22	US5566562
EP0634548	A3	1995-07-19	EP-634548
JP07026816	A	1995-01-27	JP07026816
EP0634548	A2	1995-01-18	EP-634548

Abstract

(EP0634548)

In a door locking system of the type having a security mechanism for locking a locking button when a lock cylinder is locked, a switch lever is installed on a lock cylinder main body for rotation therewith, and an operating force transmitting lever is rotatably installed on the lock cylinder main body and operatively connected to the locking button. The switch lever and the operating force transmitting lever are connected in such a manner as to allow, when the lock cylinder main body is rotated from a locking position to a security mechanism unlocking position, the switch lever to rotate relative to the operating force transmitting lever. When the switch lever is rotated into the security mechanism unlocking position, the security mechanism is electrically or electromagnetically actuated to unlock the locking button.

Inventors

FUJII HIROSHI

Latest standardized assignees - inventors removed

NISSAN MOTOR

Family 161/200 - FAMPAT - ©Questel

Title

(WO201188496)

A latching assembly

Images

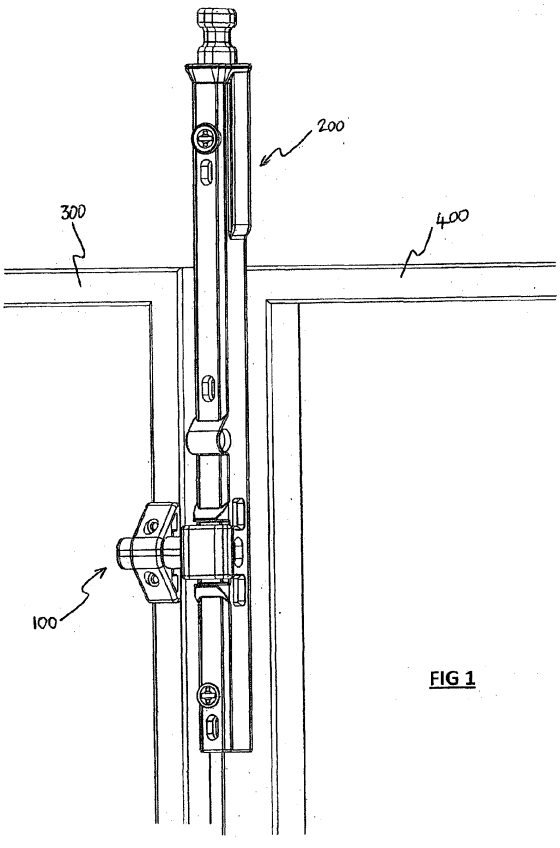


FIG 1

Publication data including kind & date

WO2011/088496	A1	2011-07-28	WO201188496

Abstract

(WO2011/088496)
A latching assembly comprising: a latch component (100) comprising a magnetic latch (110); and an actuator component (200) comprising at least one magnet (262, 264) which is selectively configurable between a latching configuration in which the magnetic latch (110) is, in use, attracted towards the actuator component (200) and an unlatching configuration in which the magnetic latch (110) is, in use, repelled away from the actuator component (200).

Inventors

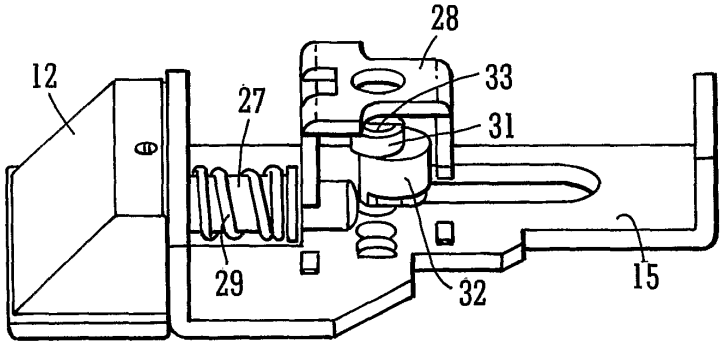
ANDREWS STUART JOHN
CUMMING MARK

Family 162/200 - FAMPAT - ©Questel

Title

(WO200749021)
A door latch with a rotatable latch bolt

Images



Publication data including kind & date

WO2007/049021	A1	2007-05-03	WO200749021
GB2431690	A	2007-05-02	GB2431690
GB0521995	D0	2005-12-07	GB200521995

Abstract

(WO2007/049021)
A door latch comprising a casing (10) having a fore end (11) and containing a latch bolt (12) mounted on a sliding plate (15) within the casing, the latch bolt (12) being retractable against a spring (18) by means of a handle follower (13) rotated by a spindle (14). An eccentric cam (32) which may be rotated on a slotted spindle (33) is adapted to move the latch bolt (12) on a spindle (27) outwardly beyond the fore end (11) and relative to the plate (15) so that it may be rotated about 180° to reverse the latching direction of the latch bolt. The cam (32) may then be rotated again to return the latch bolt to its position within the fore end (11). Thus, the direction of the latch may be reversed without opening the casing (10) by inserting a screwdriver in the slotted spindle (33) which is exposed at the surface of the casing (10) through an aperture in a side wall (11b).

Inventors

NAYLOR MARK

Latest standardized assignees - inventors removed

ARCHITECTURAL PRODUCTS & COMPONENTS

Family 163/200 - FAMPAT - ©Questel

Title

(US3730577)

Magneto-responsive composite molding

Images

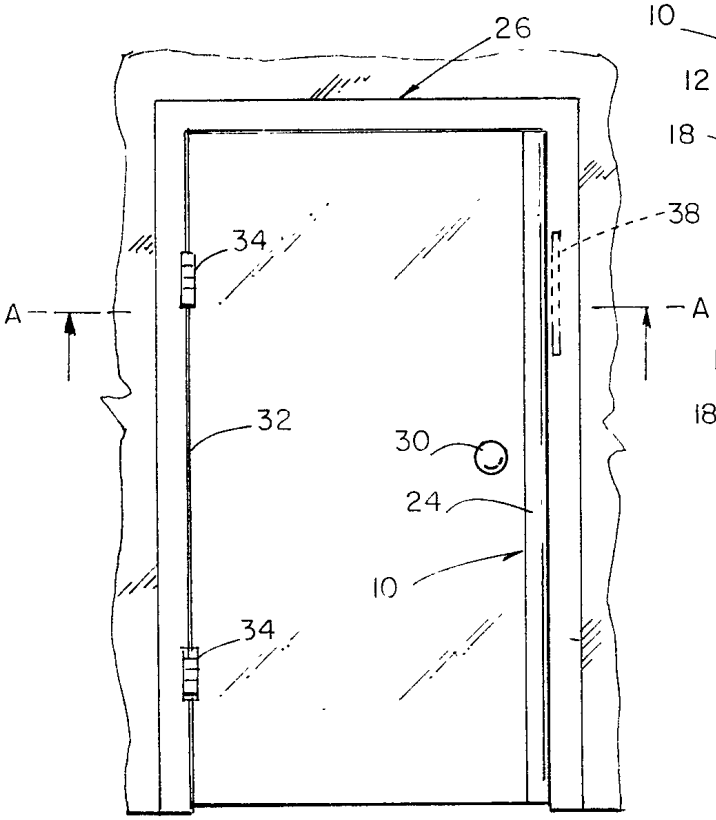


FIG. 1.

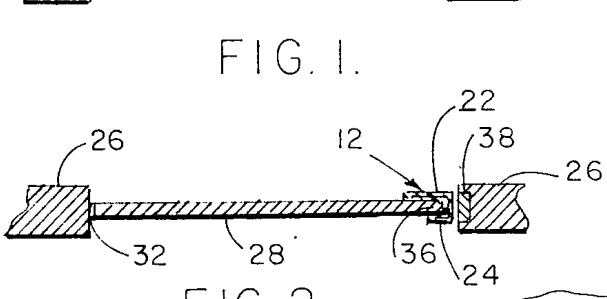


FIG. 2.

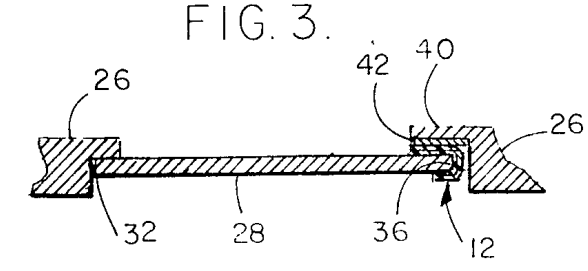


FIG. 3.

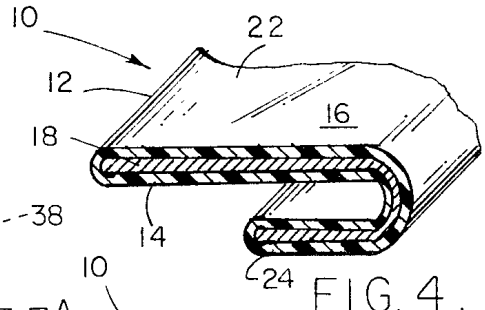


FIG. 4.

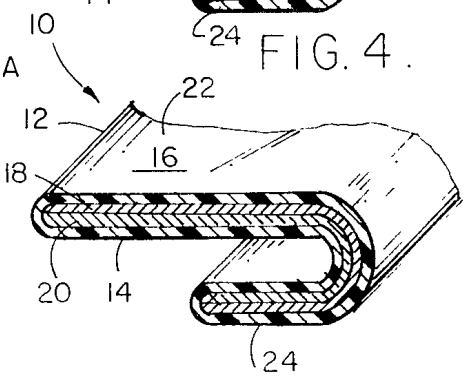


FIG. 5.

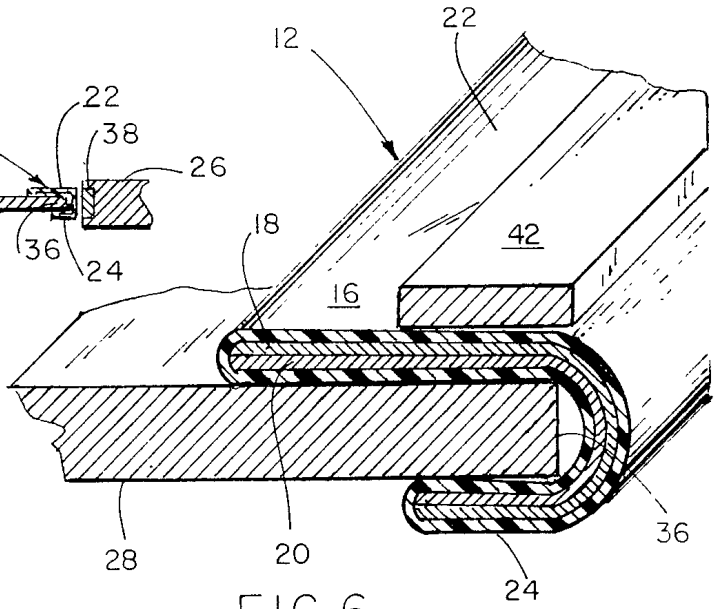


FIG. 6.

VICTOR SHANOK
JESSE P. SHANOK
INVENTORS
BY Friedman and Goodman

Publication data including kind & date

US3730577 A 1973-05-01 US3730577

Abstract

(US3730577)

A magneto-responsive composite molding comprising an elongate casing adapted for operative association with a closure such as a door edge. The casing includes a pair of opposing faces one of which is adapted to contact and be concealed by the a closure or door edge and the other of which is adapted to be exposed relative to the closure or door edge. The composite molding furthermore includes at least one metallic strip which is encapsulated within the casing between the pair of opposing faces of the latter. The metallic strip is constituted of magnetically responsive material for responding to a magnetic force or magnetic forces of a magnetic field provided by a magnetic element mounted in the door frame across which the door edge may be swung.

Inventors

SHANOK V

SHANOK J

Latest standardized assignees - inventors removed

GLASS LAB

Family 164/200 - FAMPAT - ©Questel

Title

(US3658370)

Latching assembly with magnetic locking

Images

SHEET 1 OF 2

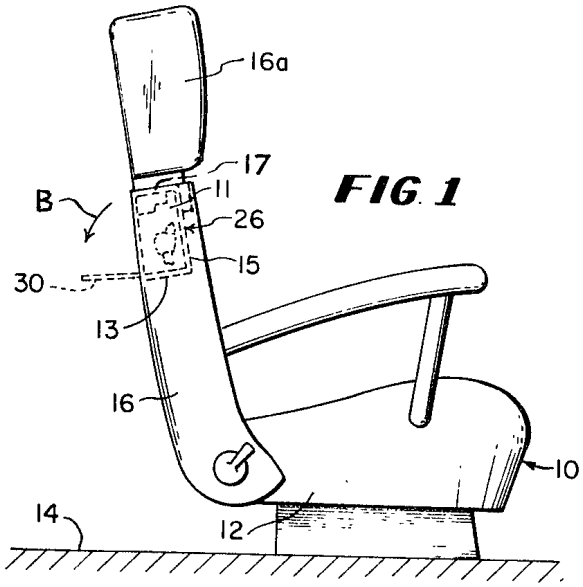


FIG. 1

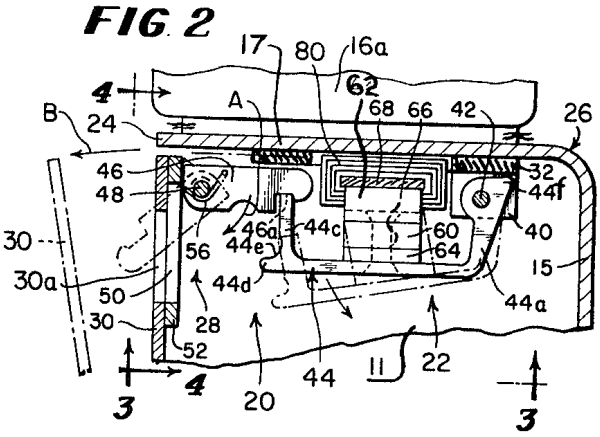


FIG. 2

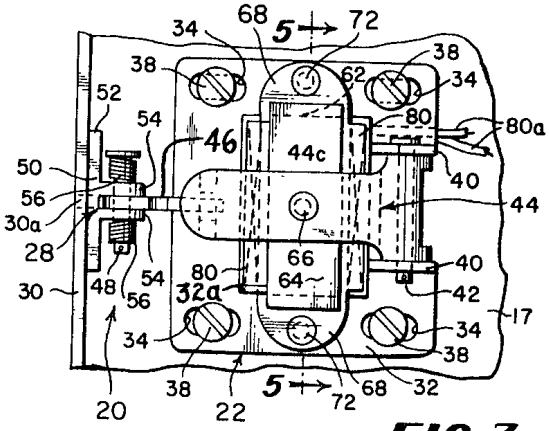


FIG. 3

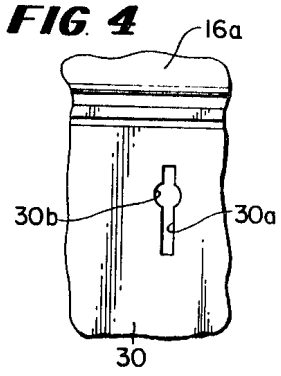


FIG. 4

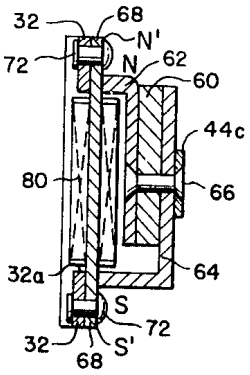


FIG. 5

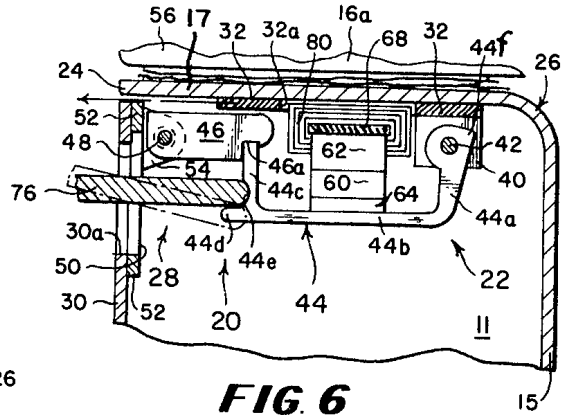


FIG. 6

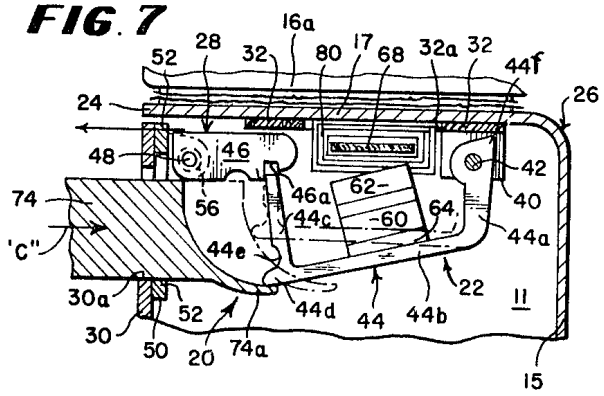


FIG. 7

INVENTOR:
WILLIAM S. WANG

Publication data including kind & date

US3860277	A	1975-01-14	US3860277
US3658370	A	1972-04-25	US3658370

Abstract

(US3658370)

A latching assembly for a door swingable toward and away from a doorjamb or the like between a closed and an open position, comprising a pair of latch members mounted on the door and jamb, respectively, and relatively movable between an engaged latching position and a disengaged unlatched position. Each latch member includes one or more latching surfaces engageable with a latching surface on the other latch member when in the latched position preventing movement of said door relative to said doorjamb. Permanent magnet holding means is provided for holding or locking said latching members in said latched position, and selectively controlled electromagnetic means is used for producing a magnetic unlocking force with a polarity opposing that of said permanent magnet means for unlocking and relatively moving said latching members out of said latched engagement when said door is to be opened.

Inventors

WANG WILLIAM S

Latest standardized assignees - inventors removed

CONS CONTROLS

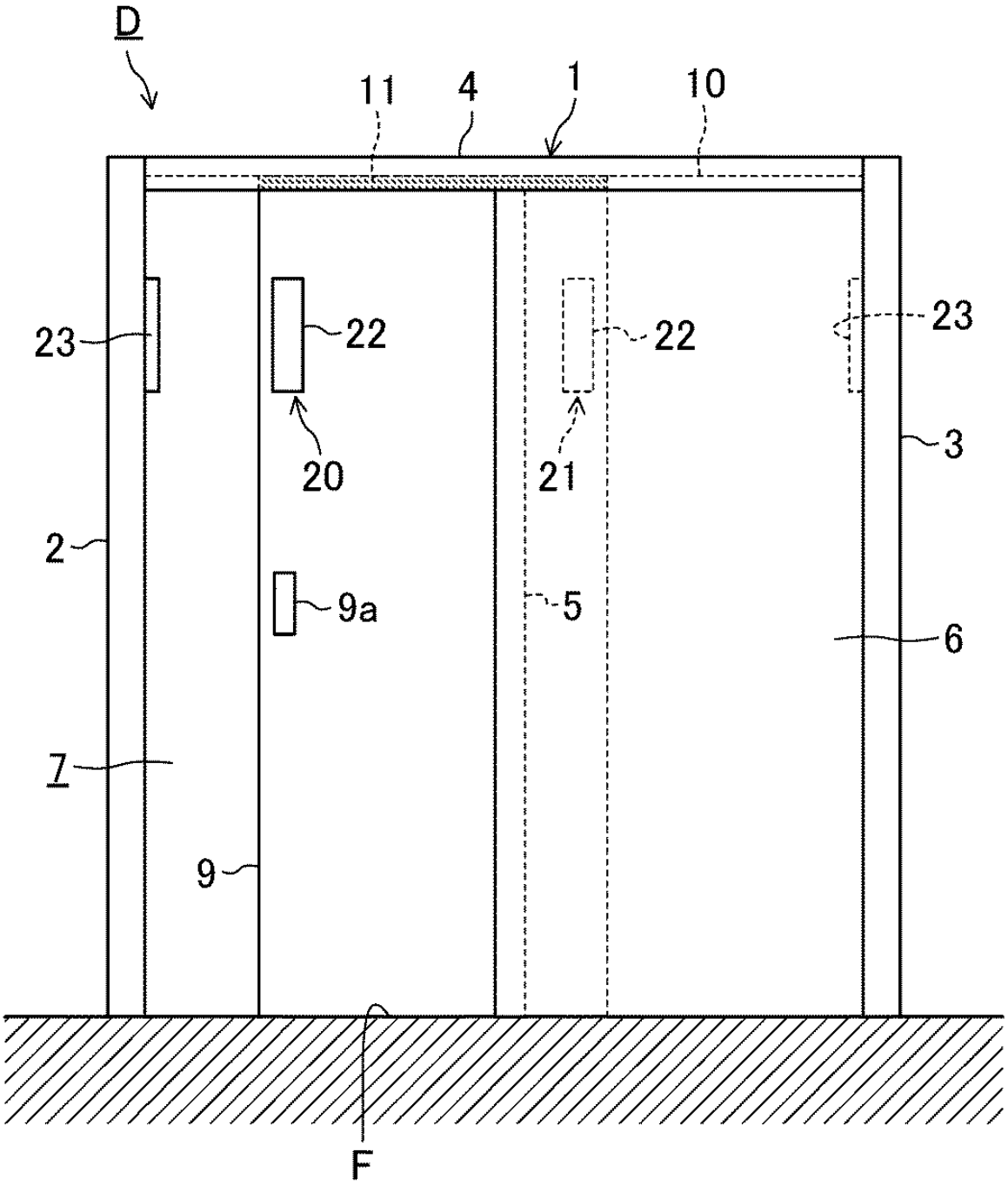
Family 165/200 - FAMPAT - ©Questel

Title

(JP2016030949)

Door device

Images



Publication data including kind & date

JP6031070	B2	2016-10-28	JP6031070
JP2016030949	A	2016-03-07	JP2016030949

Abstract

(JP2016030949)

PROBLEM TO BE SOLVED: To provide a door device with a door 9 that may be operated in an opposite direction with lesser force, by reducing energizing force of a pulling spring of a pulling mechanism 11 that pulls the door 9 to a closed or open position, while fully maintaining the door 9 in the closed or open position.

SOLUTION: A door device includes: a door 9 that opens/closes a door opening 7; a pulling spring that energizes the door 9 in a moving direction at a trigger position near a stopped position when the door 9 moves from a starting position to the stopped position, assuming either an open position or a closed position of the door 9 as the movement starting position and the other as the stopped position; and a buffer mechanism that slows down movement of the door 9 realized by the pulling spring. The door 9 is not fully retained at the stopped position by the pulling spring alone. Magnet 22 is fitted and fixed on the door 9 side and a magnetic member 23 on a door frame 1 side. Thus, the door 9, which has been retained incompletely at the stopped position, is fully pulled in and retained at the stopped position by magnetic force working between the

magnet 22 and the magnetic member 23.

