

Search history

Search 1: SFT=(curtain and roller and venetian) (Results 569)
Search 2: SFT=(curtain and roller and venetian) and IC=(E06B) (Results 407)

1) Family number: 11280801 (DE4314128A1)

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WINDOW WITH SUN-SCREEN INSTALLATION FOR SLOPING ROOF SURFACES

Abstract: Source: DE4314128A1 The window with sun-screen installation for sloping roof surfaces comprises a window frame (16), a window sash (12) and a sun-screen installation (18-36) which is fitted on the outer side and has guide rails (18, 28). The latter have an upper section (18), connected fixedly to the window frame, and a lower section (28) connected fixedly to the window sash (12). Located therebetween is a wide gap which narrows when the window is opened. The sun-screen installation (18-36) is provided with a positive-return system (24, 36).

Probable Assignee: WAREMA RENKHOFF GMBH AND CO KG

Earliest Publication Date: 19941103

2) Family number: 1448981 (CH581255A)

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SLATTED SHUTTER WITH COMPACT STOWAGE SYSTEM - HAS SLATS WOUND OVER SQUARE SPINDLE AND STACKED ON OTHER SIDE

Abstract: Source: CH581255A (Claim 1) 1. Faltrrolladen nach Patentanspruch, dadurch gekennzeichnet, dass an der oberen Umlenkstelle eine mit Drehantriebsmitteln verbundene, den Staeben als Auflage und Mitnehmer dienende Aufziehwelle (11, 21) und Mittel (10, 12, 22) zur Verhinderung des Abhebens der die Umlenkstelle passierenden Staebe (5) von der Aufziehwelle (11, 12) vorgesehen sind. A slatted shutter, especially for a window, has a storage compartment over the top of the shutter with the spindle across it, over which the slats travel as the shutter opens, the slats (5') passing upwards, over the top and down the other side, where they descend in zig-zag manner, to form a stack on that side. The spindle (11') is square, so that the slats rest on its sides as it rotates. Each alternate slat carries a pin (9a, 9b) each end, which travels in grooves (10a, 10b) each side, which guide the slats in their zig-zag motion before they begin to pile up on a support surface each end. In this way, the folded slats are stowed in a compact, space saving manner.

Probable Assignee: GRIESSER AG

Earliest Publication Date: 19761029

3) Family number: 1452907 (IT1018450A)

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SERRAMENTO OPPORTUNAMENTE ISOLA TO AGLI EFFETTI ACUSTICI E DOTATO DI DOPPIA GUARNIZIONE PERIMETRALE PROSEGUENTE IN CONTINUO

Abstract: Source: CH584343A The double glazed window which pivots about a horizontal axis half way up, has a frame made of hollow metal members and incorporating a set of sealing strips. The design is intended to exclude noise, dampness and vibration. The frame includes a hollow member (30) open on one face, with two ribs extending sideways, with a sealing strip (1) between them. The outer arm also is pressed against another sealing strip (1') parallel to the first, when the window is shut. Between the outer glass pane (5) and the inner (6) is located a roller blind (3) and/or a venetian blind (4). The frame which supports the double glazing includes a portion (18) which can be detached. Between this portion and the portion (31) which completes the frame is another seal (2).

Probable Assignee: CANDUSSO D E F LLI

Earliest Publication Date: 19770131

4) Family number: 16433863 (DE8219235U1)

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VERSCHLUSSEINRICHTUNG CLOSING DEVICE (MACHINE TRANSLATION)

Abstract: Source: DE8219235U1 (Claim 1) 1. Verschlusseinrichtung fuer Fenster, Tueren oder dgl. Oeffnungen, deren obere Rahmenseite ganz oder teilweise unter einem Win- kel gegenueber der Horizontalen verlaeuft, deren seitliche Rahmenseiten im wesentlichen vertikal und deren untere Rahmenseite im wesentlichen horizontal verlaeuft, d a d u r c h g e k e n n z e i c h n e t, dass der Behang (2) der Verschlusseinrichtung (1) mittels entsprechender Fuehrungsteile (3) an zugeordneten Fuehrungen (4) im Bereich seiner oberen als auch im Bereich seiner unteren Begrenzungskante (5, 6) gefuehrt ist.

Machine translation: (Claim 1) 1 Closing device on windows, doors or similar openings, the upper side of the frame under full or in part, an angle opposite the horizontal runs, with the lateral sides of the frame ABELLING substantially vertically and the lower side of the frame extends substantially horizontally, dadurchg ec t. that the blind (2) of the closing device (1) using appropriate Fuehrungsteile (3) assigned to guided tours (4) in its upper area is managed as well as in its lower boundary edge (5, 6).