SELECTED DRAWING: Figure 1

Inventors

HIRANO HISASHI

Latest standardized assignees - inventors removed

DAIKEN

Family 166/200 - FAMPAT - ©Questel

Title

(US5944396)

Furniture having a concealed drawer with a dual stage locking mechanism

Images

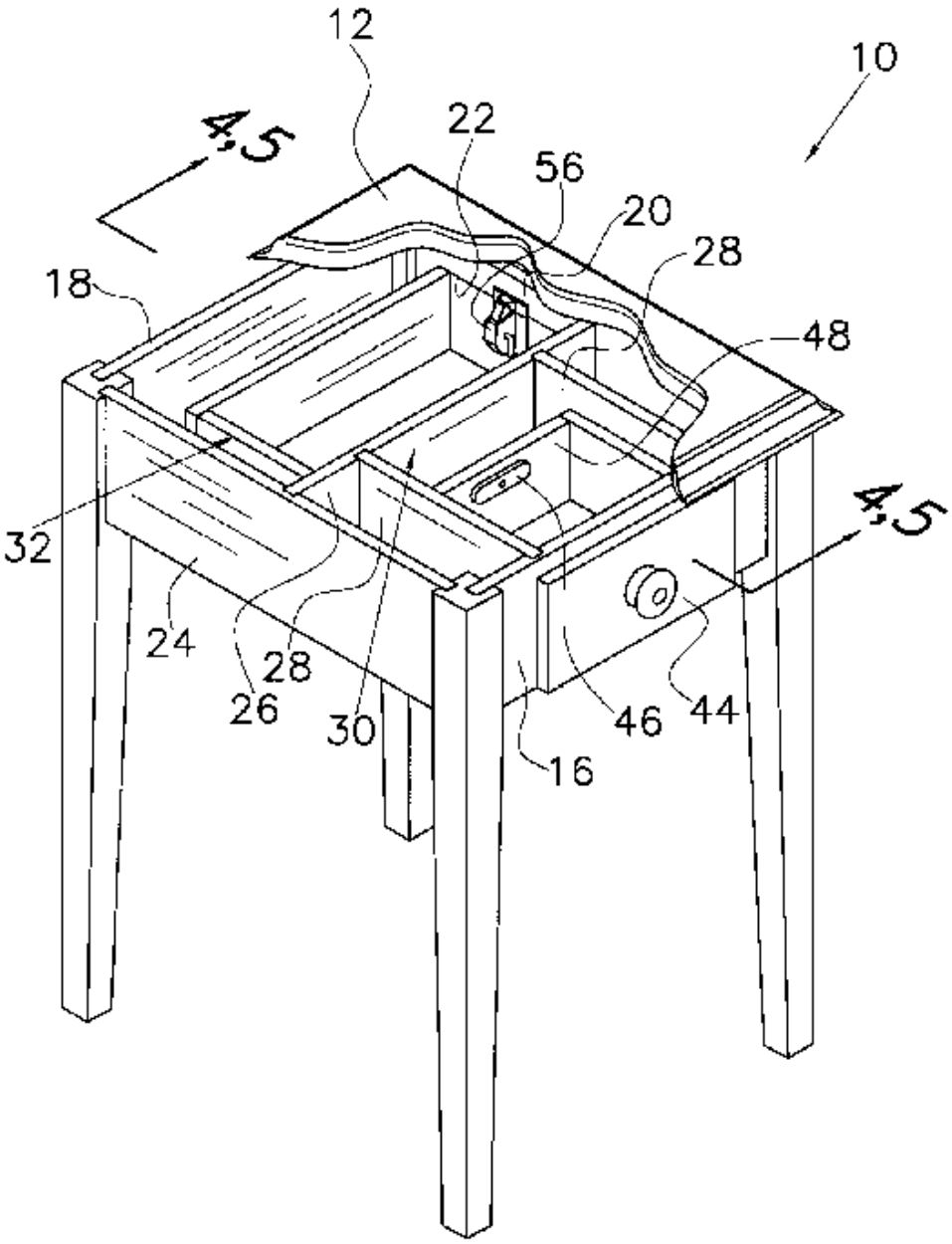


Fig.1

Publication data including kind & date

US5944396 A 1999-08-31 US5944396

Abstract

(US5944396)

A furniture having a concealed drawer with a dual stage locking mechanism for storing and locking particular items in a manner such as to allow two levels of security. The furniture includes a front drawer that is revealed. The front drawer is received within a receptacle defined by a lateral partition disposed proximately at the center of the furniture and a pair of oppositely disposed side aprons. The lateral partition serves to hide the concealed drawer in the event the front drawer is removed. A stop is pivotally mounted to the upper end of the back wall of the front drawer in order to limit the forward travel of the front drawer out of the receptacle. A concealed drawer is disposed behind the lateral partition and on either side or the rear of the furniture. The face of the concealed drawer is configured to look identical to an opposing apron of the

furniture, thereby disguising the concealed drawer to anyone who is unaware of its presence. A bottom panel is secured to the bottom of the furniture in order to conceal both the front drawer and the concealed drawer from view from the underneath of the furniture. A first locking mechanism includes a push-button, key-operated lock which is locked simply by pushing a button, and is unlocked using a key. The first locking mechanism may be disposed on either the bottom of the furniture or on the lateral interior partition of the furniture. A second locking mechanism consists of a magnetically operated lock configured to open when a magnet of an opposite pole from a magnet incorporated in the second locking mechanism is placed near the second locking mechanism.

Inventors

STEPHAN GERALD H

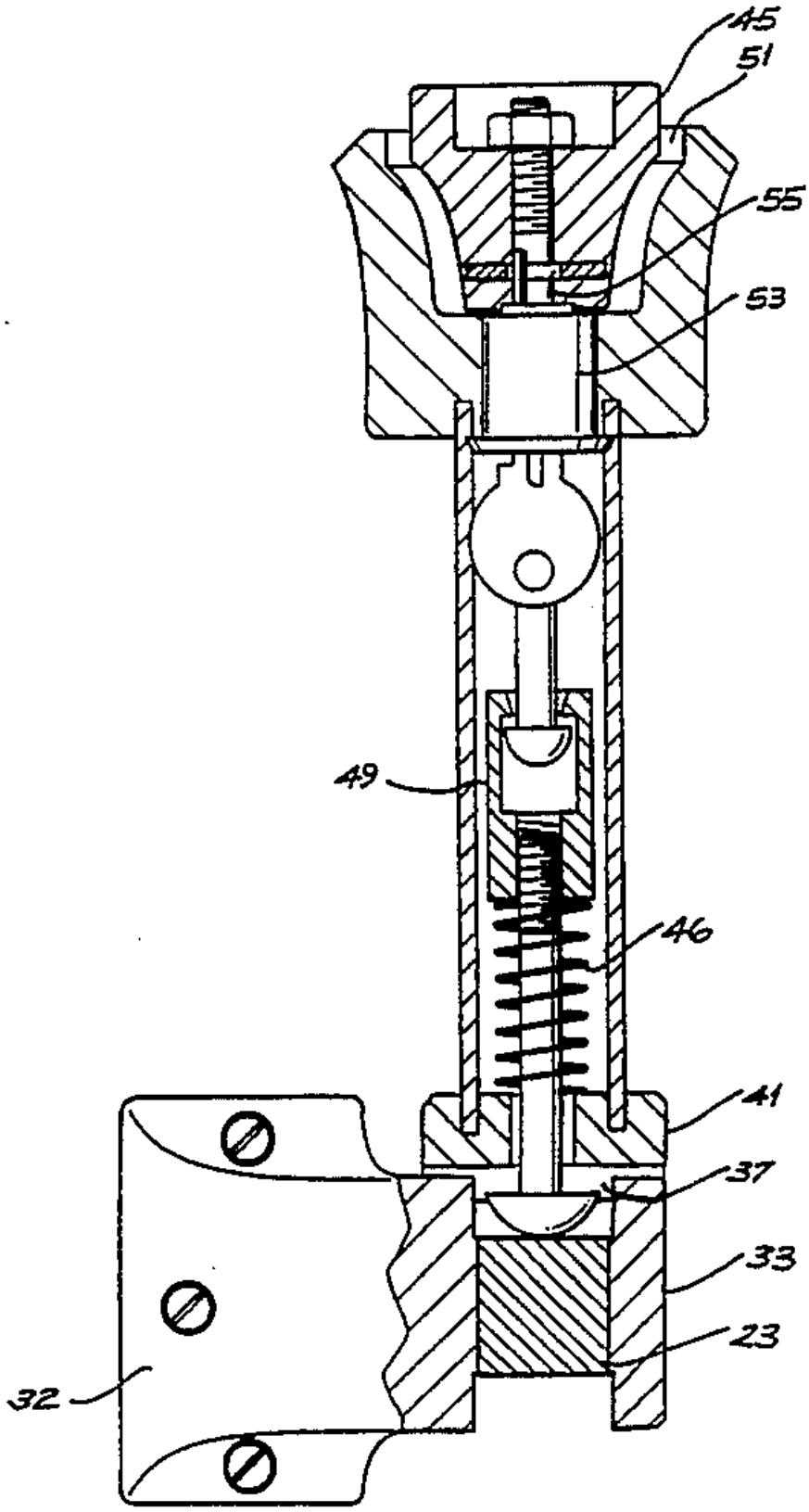
Family 167/200 - FAMPAT - ©Questel

Title

(WO9203631)

A self latching magnetic latching device

Images



Publication data including kind & date

CA2088680	C	1999-11-02	CA2088680
US5362116	A	1994-11-08	US5362116
NZ239369	A	1994-09-27	NZ-239369
AU649664	B2	1994-06-02	AU-649664
WO92/03631	A1	1992-03-05	WO9203631
AU7613891	A	1992-02-20	AU9176138

CA2088680 A1 1992-02-14 CA2088680

Abstract

(WO92/03631)

A self latching device (10) is disclosed which is arranged to latch in a predetermined position, two members (11, 12) which are otherwise movable relative to each other. The device comprises a latch arm (38) arranged to be mounted to one of the members and which is movable between a latched and a retracted position, and a retaining element (30) incorporating a permanent magnet (23) arranged to be mounted to the other member. The latch arm is spring biased into the retracted position but, when in the predetermined position, is caused to move by the magnetic field generated by the magnet (23) into the latched position wherein any substantial relative movement of the two members is prevented by the latch arm (38) engaging the retaining element (30).

Inventors

DOYLE DAVID
DUNNE NEIL

Latest standardized assignees - inventors removed

D & D

Family 168/200 - FAMPAT - ©Questel

Title

(EP1931843)

Locking device

Images

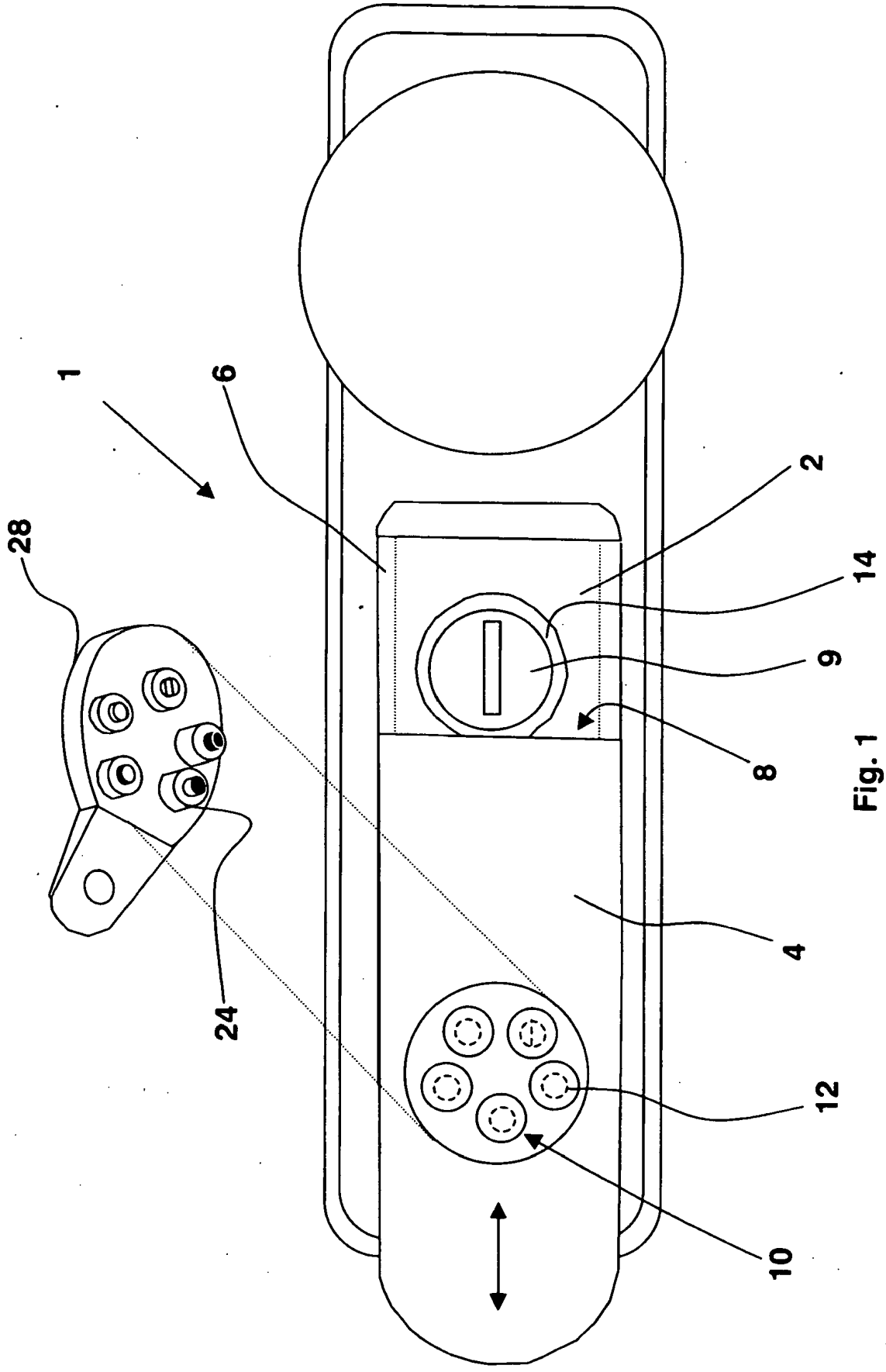


Fig. 1

Publication data including kind & date

DE502006005996	D1	2010-03-11	DE502006005996
AT455916	T	2010-02-15	ATE455916
EP1931843	B1	2010-01-20	EP1931843
EP1931843	A1	2008-06-18	EP1931843

WO2007/036348	A1	2007-04-05	WO200736348
DE202005015298	U1	2007-02-08	DE202005015298

Abstract

(EP1931843)

The invention relates to a locking device (1) comprising a base body (2) and a locking element (4) that can be displaced along a separating plane (8) in relation to the base body and can be stopped by at least one locking rod (12) received in a borehole (10), said locking rod comprising a central upper rod (16) that can be displaced in the locking element (4), inside the borehole (10), in relation to the separating plane (8), a coaxial upper sleeve (18) guiding said upper rod, and a lower sleeve (22) which is subjected to a first elastic force in the direction of the separating plane (8) by means of first elastic means (20). The upper sleeve (18) and the lower sleeve (22) can be displaced from a locking position into a release position, in relation to the separating plane (8), by inserting a key-side closing rod (24) into the borehole (10), enabling the facing front surfaces of the lower sleeve (22) and the upper sleeve (18) to extend in the region of the separating plane (8) in said release position in order to release the displacement of the locking element (4). The invention is characterised in that, when the key-side closing rod (24) is inserted, the central upper rod (16) is displaced by a magnetic force action, in relation to the separating plane (8), in order to release the displacement of the locking element (4).

Inventors

DRUMM KLAUS-PETER

Latest standardized assignees - inventors removed

DRUMM

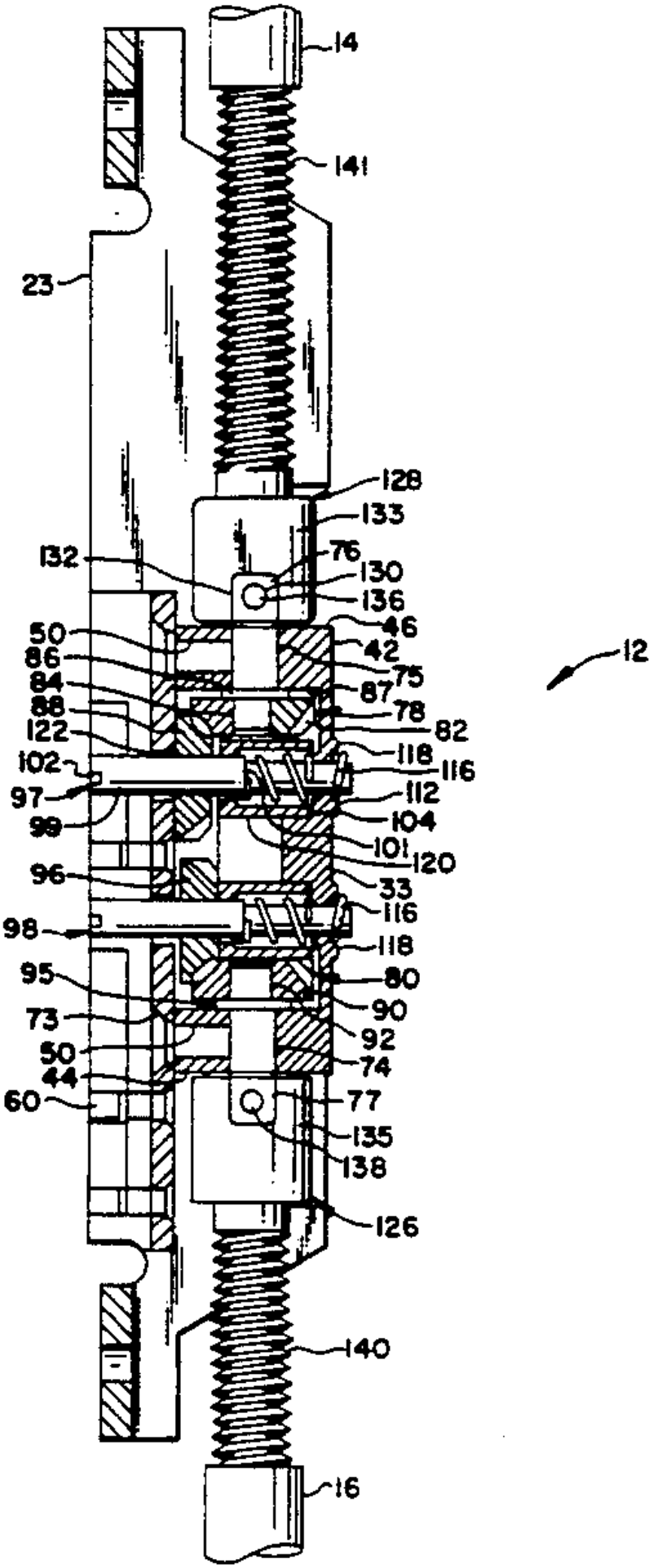
Family 169/200 - FAMPAT - ©Questel

Title

(US5154454)

Concealed exit device with adjustment mechanism

Images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135
138
126
140
16
12

Publication data including kind & date

US5154454 A 1992-10-13 US5154454

Abstract

(US5154454)

A concealed exit device for mounting vertically within a door to cooperate with a threshold latch plate and an overhead latch plate in a door opening for latching and unlatching the door within the door opening. The concealed exit device includes a manually actuated member for mounting in a central portion of the door for manual movement from one side of the door between a normally biased position and an actuated position, upper and lower latching mechanisms for mounting in upper and lower ends of the door for movement between extended latched positions in cooperating latched relation with the overhead and threshold latch plates respectively and retracted unlatched positions out of cooperating relation with the latch plates. The device further includes a motion-transmitting mechanism between the centrally located manual actuating member and the end located upper and lower latching mechanisms for effecting movement of the latching mechanisms from the extended latched positions thereof into the retracted unlatched positions thereof in response to the manual movement of the manual actuating member. The motion-transmitting mechanism includes an upper elongated motion-transmitting member a lower elongated motion-transmitting member, and an adjusting mechanism for adjusting the operative vertical extent of the upper and lower motion-transmitting members to accommodate the vertical extent of the door. The adjusting mechanism can be accessed through cover member while the device is in operating condition.

Inventors

HOLLAWAY WILLIAM G

Latest standardized assignees - inventors removed

MONARCH HARDWARE & MANUFACTURING

SCHLAGE

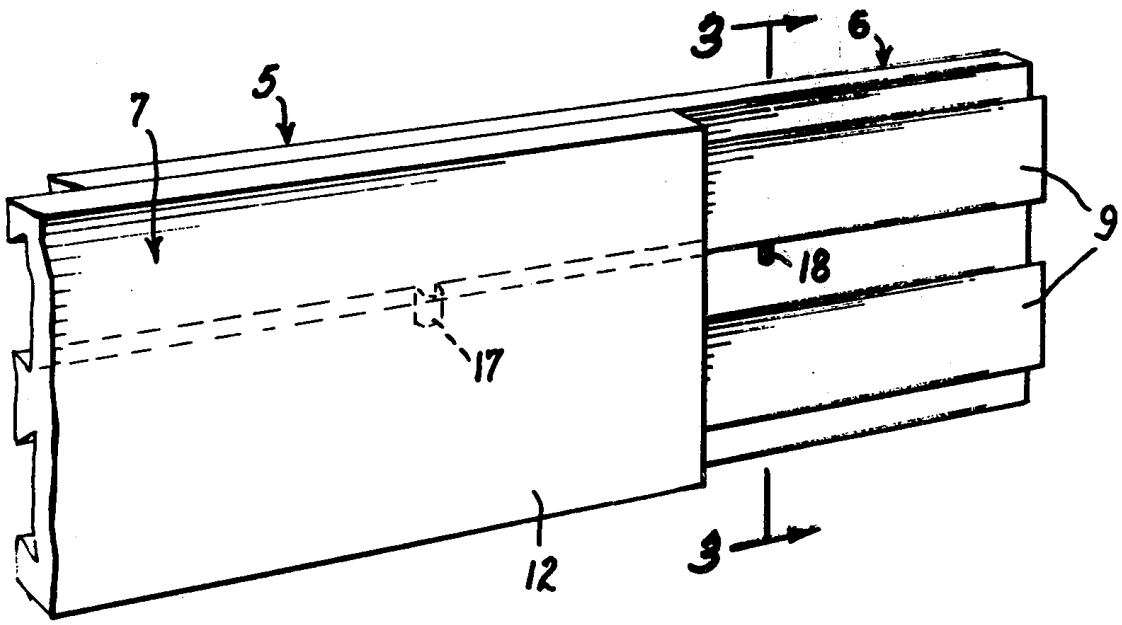
Family 170/200 - FAMPAT - ©Questel

Title

(US4184277)

Lockable name plate

Images



Publication data including kind & date

US4184277 A 1980-01-22 US4184277

Abstract

(US4184277)

A name plate assembly having invisible locking means requiring the use of an externally applied magnet.

The name plate assembly includes the use of a base member having one or more dovetailed type rails on one face and a game plate having corresponding dovetail recesses for slidingly engaging with the rails of the base member. Mounted on the base member is a first magnet means which normally engage with the name plate to hold the name plate locked securely on the base member. The magnet means can only be disengaged from the name plate by the application to the assembly of a second magnet means withdrawing the first magnet means from locking engagement with the name plate.

Inventors

LARIN JEAN

Latest standardized assignees - inventors removed

EMBOSS O PRESTIGE

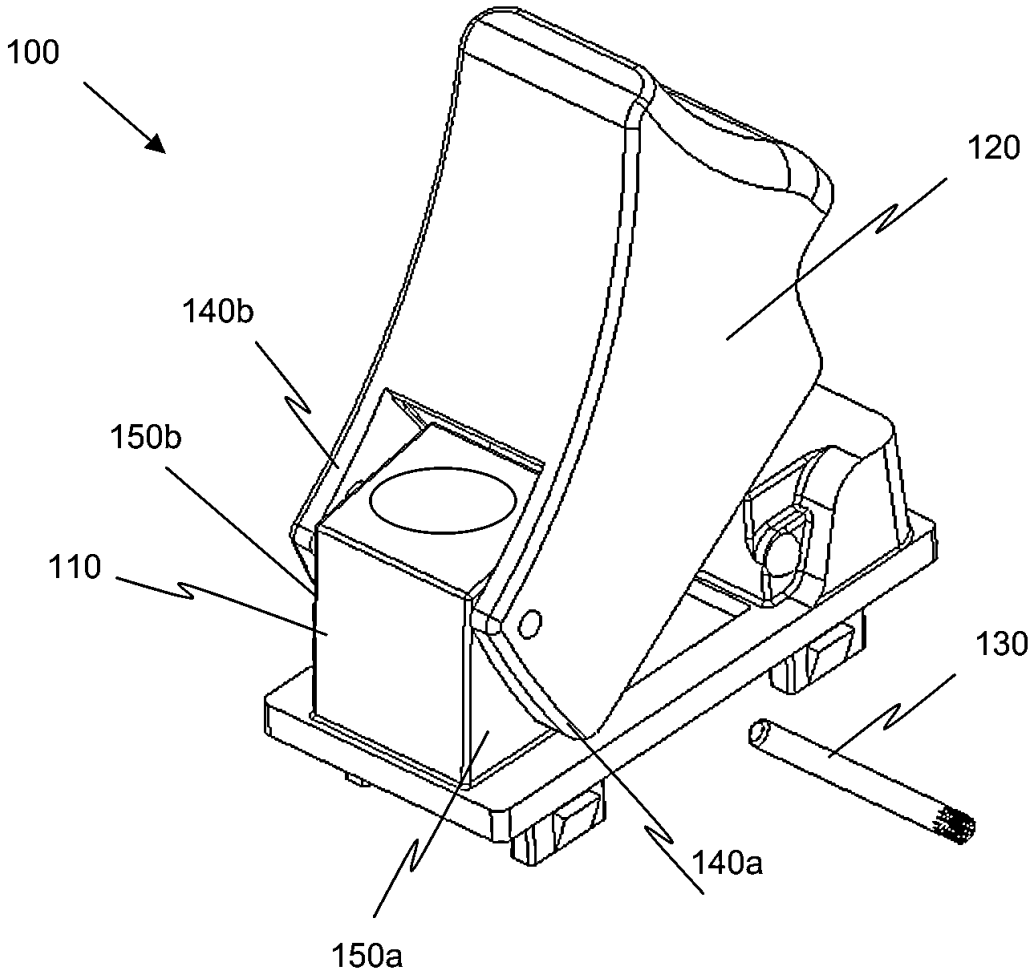
Family 171/200 - FAMPAT - ©Questel

Title

(WO201396379)

Magnetic latch

Images



Publication data including kind & date

US8899636	B2	2014-12-02	US8899636
WO2013/096379	A1	2013-06-27	WO201396379
US20130161962	A1	2013-06-27	US20130161962

Abstract

(WO2013/096379)

A flip cover latch assembly includes a base component, and a flip cover pivotally connected to the base component and configured to pivot between an opened position and a closed position. A first magnet is disposed on the base component at the closed position. The first magnet has a polarity that attracts the flip cover. A second magnet is disposed on the base component at an intermediate position between the closed position and the opened position. The second magnet has a polarity that repels the flip cover. A third magnet is disposed on the base component at the opened position. The third magnet having a polarity that attracts the flip cover.

Inventors

FITZGERALD RICHARD W

LELAND DANA K

Latest standardized assignees - inventors removed

EATON INTELLIGENT POWER

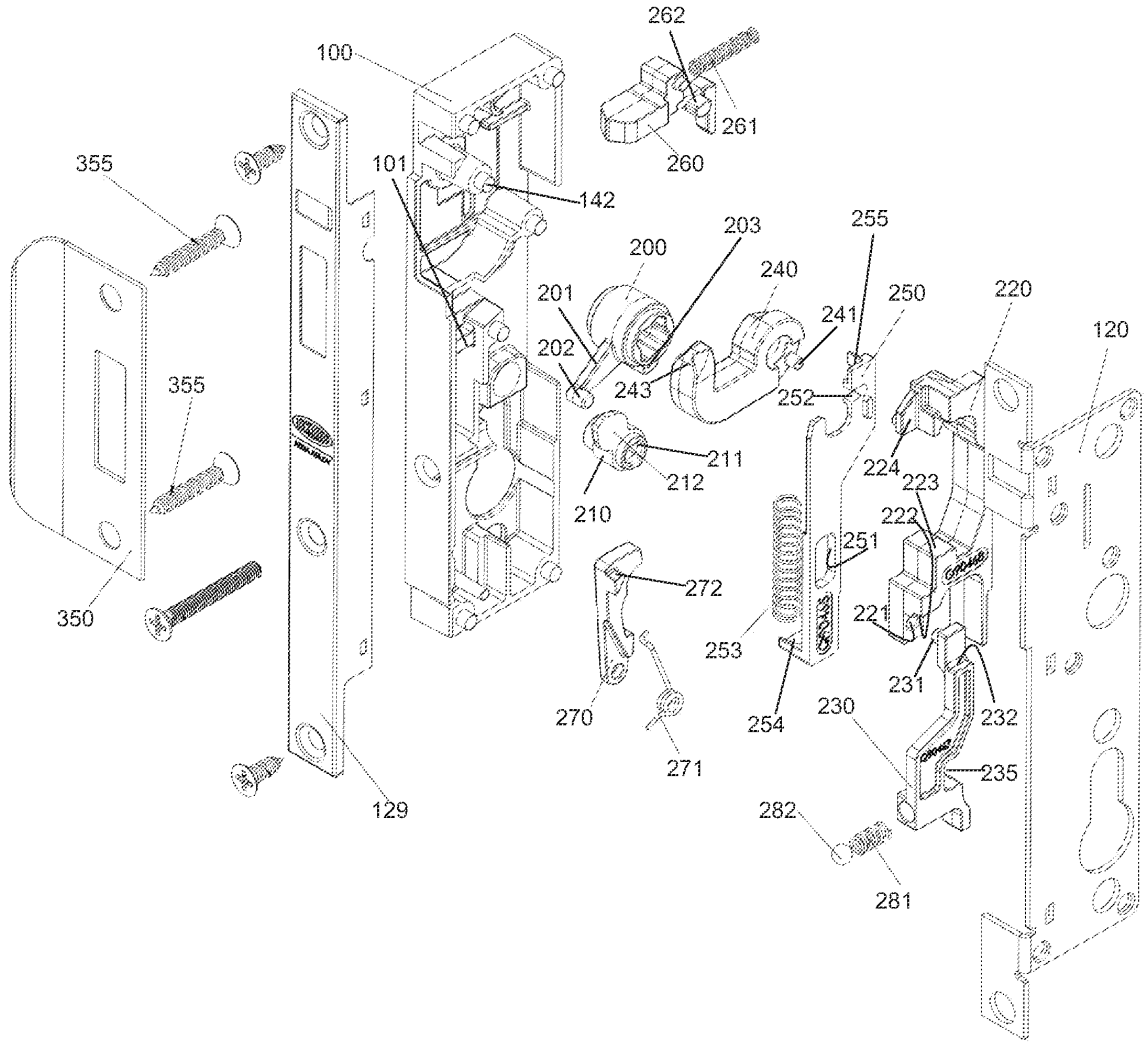
Family 172/200 - FAMPAT - ©Questel

Title

(US8973416)

Lock

Images



Publication data including kind & date

CN103132809	B	2016-12-21	CN103132809B
US8973416	B2	2015-03-10	US8973416
AU2012247085	B2	2014-08-28	AU2012247085
NZ603588	A	2013-08-30	NZ-603588

US20130152647	A1	2013-06-20	US20130152647
AU2012247085	A1	2013-06-13	AU2012247085
CN103132809	A	2013-06-05	CN103132809

Abstract

(US20130152647)

A lock includes a bolt having latching and unlatching positions, and a locking component having a locking position in which the bolt is prevented from moving from the latching position to the unlatching position, and an unlocking position in which the locking component does not prevent the bolt from moving. A lock cylinder includes a cam having unlocking and deadlocking positions. A deadlocking component has a disengaging position in which the deadlocking component does not prevent the locking component from moving from its locking position to its unlocking position; and when the locking component is in its locking position, an engaging position in which the deadlocking component prevents the locking component from moving. When the cam is in its unlocking position, the locking component is in its unlocking position and a deadlocking component is in its disengaging position, and conversely when the cylinder cam is in its deadlocking position.

Inventors

TEREI ANARU

SCLATER PETER GORDON

Latest standardized assignees - inventors removed

ASSA ABLOY

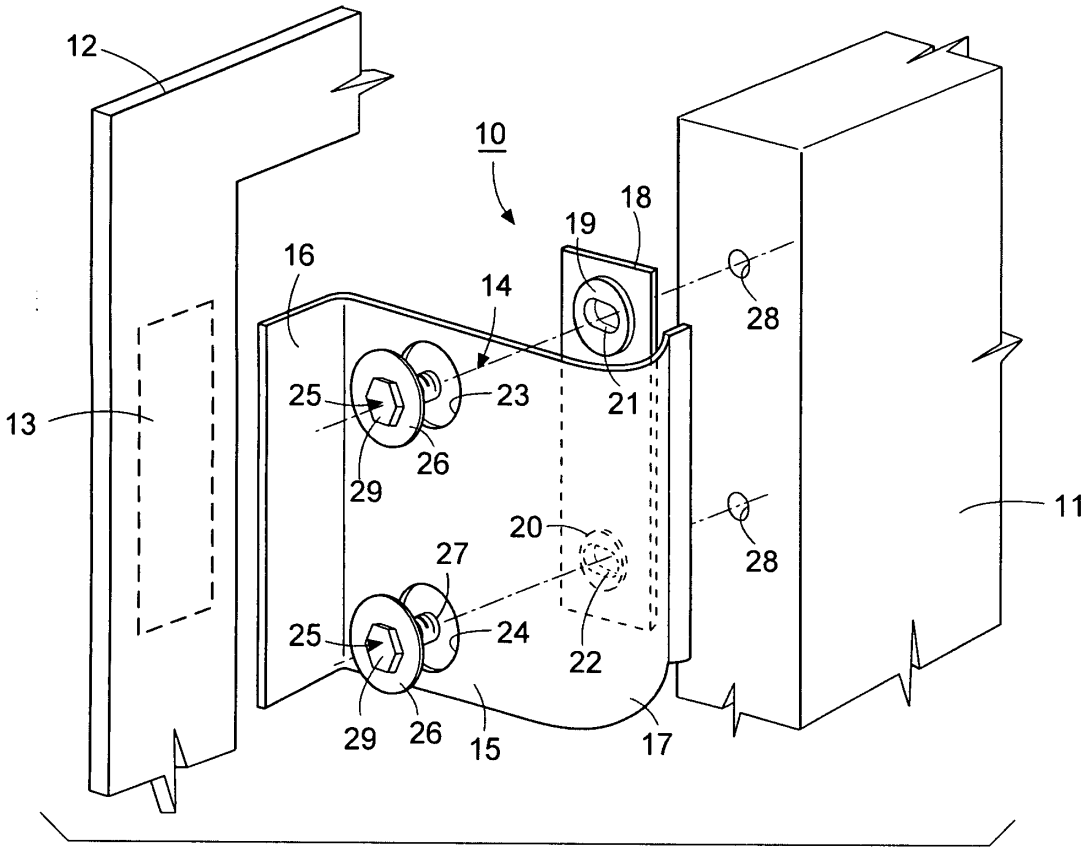
Family 173/200 - FAMPAT - ©Questel

Title

(US20120043768)

Magnetic latch assembly

Images



Publication data including kind & date

US20120043768 A1 2012-02-23 US20120043768

Abstract

(US20120043768)

The latch assembly has a bracket that is mounted to the side of a door and a magnetic latch that is pivotally mounted on the bracket. The latch is pivotal on a protrusion on the bracket and is held in place by a bolt passing through a washer and the bracket into the door. A second smaller protrusion on the bracket is received in an identical opening in the latch that limits the degree of pivoting of the latch relative to the bracket. Upon opening of the door, the latch is gradually “peeled” away from the magnet, i.e., pivots relative to the magnet creating a gap therebetween to reduce the pulling force necessary to open the door.

Inventors

GRAHAM THOMAS

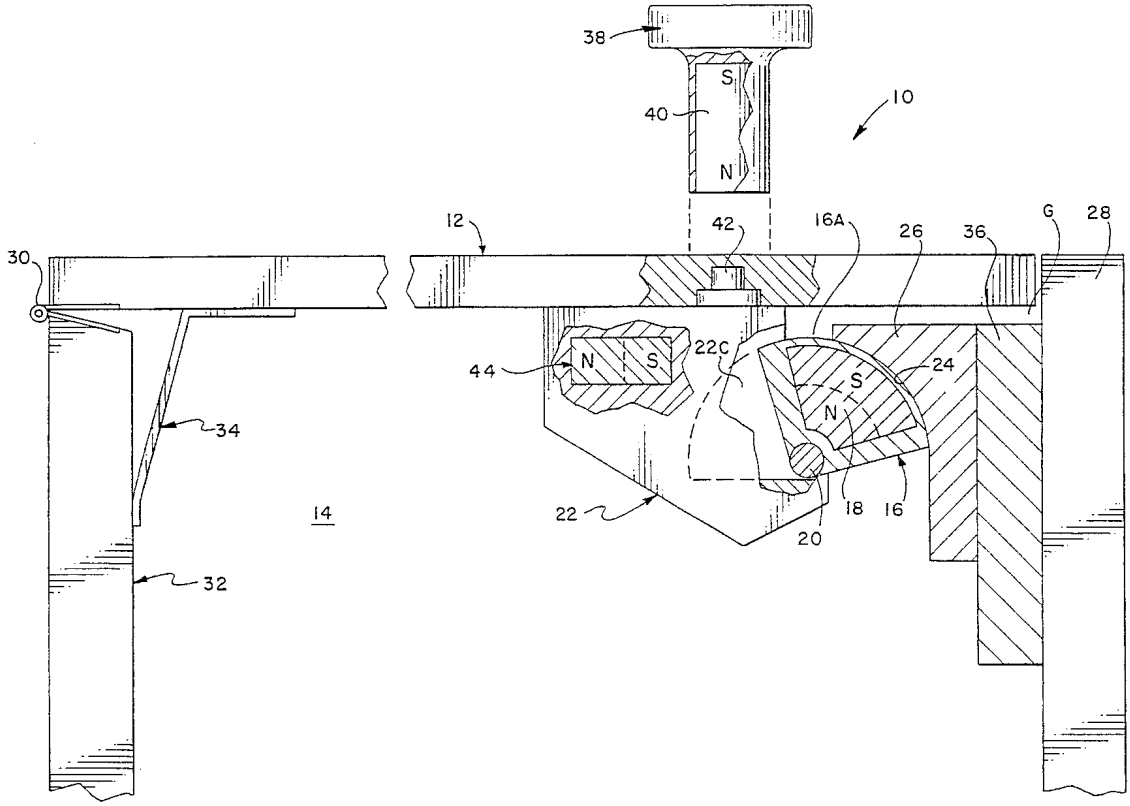
Family 174/200 - FAMPAT - ©Questel

Title

(US5485733)

Concealed magnetic lock for cabinet closure

Images



Publication data including kind & date

US5485733 A 1996-01-23 US5485733

Abstract

(US5485733)

A magnetic lock has a latch magnet positioned on a pivotal latch. An axial section of the pivotal latch is attached pivotally to a latch housing at a latch axis. The latch housing is attached to an inside of a compartment closure that is closeable against a frame to which a latch plate is attached. A plate-contact end of the pivotal latch is extended outward radially from the axial section of the pivotal latch. An axial-end magnetic pole of the latch magnet is positioned proximate the axial section of the pivotal latch. An actuation-end magnetic pole of the latch magnet is positioned proximate the plate-contact end of the pivotal latch. A reset magnet is positioned on the latch housing at an opposite side of the latch axis from a latch-plate side of the pivotal latch. Magnetic poles of the reset magnet are positioned in like-pole-to-like-pole relationship to the

latch magnet, such that the reset magnet repels the latch magnet to actuate the pivotal latch in a direction of engagement with the latch plate. A magnetic handle having a key magnet stronger than the reset magnet is positional in opposite-pole relationship to the latch magnet at an opposite side of the compartment closure from the latch housing when desired to disengage the pivotal latch from the latch plate.

Inventors

HOFFMAN CHARLES G

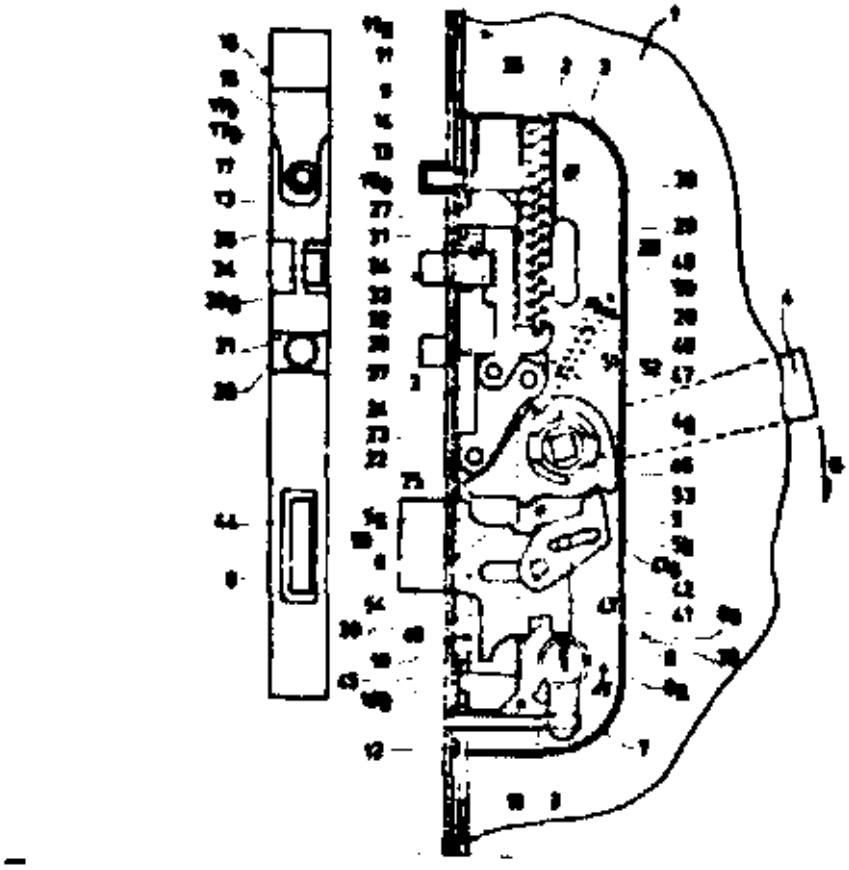
Family 175/200 - FAMPAT - ©Questel

Title

(FR2486135)

Automatic door locking catch - includes sliding rods carrying tabs which releasably engage into door jamb

Images



Publication data including kind & date

FR2486135	B1	1983-12-30	FR2486135
FR2486135	A1	1982-01-08	FR2486135
ES497088	A0	1981-10-01	ES-497088
ES8107353	A1	1981-10-01	ES8107353

Abstract

(FR2486135)

The automatic door lock includes sliding rods carrying tabs which releasably engage into the door jamb. The rods are moved by a linkage actuated by a handle via a lever. One part of the lever is pivoted to the linkage about an axis and another is pivoted to an arm about a parallel axis. When the door is opened, the arm is held against a compressed spring by a latch allowing the lever to pivot about the axis and the rods to slide, disengaging the tabs from the door jamb.