Probable Assignee: KNAUER DIETER 7317 WENDLINGEN DE

Earliest Publication Date: 19831124

ABSCHIRM- ODER SCHUTZVORRICHTUNG FUER WANDOEFFNUNGEN ODER DGL., INSBESONDERE EIN ROLLADEN ODER EINE JALOUSIE **SHIELDING OR PROTECTIVE DEVICE FOR WANDOEFFNUNGEN OR THE LIKE, PARTICULARLY A ROLLER SHUTTER OR BLIND (MACHINE TRANSLATION)**

Abstract: Source: DE9403992U1 (Claim 1) Abschirm-oder Schutzvorrichtung fuer Wandoeffnungen oder dgl., insbesondere ein Rolladen oder eine Jalousie 1. Abschirm-oder Schutzvorrichtung fuer Wandoeffnungen oder dgl., insbesondere einen Rolladen oder eine Jalousie, mit einem Vorhang aus einzelnen horizontalen Lamellen, die an beiden Enden mit stirnseitig angeordneten Fuehrungsstuecken ausgestattet sind, die in der Verlaengerung des durch die Lamellenprofilumrisse eingeschlossenen Raumes liegen, jeweils in vertikalen Fuehrungsprofilen gefuehrt sind und Hub-und Wendeeinrichtungen aufweisen, die eine Bewegung in der Senkrechten und andererseits eine Schwenkbewegung der einzelnen Lamellen ermoeglichen, dadurch gekennzeichnet, dass jeweils mindestens ein Fuehrungsstueck, und zwar bevorzugt das fuer die Hubbewegung zustaendige, mit einem Kupplungsstueck (1) versehen ist, das im Zusammenwirken mit einer laengsfest, aber drehbar im jeweiligen Fuehrungsprofil verankerten Haltestange (5) eine in jeder beliebigen Hoehenlage der Lamellen durch Verdrehen der Haltestange schliessbare und durch Gegendrehen wieder zu oeffnende formschluessige Verbindung bewirkt.

Machine translation: (Claim 1) shielding or protective device for Wandoeffnungen or the like, particularly a **roller** shutter or blind first Shielding or protective device for Wandoeffnungen or the like, particularly a **roller** shutter or blind, with a **curtain** of each of the horizontal slats that are fitted at both ends with edges carrying Fuehrungsstuecken, in the prolongation of the blade profile shapes enclosed space, in each case in vertical Fuehrungsprofilen are out and lifting and turning facilities have to allow movement in the vertical and the other a swinging motion of individual blades, wherein at least one Fuehrungsstueck, and preferably the for the stroke competent, (1) with a Kupplungsstueck is provided, which in conjunction with a laengsfest, but rotated in each Fuehrungsprofil anchored handrail (5) any one in any height position of the slats by turning the rod holder and closable caused by counter-rotating back-to-open form-fitting connection.

Probable Assignee: PFEFFER THEOPHIL

Earliest Publication Date: 19940511

ROLLO FUER DAS FENSTER ZUR REGULIERUNG DES EINFALLENDEN LICHTS **FOR THE WINDOW BLIND TO REGULATE THE INCIDENT LIGHT (MACHINE TRANSLATION)**

Abstract: Source: DE29800775U1 (Claim 1) f ss fss f · · f · f · · · · f f · f · » F F F · · F * F F 1 Schutzansprueche 1. Rollo fuer den Einsatz am Fenster oder als Raumteiler, dadurch gekennzeichnet, dass es im ausgerollten Zustand aus zwei vertikalen, hintereinander angeordneten, teilweise transparenten Lagen Gewebe, Folie oder Vlies oder vergleichbarem flexiblem Material (im folgenden als Stoffbahnen bezeichnet) besteht, die mithilfe einer einzigen, am oberen Ende angebrachten Rolle- einerseits relativ zueinander verschoben werden koennen, --andererseits nach oben auf- bzw.

Machine translation: (Claim 1) f ss fss · · F · F · · · · ff · f · » · · F * F F F F 1 Schutzansprueche first Rollo for use on windows or as room dividers, characterized in that it is in the unrolled state consisting of two vertical, arranged one after another, partially transparent layers of fabric, foil or fabric or similar flexible material (hereinafter referred to as fabric) is given, using a single, at the upper end attached to a hand-roll can be moved relative to each other - on the other hand, upward or