Inventors

MATHIEU JEAN-CLAUDE
MOREAU JACQUES
MANGIN ROBERT
GOUJON MARCEL

Latest standardized assignees - inventors removed

VACHETTE

Family 176/200 - FAMPAT - ©Questel

Title

(WO201942819)

Lock

Images

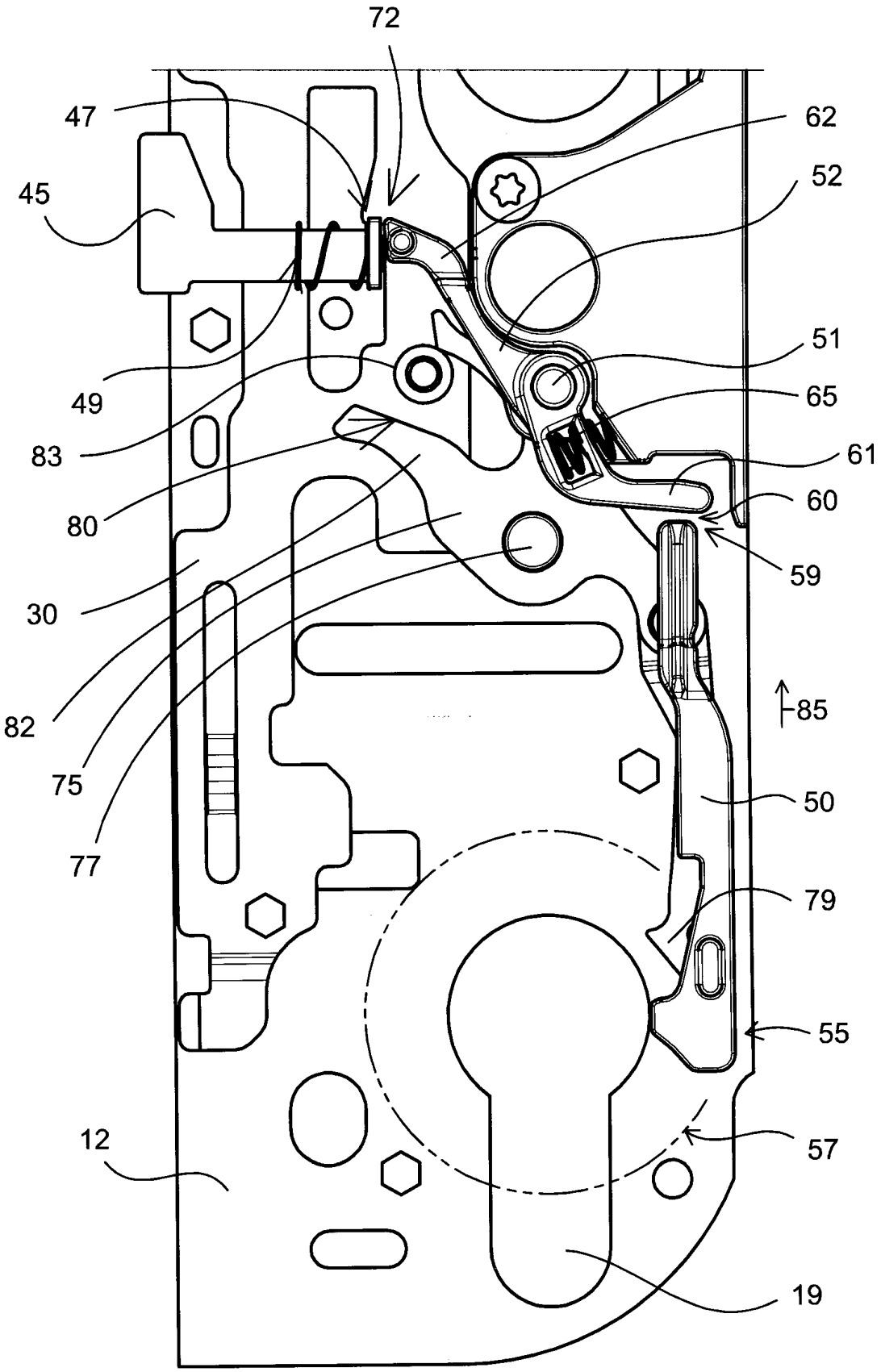


Fig. 4

Publication data including kind & date

WO2019/042819	A1	2019-03-07	WO201942819
DE102017120316	A1	2019-03-07	DE102017120316

Abstract

(WO2019/042819)

The invention relates to a lock comprising at least one locking element that can be adjusted between a locking position and an unlocking position, at least one securing element that can be adjusted between a securing position and a release position, and an actuatable control element for adjusting the locking element and/or a further moving functional element of the lock. The locking element is retained in the unlocking position by the securing element located in the securing position, and can be automatically adjusted out of the unlocking position into the locking position if the securing element is in the release position. By actuating the control element in a closing direction, the securing element can be moved in the direction of the release position and also the locking element can be moved in the direction of the locking position.

Inventors

BRUCKBAUER GÜNTER

Latest standardized assignees - inventors removed

MACO TECHNOLOGY

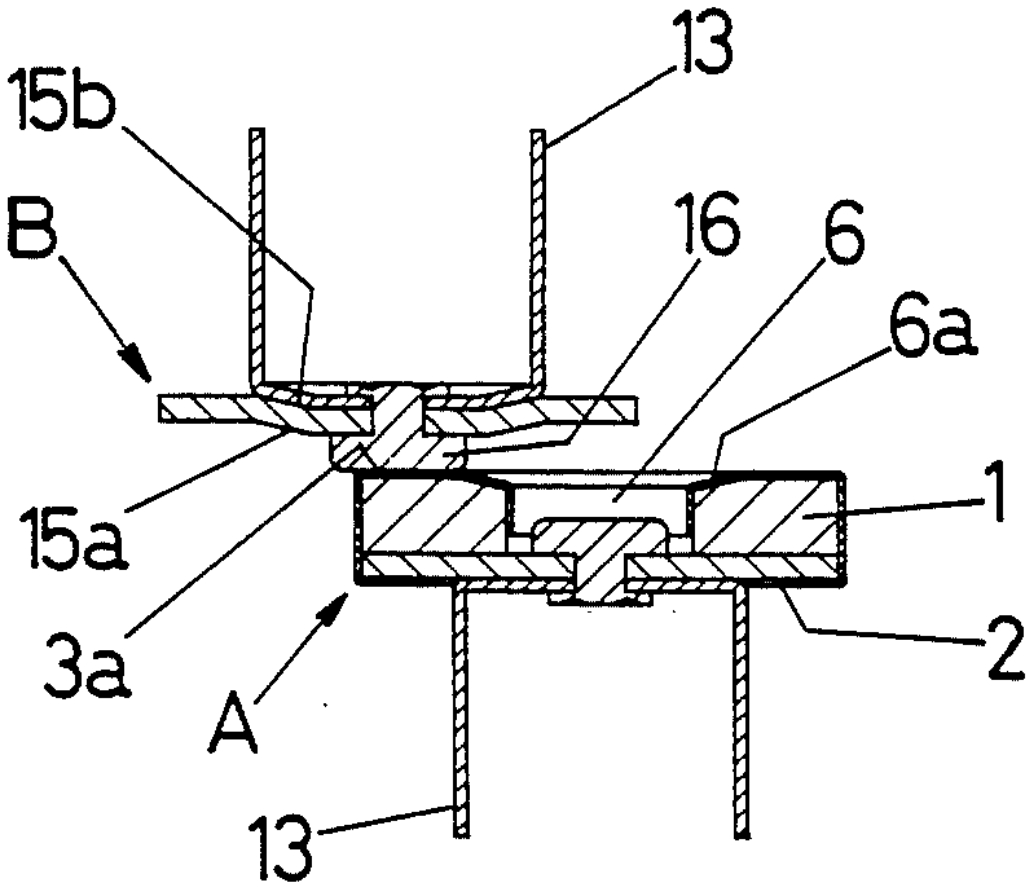
Family 177/200 - FAMPAT - ©Questel

Title

(US4941235)

Magnetic lock closure device

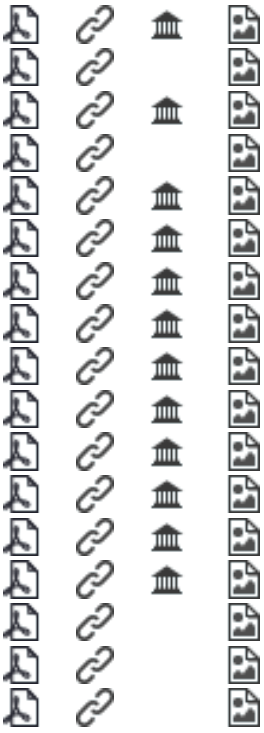
Images



Publication data including kind & date

DE3934174	C2	1999-04-29	DE3934174
KR960002905	B1	1996-02-28	KR960002905
CA1336612	C	1995-08-08	CA1336612
FR2639061	B1	1995-07-07	FR2639061
BRPI8904912	A1	1994-08-30	BR8904912
HK92493	A	1993-09-17	HK9300924

GB2223793	B	1992-07-08	GB2223793
CN1017270	B	1992-07-01	CN1017270B
IT1235271	B	1992-06-26	IT1235271
AU622479	B2	1992-04-09	AU-622479
PH25662	A	1991-09-04	PH--25662
ES2015500	A6	1990-08-16	ES2015500
US4941235	A	1990-07-17	US4941235
FR2639061	A1	1990-05-18	FR2639061
CN1042028	A	1990-05-09	CN1042028
BR8904912	A	1990-05-08	BR8904912
KR19900005918	A	1990-05-07	KR19900005918
AU4123089	A	1990-04-26	AU8941230
DE3934174	A1	1990-04-19	DE3934174
GB2223793	A	1990-04-18	GB2223793
JPH02105503	A	1990-04-18	JP02105503
GB8920970	D0	1989-11-01	GB8920970
IT8921816	V0	1989-09-27	IT8921816U
IT8921851	D0	1989-09-27	IT8921851



Abstract

(US4941235)

A magnetic lock closure device has a first part or magnetically attracting part and a second part or magnetically attracted part, the first part including an annular permanent magnet having a center bore, a first ferromagnetic member formed like a disk plate and attached to one polarity side of the permanent magnet and a nonmagnetic outer cover having a center bore and enclosing the permanent magnet and first ferromagnetic member, and the second part including a second ferromagnetic member formed like a disk plate and adapted to be removably attached to the other polarity side of the permanent magnet. The first and second ferromagnetic members have respective ferromagnetic rods at the center extending therefrom and adapted to meet each other through the center bore when the first and second parts are coupled together. The closure device further has a shape of the permanent magnet and outer cover for accepting the ferromagnetic rod on the second ferromagnetic member and guiding the same into the center bore, and wherein the shape includes a funnel-shaped portion having an outwardly expanded opening extending from the center bore, and a peripheral flat portion extending radially outwardly from said outwardly expanded opening. The second ferromagnetic member may be shaped like a dish having a center bore and adapted to match the shape of the funnel-shaped portion and wherein it has a ferromagnetic rod extending through the center bore of the second ferromagnetic member and secured thereto.

Inventors

AOKI YOSHIHIRO

Latest standardized assignees - inventors removed

APPLIC ART LABO

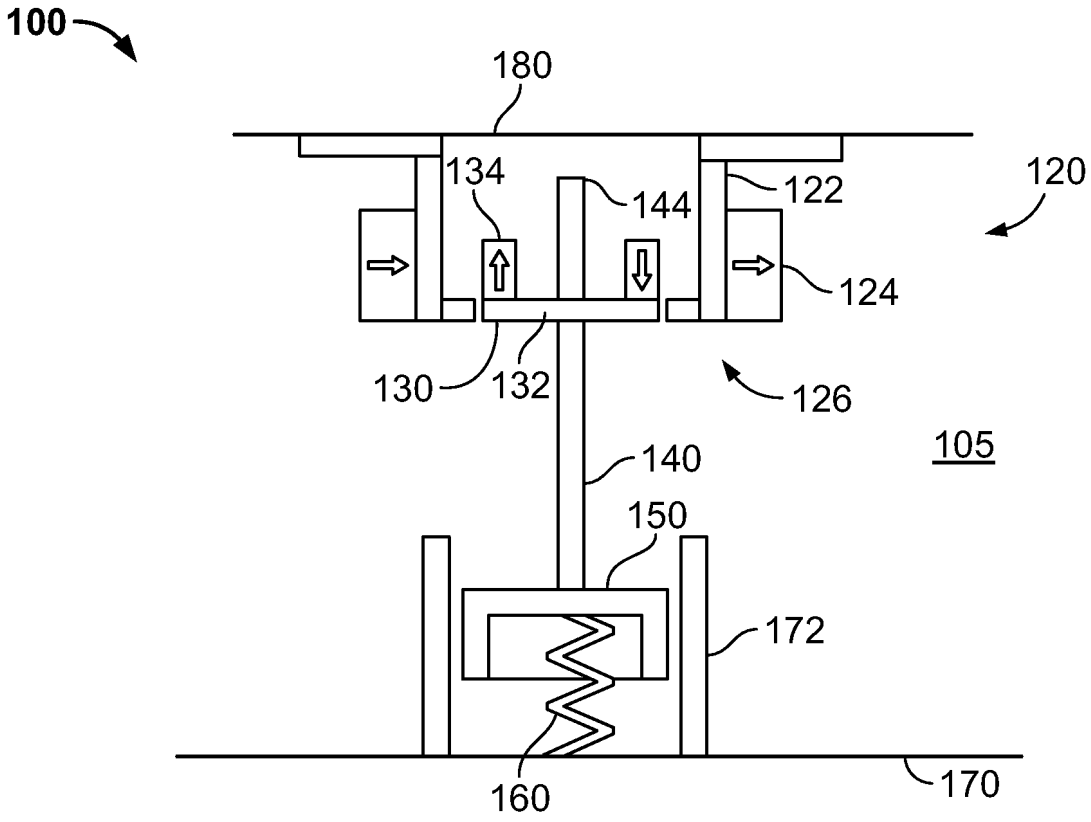
Family 178/200 - FAMPAT - ©Questel

Title

(US8296913)

Thermally switched ferromagnetic latching support system

Images



Publication data including kind & date

US8296913	B2	2012-10-30	US8296913
US20100244343	A1	2010-09-30	US20100244343

Abstract

(US20100244343)

A ferromagnetic latching support system for positioning a surface is disclosed. The latching support system includes a mechanical support and a ferromagnetic device.

Inventors

HULL JOHN R

STRASIK MICHAEL

Latest standardized assignees - inventors removed

BOEING

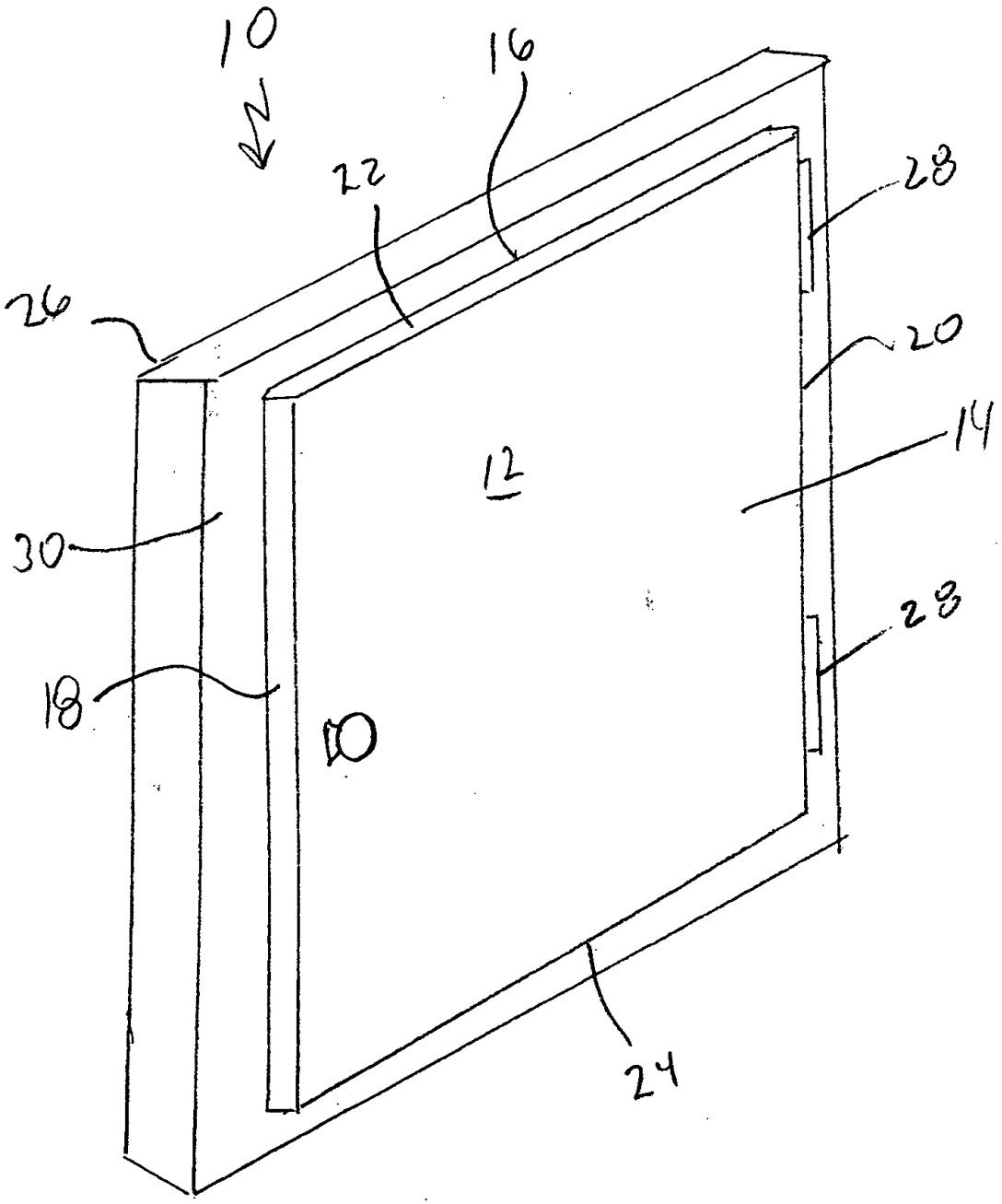
Family 179/200 - FAMPAT - ©Questel

Title

(US20090250949)

Magnetic closure catch for inset doors

Images



Publication data including kind & date

US20090250949 A1 2009-10-08 US20090250949

Abstract

(US20090250949)

A magnetic closure assembly for inset cabinet doors, the assembly including a magnet, preferably a rare earth magnet embedded in a bore in the cabinet door and overlayed with a resilient cushion element or damper which is interposed between the rare earth magnet and a strike plate or armature depending from the rear face of the cabinet frame.

Inventors

SHARPE SCOTT

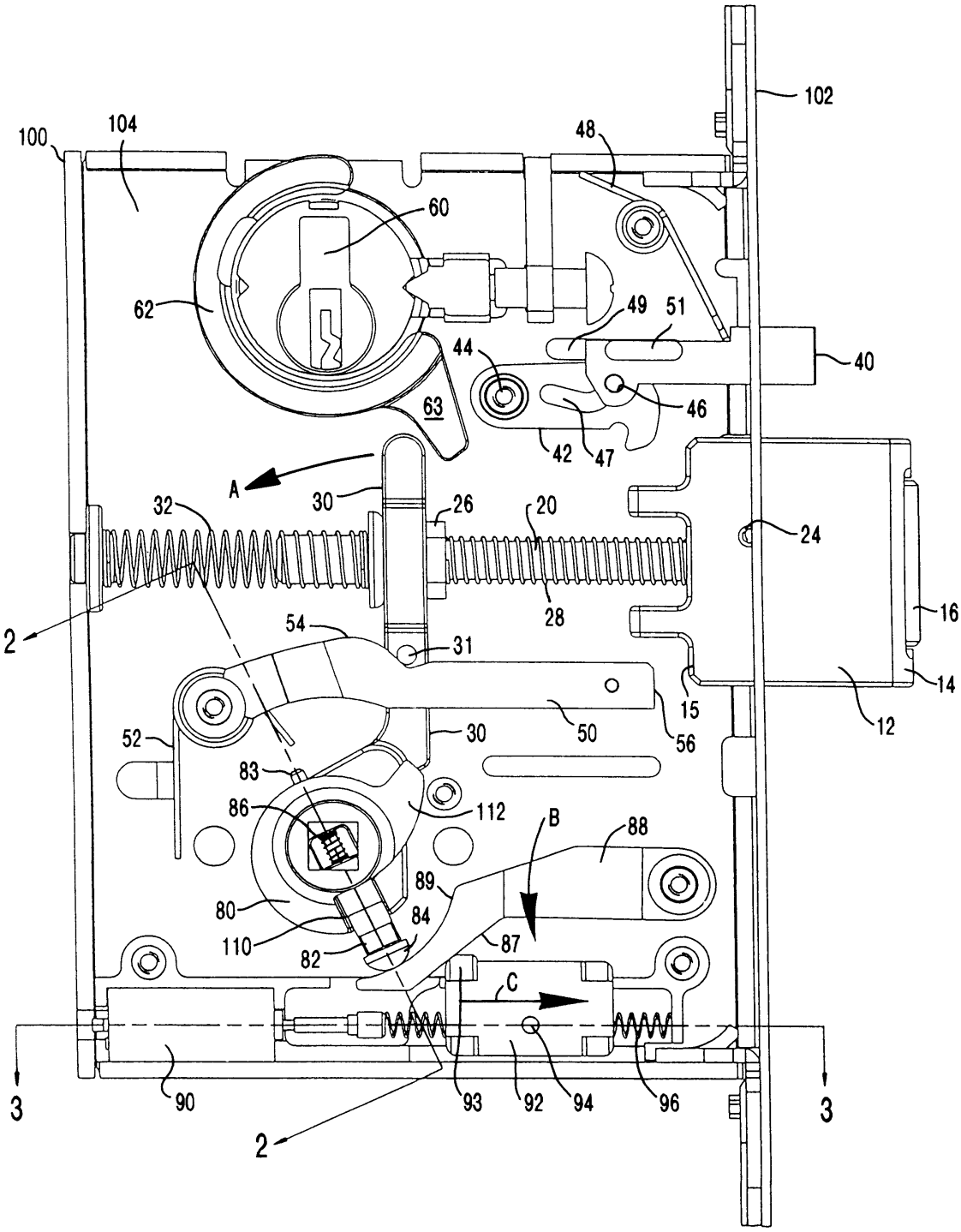
Family 180/200 - FAMPAT - ©Questel

Title

(EP1174570)

Lockset with internal clutch

Images



Publication data including kind & date

DE60127350	T2	2007-11-29	DE60127350
DE60127350	D1	2007-05-03	DE60127350
EP1174570	B1	2007-03-21	EP1174570
US6354121	B1	2002-03-12	US6354121
EP1174570	A1	2002-01-23	EP1174570

Abstract

(EP1174570)

A mortise lockset incorporates an electrically actuated clutch (88,90,92) within the lock case (100). The clutch (88,90,92) selectively engages one latch operator (80) to permit access through a door equipped with the lockset. The lockset further includes a key rotatable cam (62) for retracting the latch (12;13). The lockset includes a lock bar (50) that permits retraction of the latch (12;13) by means external to the lockset. An extended throw deadbolt-like latch (12) is held in a retracted position by an auxiliary latch (40) and hook (42) until released by retraction of the auxiliary latch (40). The latch (12)

incorporates a recessed roller (16) in the projected end (14) of the latch (12) to facilitate latch deployment.

Inventors

FROLOV GEORGE

Latest standardized assignees - inventors removed

SCHLAGE

Family 181/200 - FAMPAT - ©Questel

Title

(US5758913)

Impact resistant electromagnetic lock

Images

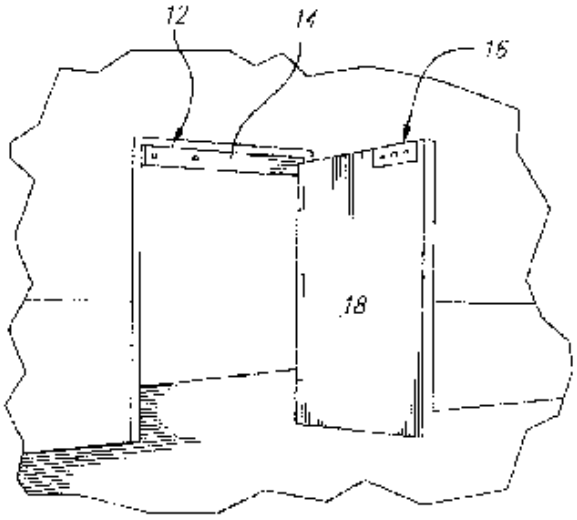


FIG. 1

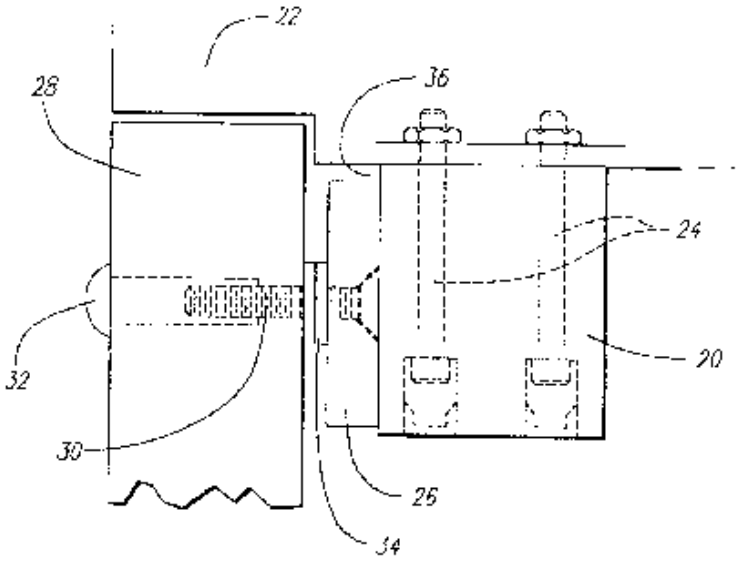


FIG. 2
PRIOR ART

Publication data including kind & date

US5758913 A 1998-06-02 US5758913

Abstract

(US5758913)

An impact resistant electromagnetic lock includes an electromagnet mounted on a door frame, a ferromagnetic strike plate, and an impact-absorbing assembly for mounting the strike plate to the door. The impact-absorbing assembly fits largely within the door, and includes both a plunger coupled to the strike plate and a spring. When an inertial force directed to forcing the door open such as a kick is directed against the door, the plunger compresses the spring. The resilience provided by the spring allows the door a limited amount of inertia-absorbing linear movement, thus greatly decreasing the maximum force experienced by the door and correspondingly increasing the ability of the door to withstand the inertial attack.

Inventors

ROTH THOMAS E

WOJDAN DENNIS E

Latest standardized assignees - inventors removed

HANCHETT ENTRY SYSTEMS

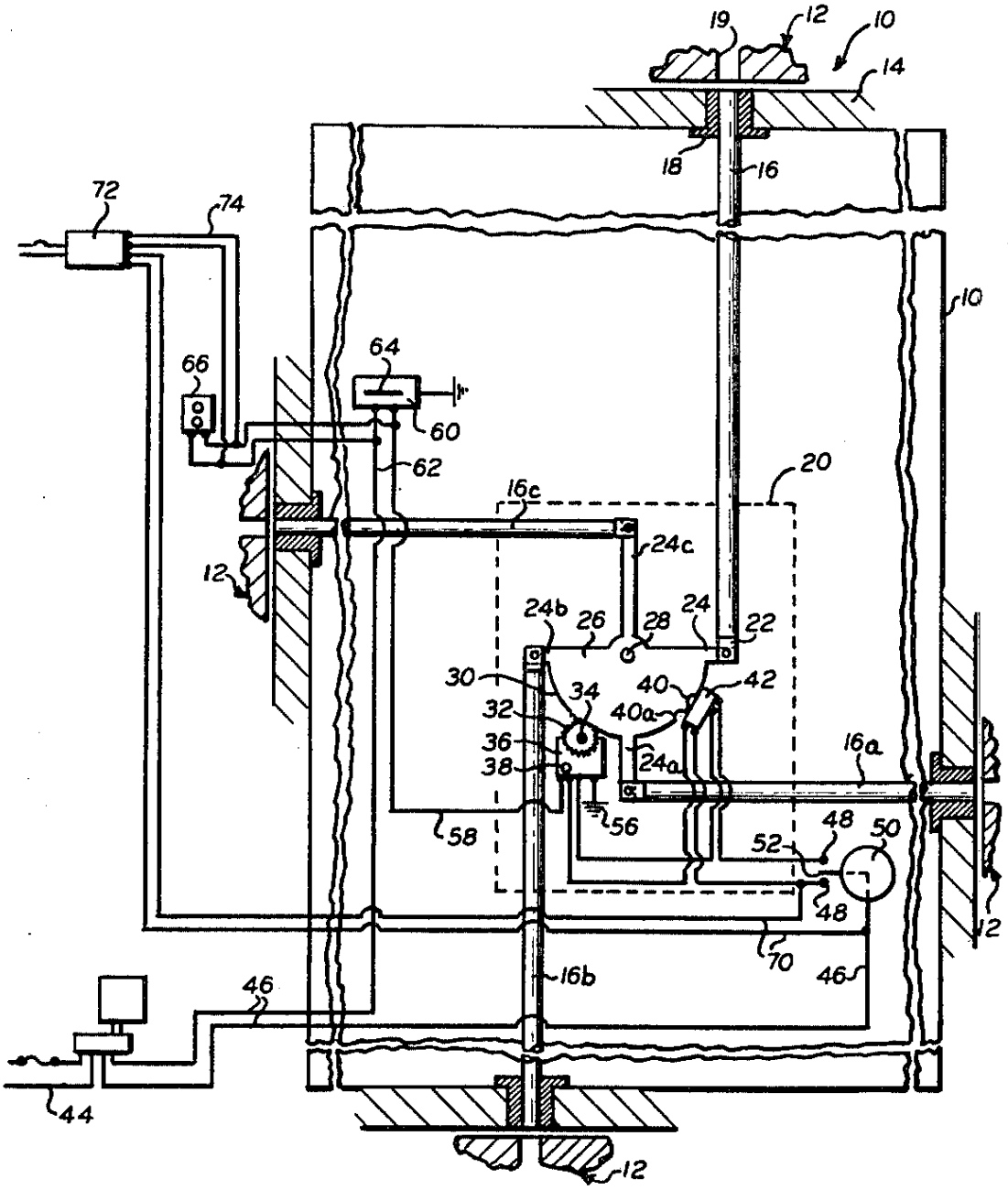
Family 182/200 - FAMPAT - ©Questel

Title

(US4184349)

Door with magnetically controlled lock

Images



Publication data including kind & date

US4184349 A 1980-01-22 US4184349

Abstract

(US4184349)

This is a burglar-proof door for apartments or houses and it is held closed by bolts extending from within the door and into sockets in the frame that surrounds the door. The door has hinges, but in the preferred construction there are four bolts, one on each edge of the door so that the door cannot be opened by removal of the pins from the hinges. An electric motor operates, when a magnetically-coded card is inserted in a slot in the outside of the door, to lock or unlock the door when a handle is turned one way or the other. When there is a serious fire in the apartment or the house, a thermostat causes the door to unlock automatically.

Inventors

ZAKS NATHAN

Family 183/200 - FAMPAT - ©Questel

Title

(EP1424461)

Container, in particular insulated container

Images

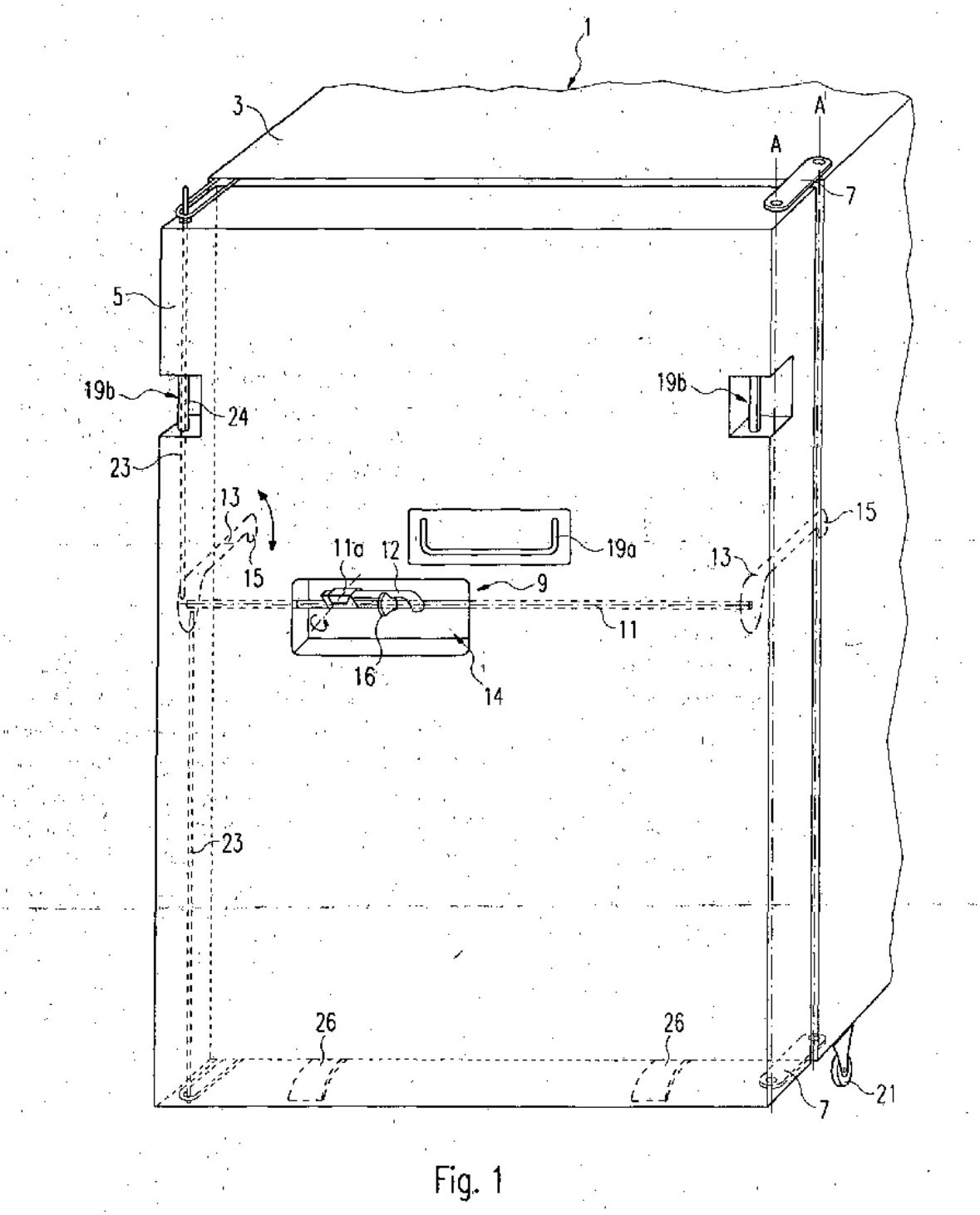


Fig. 1

Publication data including kind & date

DE50309405	D1	2008-04-30	DE50309405
AT389770	T	2008-04-15	ATE389770
EP1424461	B1	2008-03-19	EP1424461
DE10255829	B4	2007-06-06	DE10255829
EP1424461	A3	2005-09-21	EP1424461
DE10255829	A1	2004-06-24	DE10255829
EP1424461	A2	2004-06-02	EP1424461

Abstract

(EP1424461)

Locking arrangement for a container (1), especially an insulating container, consisting of a housing (3) closed by a door (5) comprises a locking device (9) having an actuating element (12) and transferred by this out of a locked into an unlocked

position and vice versa. The locking device has at least two locking elements (13) which lock the door to the housing on the side on which it is hinged to the housing and on the opposite side. An Independent claim is also included for a container, especially an insulating container, comprising the above locking arrangement.

Inventors

HAUSER ERWIN

Latest standardized assignees - inventors removed

GEBHARDT TRANSPORT & LAGERSYSTEME

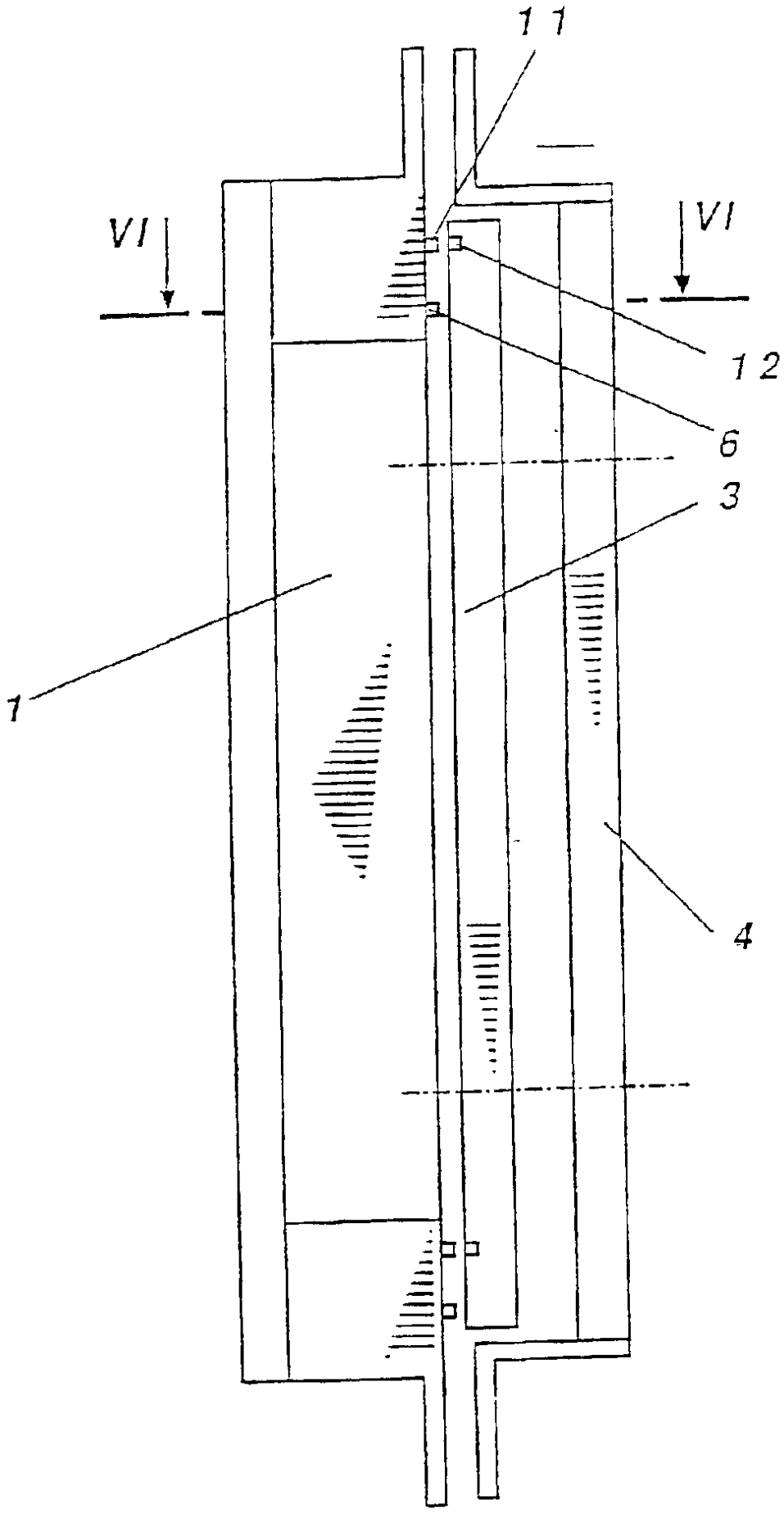
Family 184/200 - FAMPAT - ©Questel

Title

(EP1268964)

Electromagnetic lock

Images


11
VI
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Publication data including kind & date

CA2403913	C	2008-08-19	CA2403913
DE60124881	T2	2007-08-30	DE60124881
ES2276767	T3	2007-07-01	ES2276767
DE60124881	D1	2007-01-11	DE60124881
AT347007	T	2006-12-15	ATE347007
EP1268964	B1	2006-11-29	EP1268964
US6880868	B2	2005-04-19	US6880868
ZA200207764	B	2003-11-28	ZA200207764
US20030057715	A1	2003-03-27	US20030057715
EP1268964	A1	2003-01-02	EP1268964
FR2807089	B1	2002-08-16	FR2807089
AU3565501	A	2001-10-15	AU200135655
WO01/75257	A1	2001-10-11	WO200175257
CA2403913	A1	2001-10-11	CA2403913
FR2807089	A1	2001-10-05	FR2807089

Abstract

(EP1268964)

The invention concerns an electromagnetic lock comprising two parts (1 and 2) one of which consists of an electromagnet and the other comprising a mobile armature (3) capable of moving to counter the return springs when the electromagnet is energized. The invention is characterised in that one of the parts has, at least one protuberance (6), extending from one edge (7) of the corresponding part up to the proximity of the other edge (8), capable of penetrating into a housing (9) of the other part when said parts coincide and the electromagnet is energized, the height of said protuberance being less than the distance normally separating the two parts when the electromagnet is not energized.

Inventors

BRAMI DANIEL SALOMON

EL MECHALI ISAAC

DEFERT JEAN MICHEL

Latest standardized assignees - inventors removed

DIGIT SOCIETE A RESPONSIBILITE LIMITEE

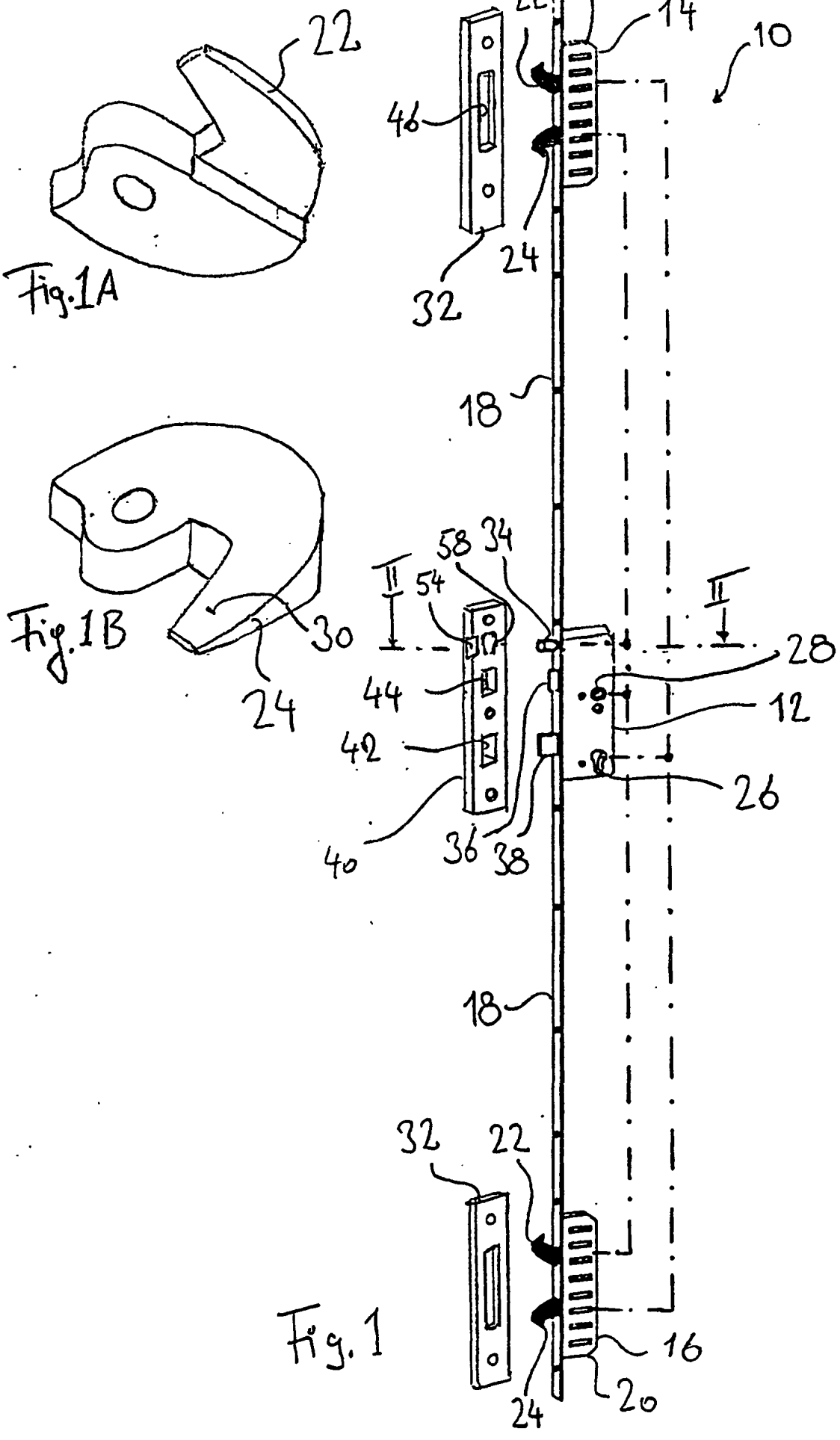
Family 185/200 - FAMPAT - ©Questel

Title

(EP-945572)

Door lock arrangement, preferably espagnolette lock

Images



Publication data including kind & date

DE59912939	D1	2006-01-26	DE59912939
AT313677	T	2006-01-15	ATE313677
EP0945572	B1	2005-12-21	EP-945572
EP0945572	A3	2000-08-02	EP-945572
DE19813166	A1	1999-10-14	DE19813166
EP0945572	A2	1999-09-29	EP-945572

Abstract

(EP0945572)

The at least two bolts are positioned on the door-leaf and engage into a locking opening (46) in the door frame. The two bolts are mounted in an additional lock (14,16) and are operated by a door handle mounted on a main lock or and by a lock in the main lock. The second especially swivel bolt (24) and or the second locking opening has or have a sloping part.

Inventors

MUENKER RALF

DINKELBORG ALFRED

STEGMANN CLAUS-PETER

DUERR ELMAR

Latest standardized assignees - inventors removed

WINKHAUS FA AUGUST

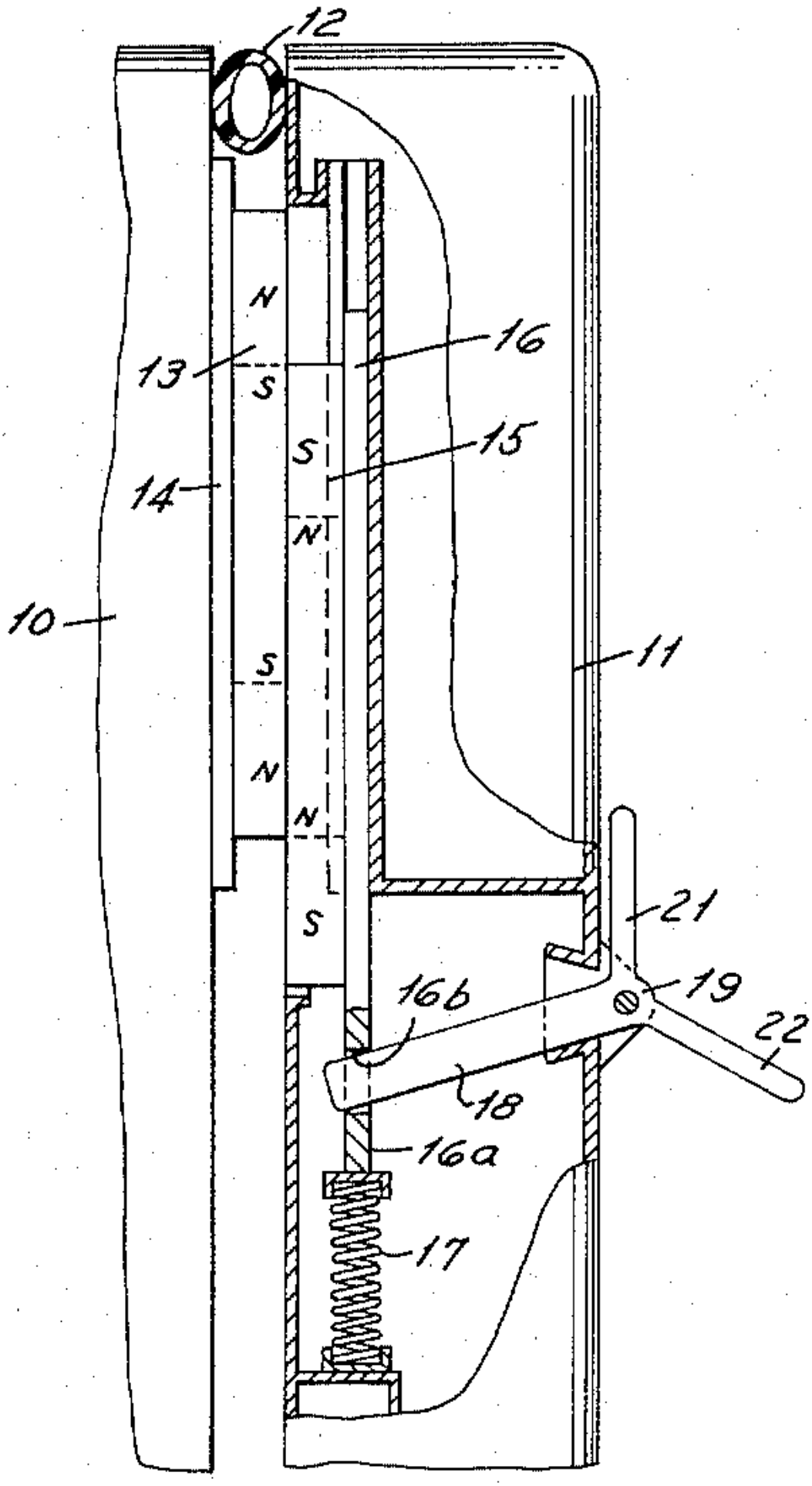
Family 186/200 - FAMPAT - ©Questel

Title

(US3790197)

Magnetic latch

Images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16b
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18
16a
17

Publication data including kind & date

US3790197 A 1974-02-05 US3790197

Abstract

(US3790197)

A magnetic latch has a pair of substantially coextensive permanent bar magnets which can be arranged for mutual attraction positioning to maintain a hinged member in a closed position. One of the magnets is made axially movable with respect to the other so as to assume a mutual repulsion position with the other which will enable the magnets to assist in opening the hinged member. The movable magnet is actuated by a manually operable member such as a lever bar mounted on a pivot on which manually actuated bars are also mounted to enable the movable magnet to be positioned by manual operation of the actuating bars. A biasing spring to reduce the force necessary to be applied to move the magnet is also provided.

Inventors

PARKER R

Latest standardized assignees - inventors removed

GENERAL ELECTRIC

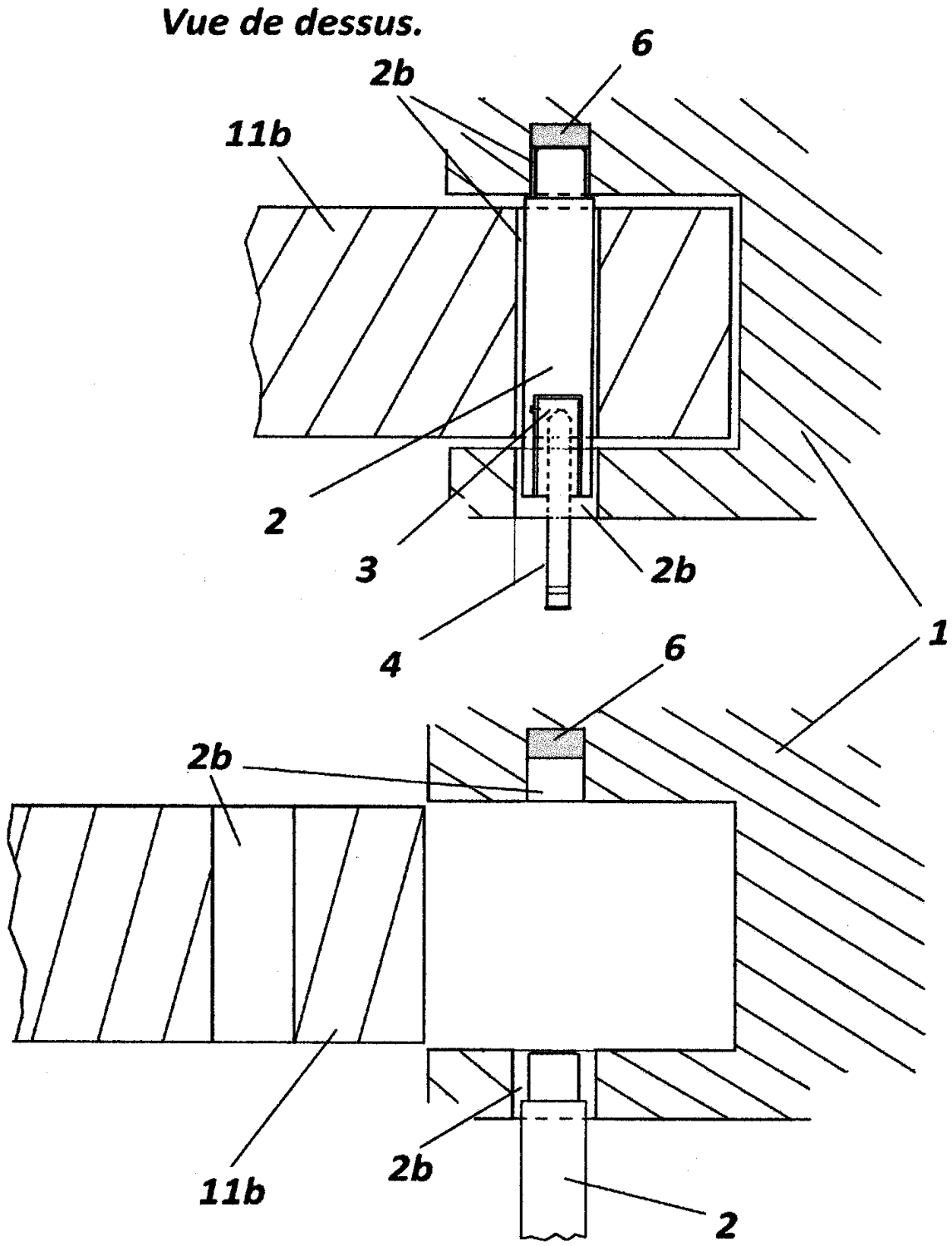
Family 187/200 - FAMPAT - ©Questel

Title

(FR3020084)

MAGNETIC CLOSURE BY MEANS OF AN AXIS OF CLOSURE COMPRISING AT ONE END A BARREL

Images



Publication data including kind & date

FR3020084 A1 2015-10-23 FR3020084

Abstract

(FR3020084)

The invention relates to a device that is very simple closure which is applicable directly to the object to be secured but also allowing the locking of lock, or padlock locks.

It consists of a closing rod (2) passing through the (1) body of the post and closing of the door (11b) via the holes (2b) where it retracts; magnetically retained in this position by the magnet (6) it holds the door in the closed position, the opening being carried out by removal of the closure (2) axis by means of tension exerted on the key (4) allowing the pulling said closing rod (2) by means of the barrel (3).

Inventors

LE BLEIS DIDIER ROLAND EMILE

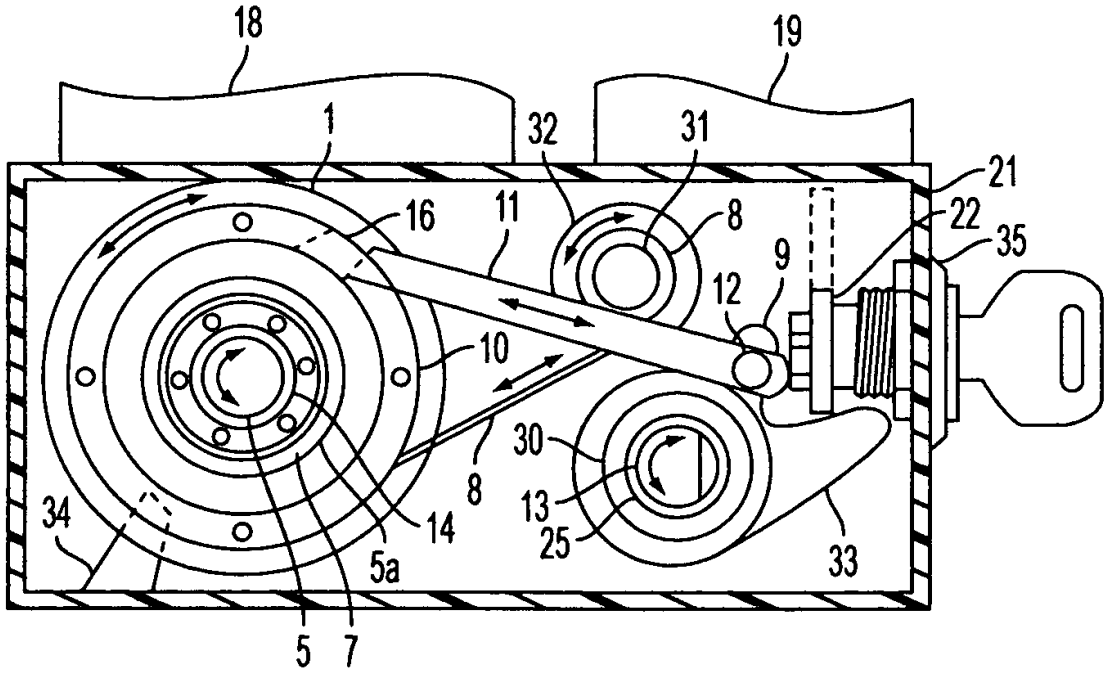
Family 188/200 - FAMPAT - ©Questel

Title

(US7942458)

Magnetic gate latch

Images



Publication data including kind & date

US7942458	B2	2011-05-17	US7942458
US20090273194	A1	2009-11-05	US20090273194

Abstract

(US20090273194)

A magnetic gate latch has a multiplicity of permanent magnets arranged on a pair of disks with half of the magnets in mutual attraction and half of the magnets in mutual repulsion. These magnetic forces are used to brake and close a gate or door. One of the disks is made axially movable with respect to the other so as to assume mutual repulsion in one position and mutual attraction in a second position. The movable disk is attached to a gate or door closing member and the other disk is attached to the closing structure post or jamb. Magnetic forces in the repulsion position are used in the invention to reverse the movable disk from a mutual repulsion position to a mutual attraction position.

Inventors

PATTERSON WAYNE ALBERT

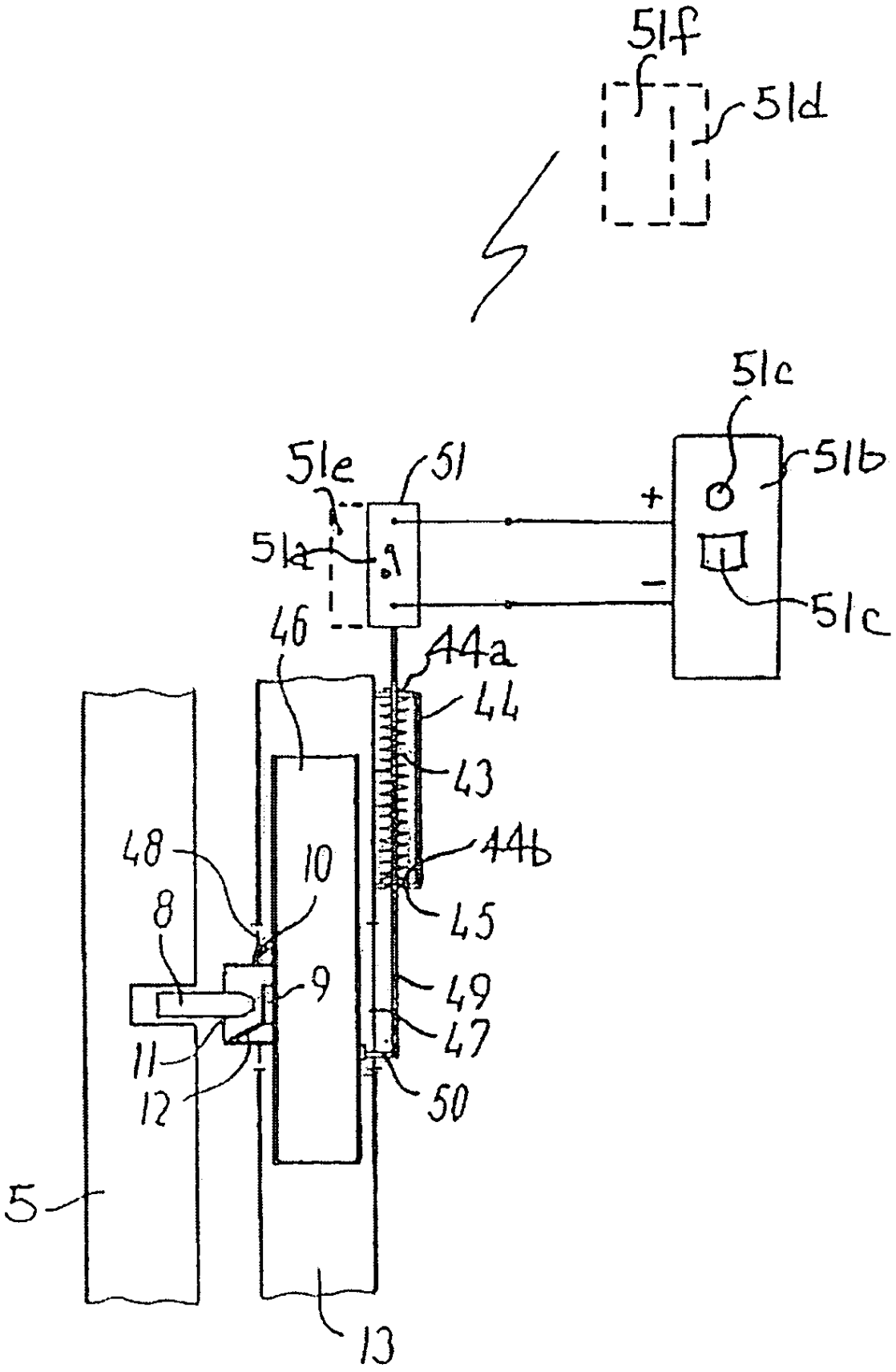
Family 189/200 - FAMPAT - ©Questel

Title

(EP1668216)

A child safety barrier with a locking device

Images



Publication data including kind & date

DE602004024552	D1	2010-01-21	DE602004024552
AT451534	T	2009-12-15	ATE451534
EP1668216	B1	2009-12-09	EP1668216
US7481471	B2	2009-01-27	US7481471
US20070022666	A1	2007-02-01	US20070022666
EP1668216	A1	2006-06-14	EP1668216

WO2005/024167 A1 2005-03-17 WO200524167

Abstract

(EP1668216)

A child safety barrier with a door secured in a U-shaped frame has a locking device which cannot be operated by children. The locking device has an activation unit which, when receiving a signal from a signal generator, releases the locking device so that the door may be opened or closed, which, in one embodiment, must take place within 2-4 seconds of the point of time when the signal generator is activated. The activation device may be formed by a mechanical activation mechanism, while the signal generator may be a push-button, an electric voltage or a remote control using a connection of the type IR, Bluetooth or the like. In a preferred embodiment, the activation device is connected with a push/pull rod whose one end is connected with a relay, while its other end is connected with a movable post extending inside a column in the U-shaped frame to which the door is secured. The invention provides a child safety barrier having a locking device where the locking device of the child safety barrier may be opened without using hands, feet and/or legs.

Inventors

ANDERSEN JESPER

HICKS ROBERT JAMES

Latest standardized assignees - inventors removed

BABY DAN

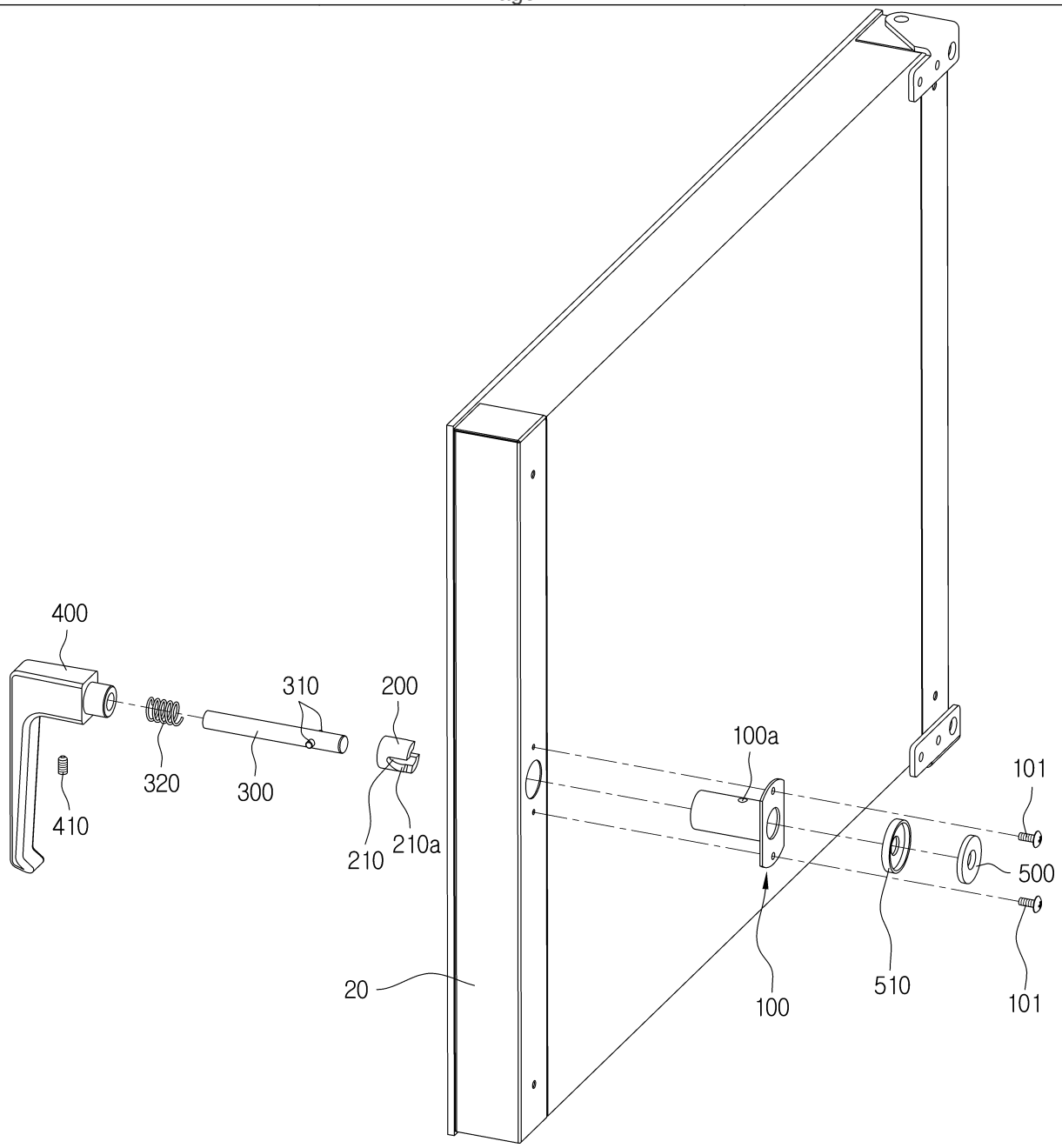
Family 190/200 - FAMPAT - ©Questel

Title

(KR101720064)

Door opening and closing apparatus using a permanent magnet

Images



Publication data including kind & date

KR101720064 B1 2017-03-27 KR101720064

Abstract

(KR101720064)

The present invention relates to a door opening and closing apparatus using a permanent magnet, comprising: an object body to be opened or closed; a door; a hinge; and an opening and closing means to simplify a structure thereof and to strengthen a magnetic force of the permanent magnet to increase a sealing force of the door and to prevent the door from easily being opened during use.

Inventors

CHAE, HYUNG WON

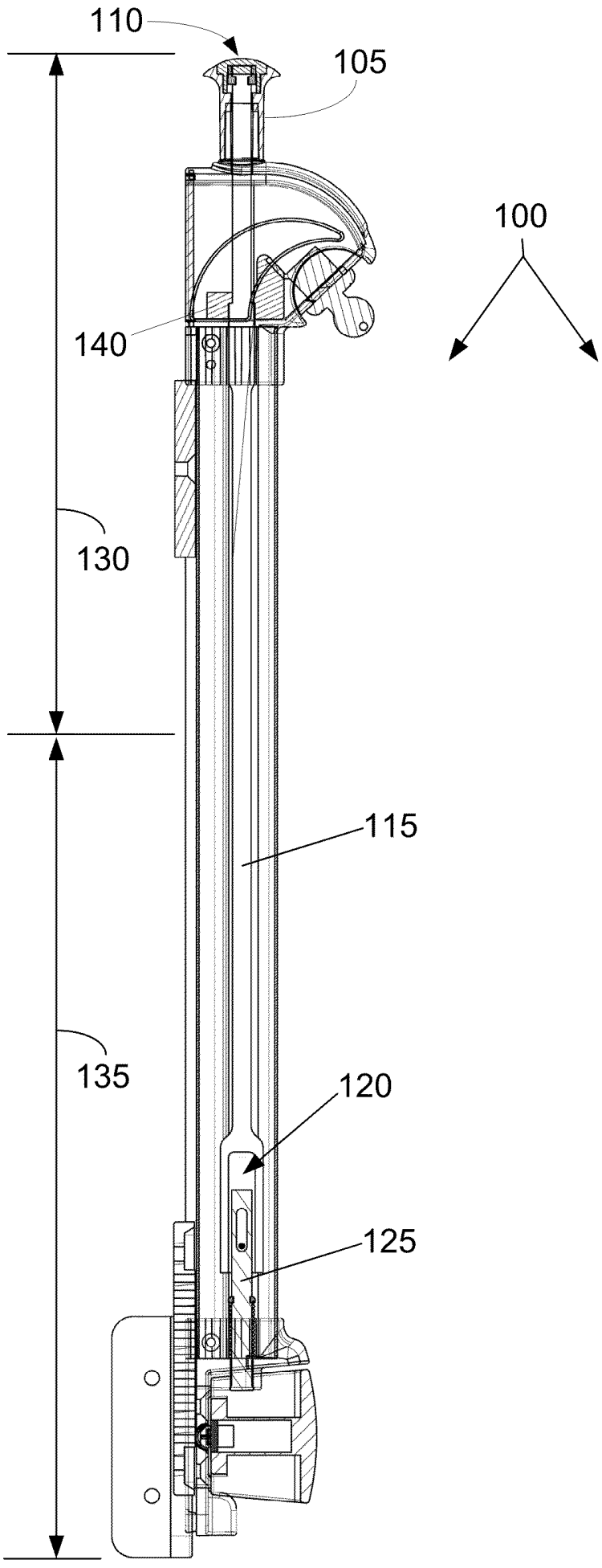
Family 191/200 - FAMPAT - ©Questel

Title

(US20160060924)

Magnetic gate latch

Images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Publication data including kind & date

US20160060924 A1 2016-03-03 US20160060924

Abstract

(US20160060924)

A magnetic gate latch opens and secures closed a portal or gate employing improvements that favors continued smooth operation and that minimizes freeze-up during winter. The improvements enable confined movement of the locking pin within a hollow cavity at the bottom of a lifting rod. The locking pin includes a flange extending outward from around the locking pin to divide the locking pin into an upper portion that slides within the hollow cavity and a lower portion that confines a spring. An elliptical aperture in the upper portion surrounds a rivet that limits locking and unlocking movement of the locking pin. The spring pushes up on the flange to bias the locking pin in an upward, unlocked position and hold it there after the gate is opened.

Inventors

SINGH MANJIT

SINGH JEEWANJOT

Family 192/200 - FAMPAT - ©Questel

Title

(EP2154320)

Door retainer

Images

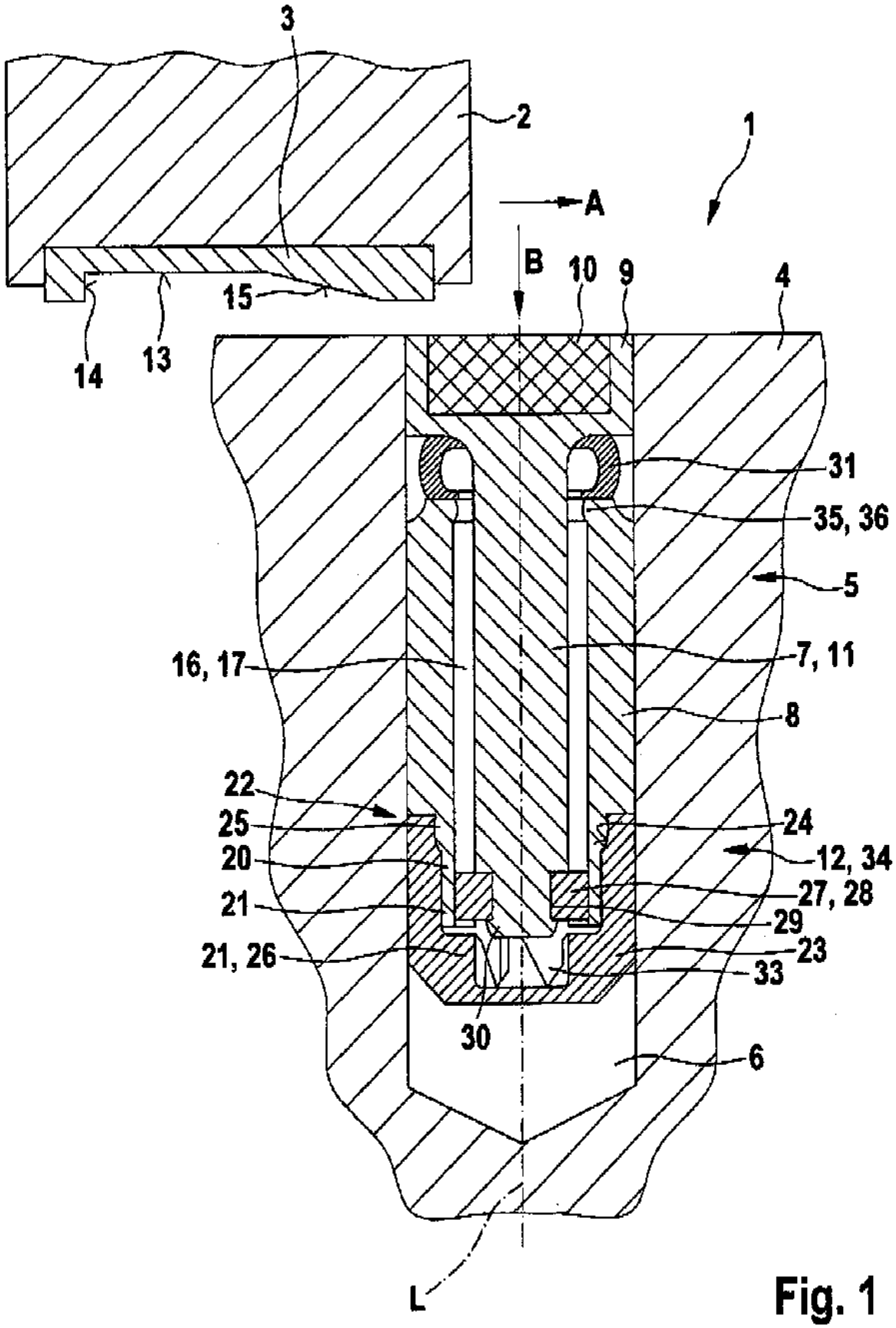


Fig. 1

Publication data including kind & date

EP2154320	A3	2011-07-27	EP2154320
DE102008037764	A1	2010-02-18	DE102008037764
EP2154320	A2	2010-02-17	EP2154320

Abstract

(EP2154320)

The door holder (1) has a magnetizable or magnetic stop (3) fastened at a door (2). A magnetizable or magnetic locking

bolt (7) is guidedly fastened at a base (4). The locking bolt is moved into a locking position when the stop enters a magnetic effective region by pivoting the door. A locking device (12) blocks the locking bolt against movement in the locking position. The locking bolt is guided in an anchorage element (8). The locking bolt is secured by a barrier (35) against unintentional release from the anchorage element.

Inventors

DALY AARON

LINKA MARTIN

SCHWAB JOHANN

Latest standardized assignees - inventors removed

FISCHERWERKE

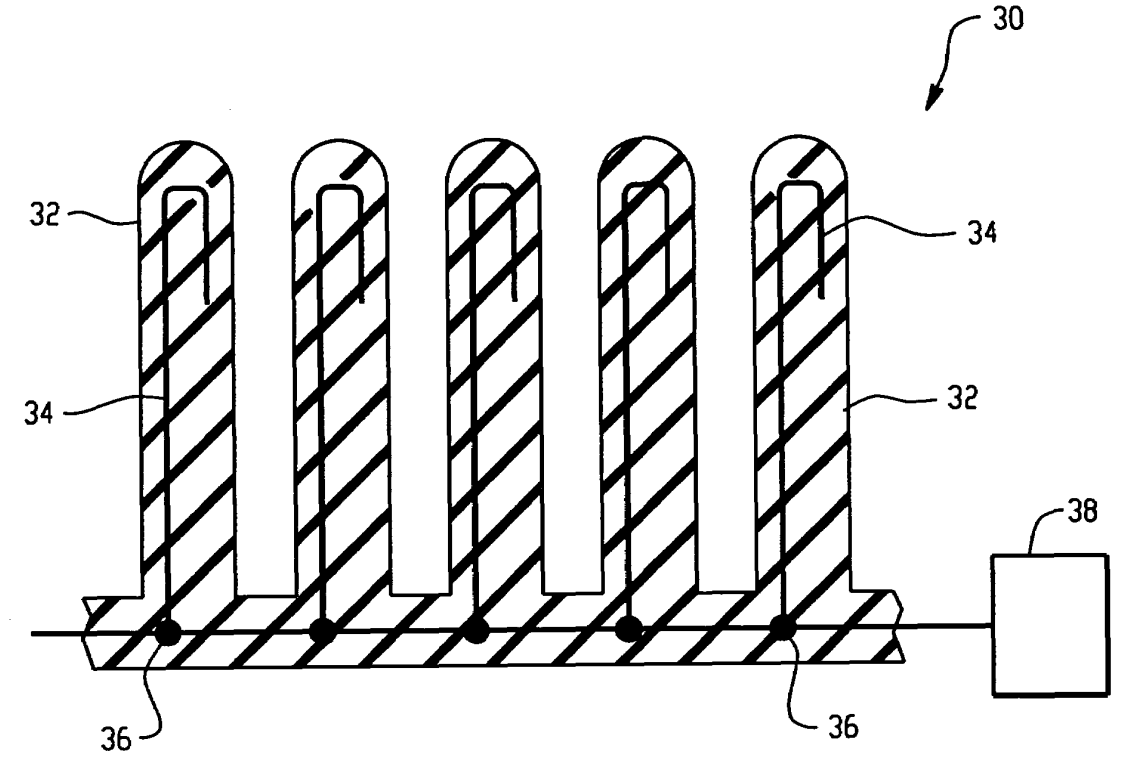
Family 193/200 - FAMPAT - ©Questel

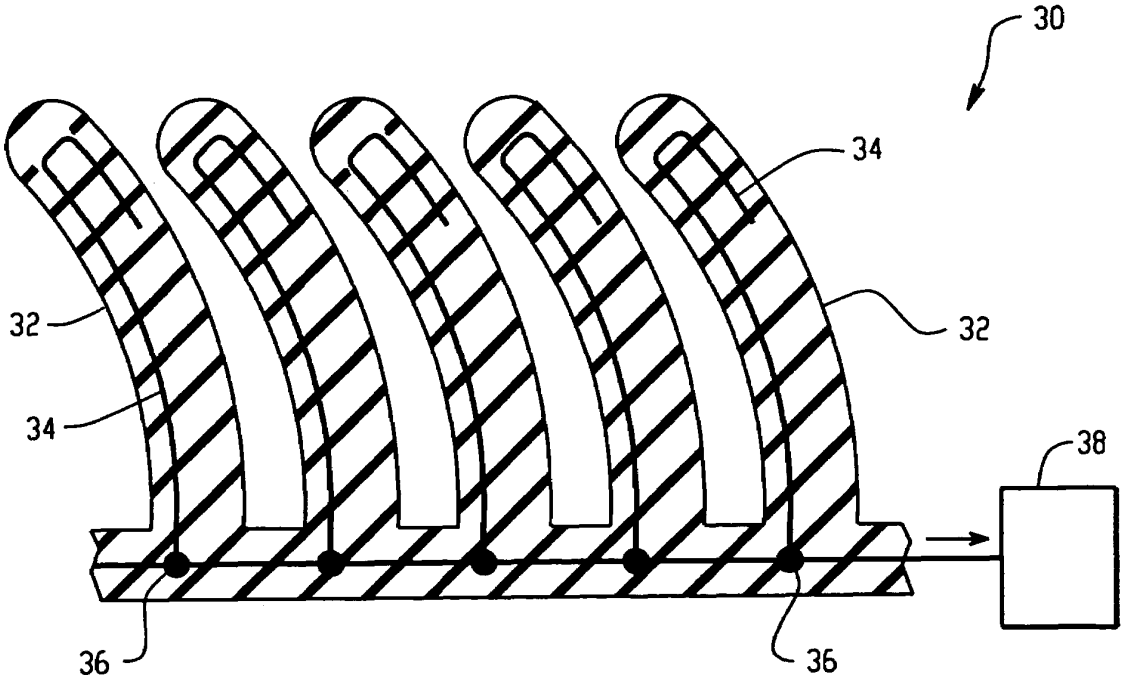
Title

(WO200589190)

Active material based seal assemblies

Images





Publication data including kind & date

DE112005000573	B4	2013-04-18	DE112005000573
US8240677	B2	2012-08-14	US8240677
US8109042	B2	2012-02-07	US8109042
US7845648	B2	2010-12-07	US7845648
US7815232	B2	2010-10-19	US7815232
US7815233	B2	2010-10-19	US7815233
US7594359	B2	2009-09-29	US7594359
DE112005000562	B4	2009-06-25	DE112005000562
US20080104796	A1	2008-05-08	US20080104796

US20070246898	A1	2007-10-25	US20070246898
US7258347	B2	2007-08-21	US7258347
WO2005/089186	A3	2007-07-26	WO200589186
DE112005000573	T5	2007-02-15	DE112005000573
DE112005000562	T5	2007-01-11	DE112005000562
WO2005/089190	A3	2006-09-14	WO200589190
US20050230925	A1	2005-10-20	US20050230925
WO2005/089186	A2	2005-09-29	WO200589186
WO2005/089190	A2	2005-09-29	WO200589190
US20050212304	A1	2005-09-29	US20050212304
US20050206095	A1	2005-09-22	US20050206095
US20050206096	A1	2005-09-22	US20050206096
US20050198904	A1	2005-09-15	US20050198904
US20050198774	A1	2005-09-15	US20050198774
US20050198907	A1	2005-09-15	US20050198907
US20050199440	A1	2005-09-15	US20050199440

Abstract

(WO2005/089190)

Active seal assemblies employing active materials that can be controlled and remotely changed to alter the seal effectiveness, wherein the active seal assemblies actively change modulus properties such as stiffness, shape orientation, and the like. In this manner, in seal applications tailored for vehicles such as in a vehicle door application, door opening and closing efforts can be minimized yet seal effectiveness can be maximized.

Inventors

BROWNE ALAN L

JOHNSON NANCY L

BARVOSA-CARTER WILLIAM

MC KNIGHT GEOFFREY P

KEEFE ANDREW C

HENRY CHRISTOPHER P

Latest standardized assignees - inventors removed

GM GLOBAL TECHNOLOGY OPERATIONS

Family 194/200 - FAMPAT - ©Questel

Title

(EP1431481)

Lock

Images

Fig. 1

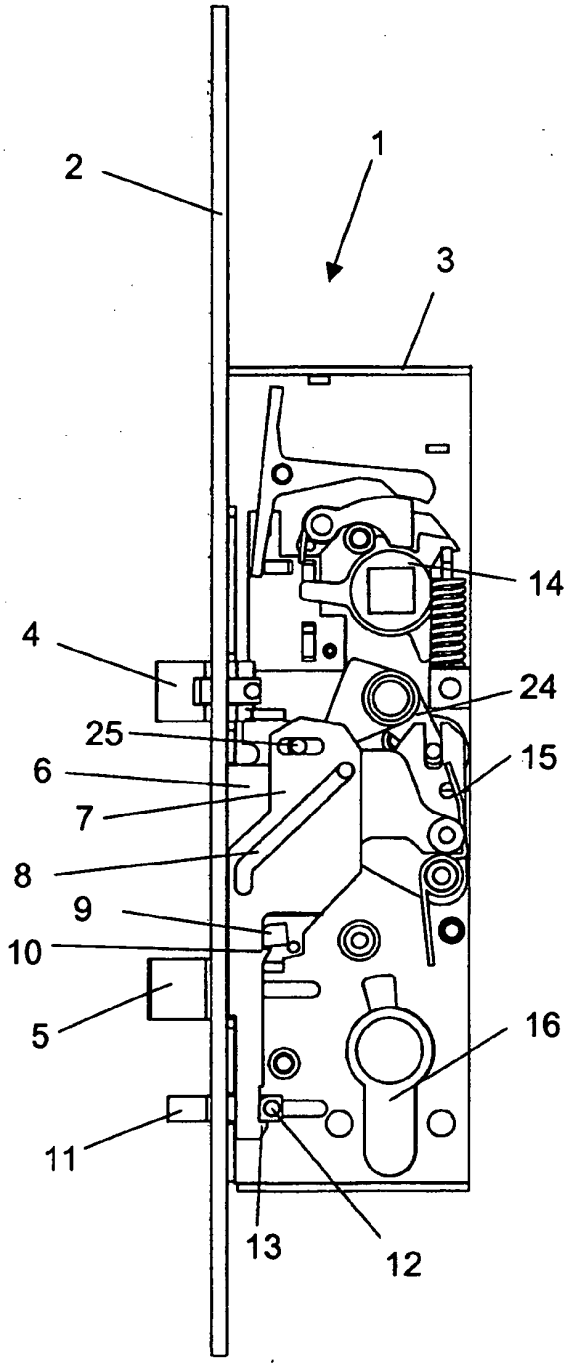
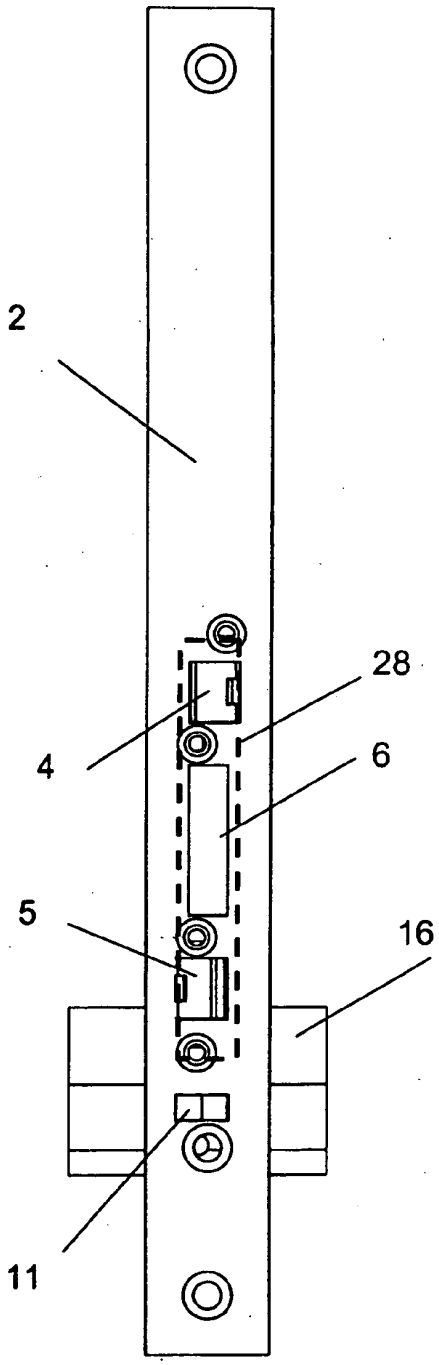


Fig. 2



Publication data including kind & date

DK1431481	T3	2010-10-04	DK1431481T
ES2344688	T3	2010-09-03	ES2344688
DE50312760	D1	2010-07-15	DE50312760
PT1431481	E	2010-06-21	PT1431481
AT470036	T	2010-06-15	ATE470036
EP1431481	B1	2010-06-02	EP1431481
EP1431481	A3	2008-04-02	EP1431481
DE10261129	B4	2005-01-13	DE10261129
DE10261129	A1	2004-07-01	DE10261129
EP1431481	A2	2004-06-23	EP1431481

Abstract

(EP1431481)

Lock (1) comprises a lock case (3) containing a spring-loaded locking bar (6), a lock plate (2), an auxiliary latch, a cross latch having an upper (4) and a lower latch element (5), a slide (7) with a slotted link (8) and catches, and a latch nut (14) for operating the lock and actuated via a door handle. The upper latch element is arranged above the locking bar and the lower latch element is arranged below the locking bar. These elements interact with the auxiliary latch so that the locking bar expulsion is triggered only when after simultaneous actuation of the latch elements and the auxiliary latch the latch elements are moved into a pivoted position through the lock plate out of the lock case. The auxiliary latch remains actuated.

Inventors

CHRIST-HAENI WILLY

Latest standardized assignees - inventors removed

GEZE

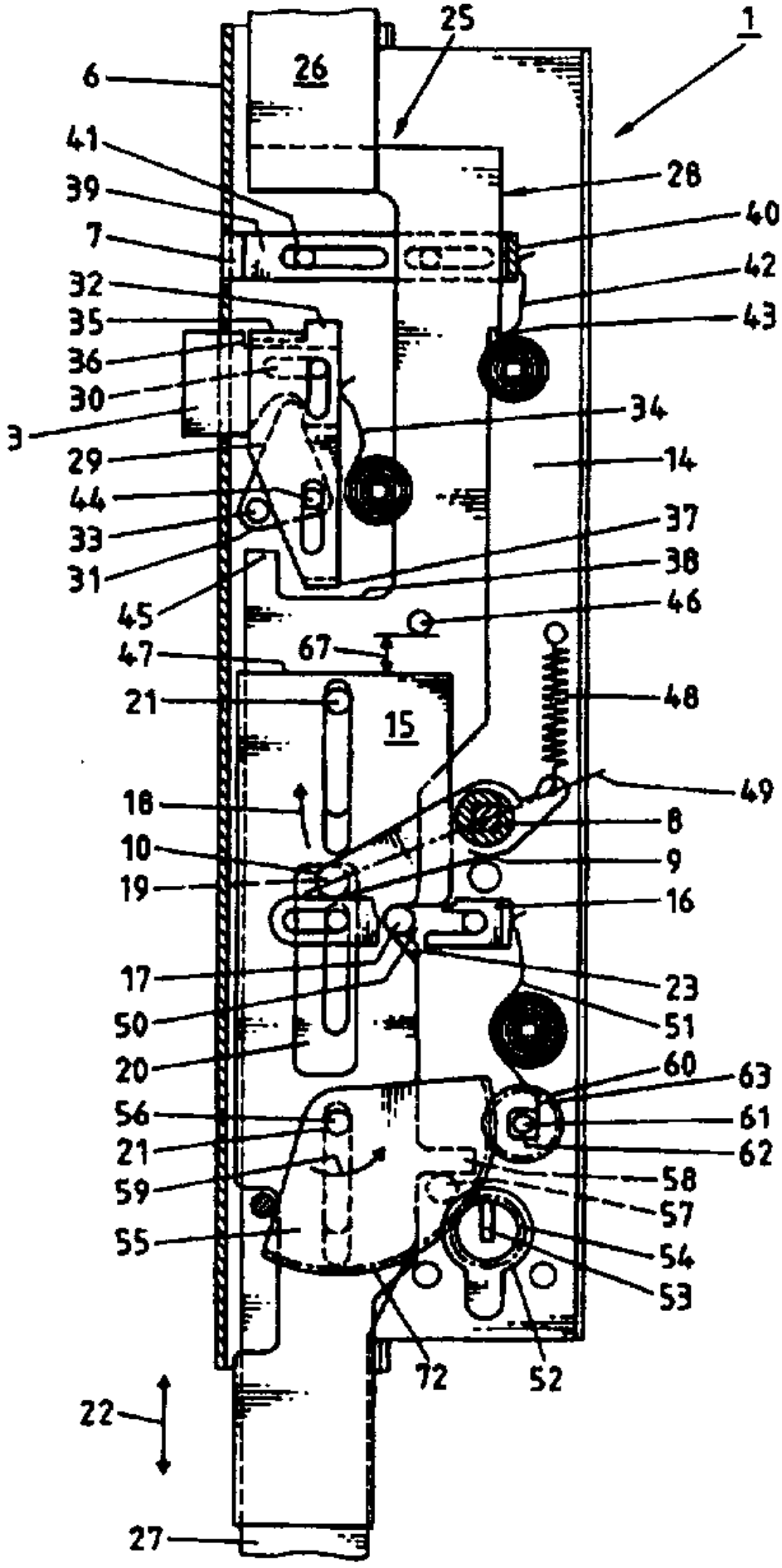
Family 195/200 - FAMPAT - ©Questel

Title

(EP-885340)

Locking device for a wing, in particular a door with a plurality of locking bolts

Images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Publication data including kind & date

ES2137050	T3	1999-12-01	ES2137050
DE59700373	D1	1999-09-30	DE59700373
AT183803	T	1999-09-15	ATE183803
EP0885340	B1	1999-08-25	EP-885340
EP0885340	A1	1998-12-23	EP-885340
AU1865597	A	1997-09-22	AU9718655
WO97/33061	A1	1997-09-12	WO9733061

Abstract

(EP0885340)

The invention relates to a locking device (1) containing a weight member (25) which is used to release and/or actuate locking bolts (3). The weight member (25) is activated by a control member (7) when a wing or a door is pivoted in a frame. A connection plate (28) co-operates with a carrier plate (15), and a second catch member (16) can be engaged into or disengaged from said two plates. The driver plate (15) can be displaced vertically through an actuating member (9) on a handle. When the doors are closed, locking bolts (3) and the weight member (25) are prevented from moving. However, the handle and the actuation member (9) always provide an emergency opening function.

Inventors

EICHHOLZER MARTIN

ROCHMAN HENRI ORIDAN

Latest standardized assignees - inventors removed

EICHHOLZER MARTIN

ROCHMAN HENRI ORIDAN

Family 196/200 - FAMPAT - ©Questel

Title

(EP-351802)

Fastening device for a show case sliding door.

Images

Fig. 2A

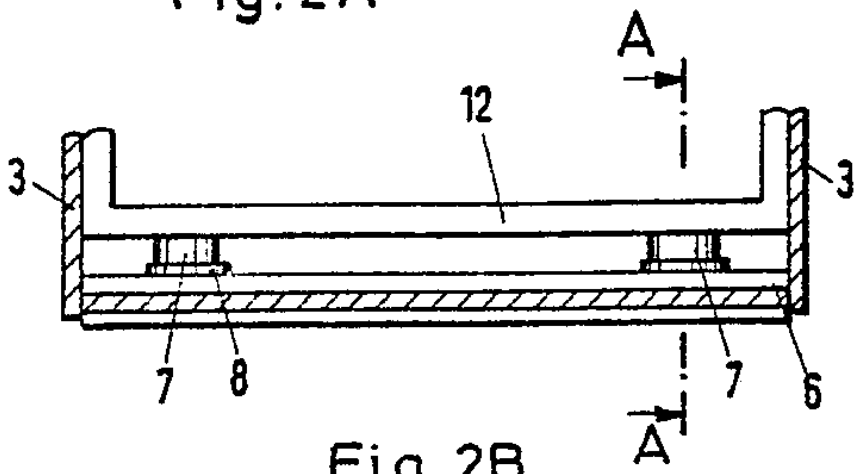
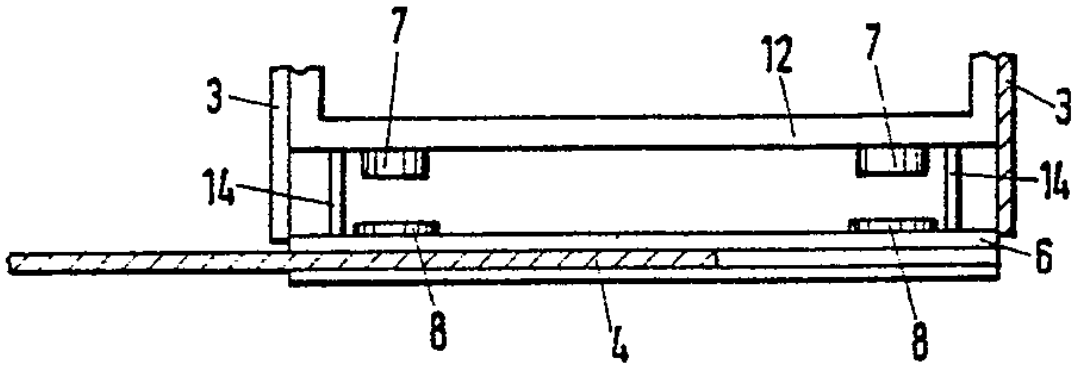


Fig. 2B



Publication data including kind & date

DE3824638	C2	1995-08-31	DE3824638
CA1335899	C	1995-06-13	CA1335899
AT103031	T	1994-04-15	ATE103031
EP0351802	B1	1994-03-16	EP-351802
US4991887	A	1991-02-12	US4991887
EP0351802	A3	1990-10-31	EP-351802
DE3824638	A1	1990-01-25	DE3824638
EP0351802	A2	1990-01-24	EP-351802

Abstract

(EP0351802)

The sliding door of showcases is normally closed by means of safety locks, but these have to be installed with a high degree of accuracy if the side wall is to have no play in the position of rest. The new device will likewise make it possible to close a showcase securely, but without having to ensure particular accuracy during installation. The sliding door 4 is held in the closing position or position of rest by permanent magnets 7 which are attached to the showcase and the magnetic field of which can be cancelled via an electrical winding by the flow of an appropriate direct current. Since the permanent magnets do not have to be installed with such accuracy, the assembly of a showcase of this type can also be carried out outside a workshop, for example a building site. Furthermore, the secure closing of sliding doors can thus be brought about, even in places where conventional closing devices would be accessible only with difficulty. ...<IMAGE>...

Inventors

HAHN TILL

Latest standardized assignees - inventors removed

GLASBAU HAHN

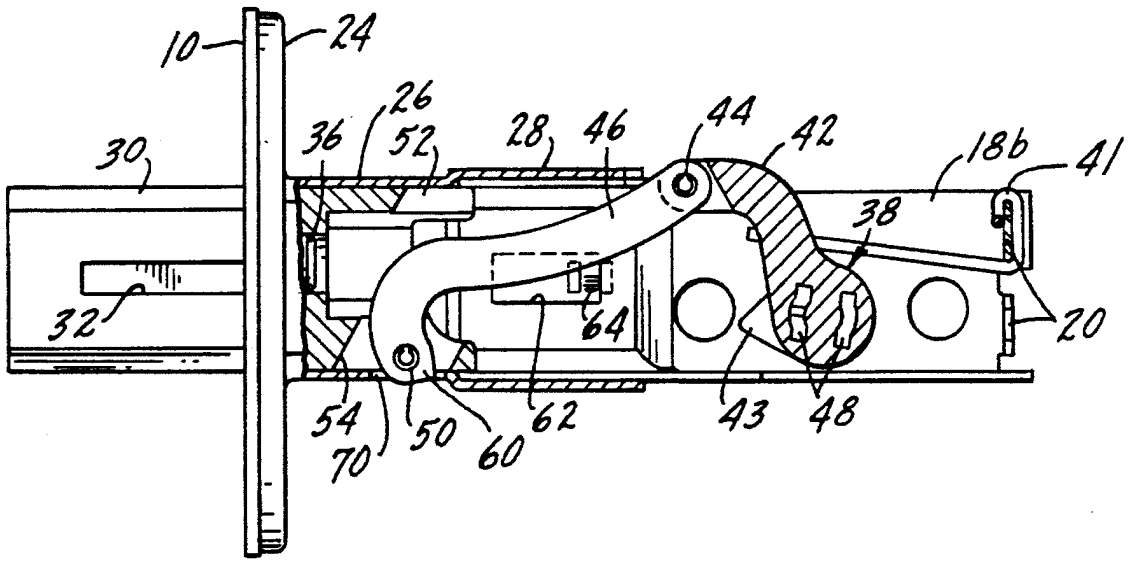
Family 197/200 - FAMPAT - ©Questel

Title

(US5501492)

Deadbolt with infinitely adjustable backset

Images



Publication data including kind & date

CA2144718	C	1999-02-02	CA2144718
TW341265	U	1998-09-21	TW-341265U
US5516160	A	1996-05-14	US5516160
SG28250	A1	1996-04-01	SG--28250
US5501492	A	1996-03-26	US5501492
CN1117107	A	1996-02-21	CN1117107
JPH0842212	A	1996-02-13	JP08042212
CA2144718	A1	1995-10-12	CA2144718

Abstract

(US5501492)

A door latch has a case and a bolt movable within the case between an extended position in which the bolt extends forwardly of the case and a retracted position in which the bolt is positioned within the case. A swivel is mounted in the case for turning movement and a link connects the swivel and the bolt whereby turning of the swivel moves the bolt between the extended and retracted positions. The swivel is movable relative to the forward end of the case for adjusting backset to any distance between defined backset adjustment limits. The bolt, link and case have cooperating portions thereof which hold the bolt in a fully extended position, resisting inward movement thereof except by turning of the swivel, at either limit of backset adjustment and at any backset adjustment position therebetween.

Inventors

KAJUCH PETE

Latest standardized assignees - inventors removed

SCHLAGE

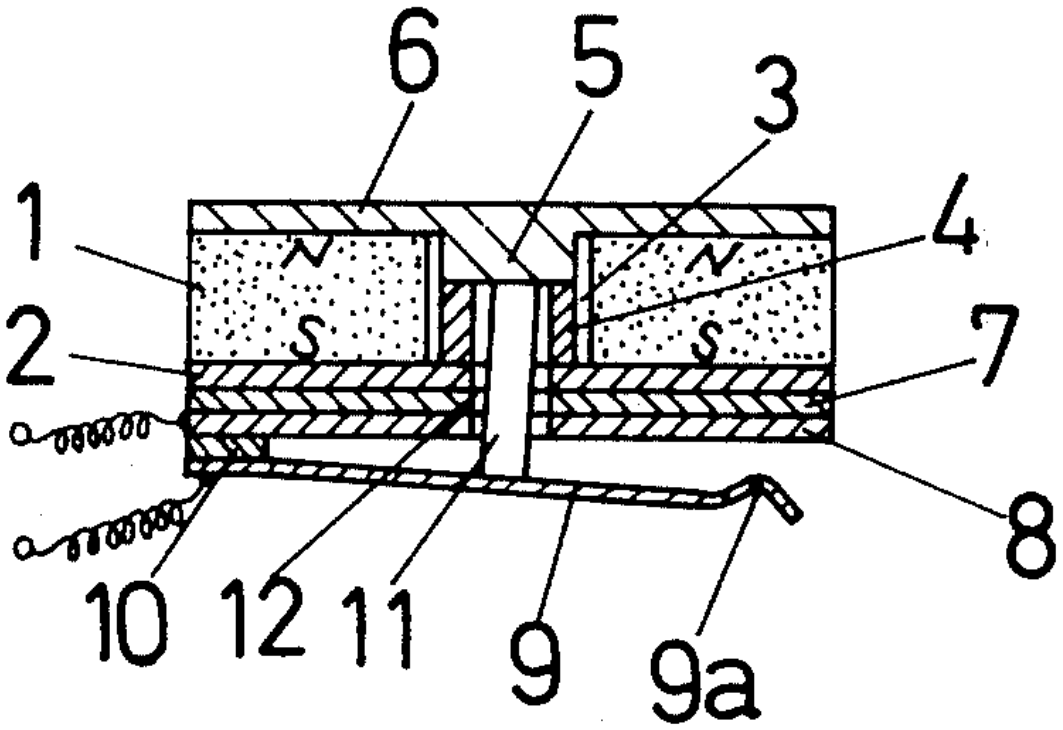
Family 198/200 - FAMPAT - ©Questel

Title

(US4310188)

Magnetic switch for attractive latch

Images



Publication data including kind & date

US4310188	A	1982-01-12	US4310188
GB2064870	A	1981-06-17	GB2064870

Abstract

(US4310188)

A magnetic switch for attractive latch which has an attractive latch including a permanent magnet with a hole in its center, in which a ferromagnetic plate being fixed at its one side surface and a ferromagnetic plate, which has a projection in its center, being installed freely detachable at the other side, and the projection is set to be freely movable inside of the center hole of the permanent magnet, outside surface of the fixed permanent magnet being provided with a switch, which has an insulator, a fixed piece, a movable piece, and an insulator pin, moves corresponding to engaging or disengaging motion of the ferromagnetic plate, and the insulator pin is attached at the center of movable piece and is engaged or disengaged with the projection in the center hole of the permanent magnet.

Inventors

AOKI YOSHIHIRO

Latest standardized assignees - inventors removed

APPLIC ART LAB

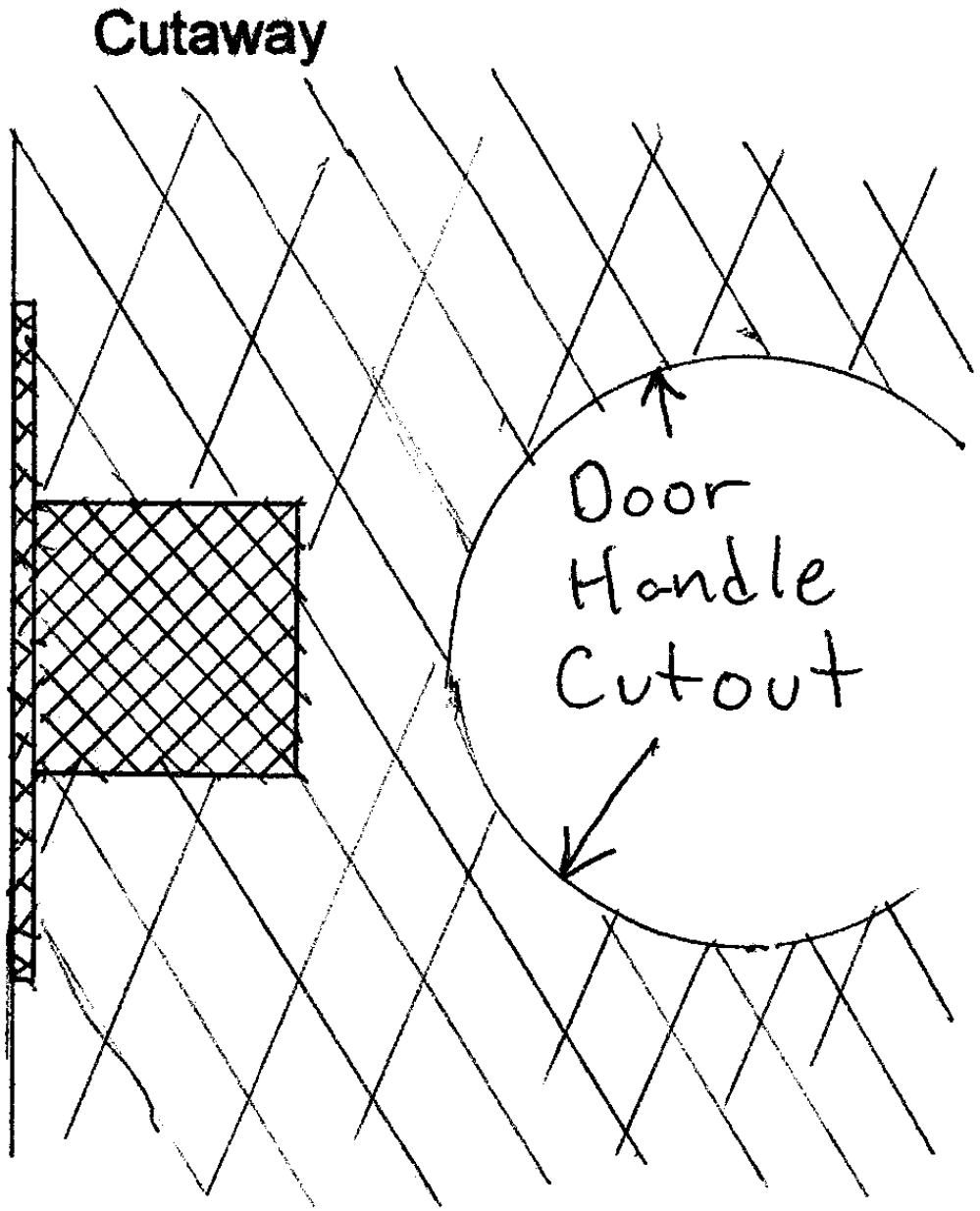
Family 199/200 - FAMPAT - ©Questel

Title

(US9487979)

Force closer

Images



Publication data including kind & date

US9487979	B2	2016-11-08	US9487979
US20150233160	A1	2015-08-20	US20150233160

Abstract

(US20150233160)

A system of converting a traditional door latch assembly of a door into a magnetic door latch.

Inventors

ROGERS MIKHAIL ALECZANDAR

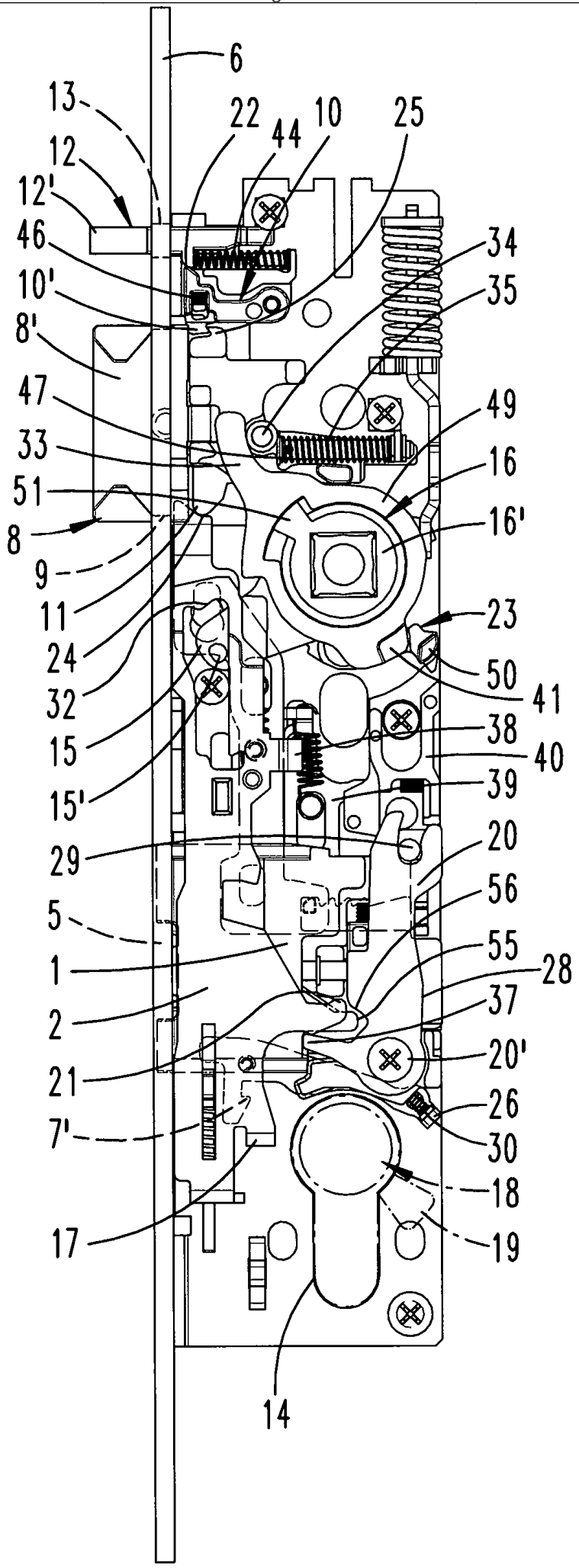
Family 200/200 - FAMPAT - ©Questel

Title

(DE102012111526)

Tubular frame lock structure for door, has blocking element that is provided to block the displacement of aperture element in actuating position, and bolt which is inserted into opening

Images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33
16
51
16'
8
9
11
23
24
50
41
32
38
15
40
39
15'
20
29
56
5
55
28
1
37
2
20'
21
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7'
30
18
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19
14

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Abstract

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The lock structure has a latch element (1) that is connected with an aperture element (2) by a spring (3) such that the aperture element is displaced from a standby position into an operation position by holding a locking element (4), after the release of the latch element in a withdrawn position. A bolt (6) is inserted into an opening (5). A blocking element (7) is provided to block the displacement of the aperture element in the actuating position.

(From DE102012111526 A1)

Inventors

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Latest standardized assignees - inventors removed

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