Probable Assignee: GUENZLER EVA DIPL DESIGNERIN

Earliest Publication Date: 19990218

LAMELLA SHUTTER

Abstract: Source: DE29818929U1 (Claim 1) Ansprueche 1 . Lamellenjalousie mit einem Behang aus mehreren horizontalen Lamellen, die mittels flexibler Zugorgane aufziehbar und absenkbar sind, wobei die Lamellen mittels flexibler Wendeorgane beabstandet gehalten und um ihre Laengsachse verschwenkbar sind, mit einer Antriebseinheit in einem Kopfprofil zum Betätigen der Zugorgane, mit einer Wendeeinheit in dem Kopfprofil zum Betätigen der Wendeorgane, und mit seitlichen, gebäudefest montierbaren Führungsschienen, in denen die Lamellen stirnseitig gefuehrt sind, wobei der Behang in einem Kasten aufgehängt und paketierbar ist und durch eine untere Öffnung des Kastens nach unten absenkbar ist, dadurch gekennzeichnet, dass das Kopfprofil (40) in dem Kasten (50) neben dem Behang (2) angeordnet ist.

Machine translation: (Claim 1) td exigencies 1. Lamellar blinds with a **curtain** made of a plurality of horizontal slats, which are medium flexible pulling elements clockwork and lowered, with the blades spaced apart by flexible turning organs kept and verschwenkbar around its longitudinal axis, with a drive unit in a head profile for operating the traction elements, and with a reversing unit in the head profile for operating the turn of organs, and mit seitlichen, gebäudefest mountable Führungsschienen, in which the slats are front-routed, with the hanging hanged in a box and paketierbar, and through a lower opening of the box can be lowered down, is characterized by the fact that the overhead profile (40) into the box (50) next to the hanging (2) is arranged.

Probable Assignee: HUEPPE FORM SONNENSCHUTZSYSTEM

Earliest Publication Date: 19990527

SUN SAFETY DEVICE

Abstract: Source: DE29915771U1 (Claim 1) 1. Sonnenschutzvorrichtung fuer Anbringung an einem Fensterrahmen (1, 1'), insbesondere eines Dachfensters, mit

Machine translation: (Claim 1) 1 Sun protection device for attaching to a window frame (1, 1'), including a roof window, with

Probable Assignee: HEFA HANS EGGERT FAHL GMBH

Earliest Publication Date: 19991209

Abstract: Source: DE9213660U1 (Claim 1) 1. Doppelschichtfenster, das eine Fensterplatte umfasst, die aus einer transparenten Vorderplatte (11), die mit einem dazwischen definierten schmalen Zwischenraum an einer transparenten Rueckplatte (12) befestigt ist, wobei die ge- nannte Fensterplatte eine verlaengerte Unterseitenoeffnung aufweist, die mit dem genannten schmalen Zwischenraum ver- bunden ist, und einer Jalousierollo-Einheit (2) besteht, die an der genannten Fensterplatte an der Unterseite befe- stigt und durch einen Staubschutz (16) geschuetzt ist, wobei die genannte Jalousierollo-Einheit (2) zwei Jalousiefueh- rungsrollen (23,24) umfasst, die von einem Umkehrmotor (21) gedreht werden, um beim Verdunkeln des genannten Fensters (1) einen Jalousiekoerper (25) von einer Jalousierolle (22) in den genannten schmalen Zwischenraum durch die genannte verlaengerte Unterseitenoeffnung auszufahren oder den genann- ten Jalousiekoerper (25) aus dem genannten Fenster (1) her- auszubewegen, was ermoeeglicht, dass er automatisch von der genannten Jalousierolle (22) aufgenommen wird, wobei der genannte Jalousiekoerper (25) durch den Spalt zwischen den genannten Jalousiefuehungsrollen (23,24) eingefuehrt wird und dessen Vorderende als Endflansch (251) ausgebildet ist, der vor den genannten Jalousiefuehungsrollen (23,24) ange- halten wird, und dessen Hinterende an der genannten Jalousierolle (22) befestigt ist, die hinter den genannten Ja- lousiefuehungsrollen (23,24) angeordnet ist.

Machine translation: (Claim 1) 1 Double-layer window that includes a window panel, which consists of a transparent front plate (11) is the fixed with a defined therebetween narrow space in a transparent Rueckplatte (12), where the exhibits-called window plate Prolonged Unterseitenoeffnung, referred to the narrow gap -jointed, and a louver blind unit (2) is participating in the said window plate on the underside of fastening prior declaration and a dust cover (16) protected, whereby the said louver blind unit (2) guide **rollers** Jalousiefueh-two (23,24), which are being rotated by a reversible motor (21) to the darkening of the said window (1) a Jalousiekoerper (25) of a louver **roller** (22) in those narrow space through said elongated Unterseitenoeffnung extend or the called - th Jalousiekoerper (25) of the specified window (1) her-auszubewegen what enables that he is automatically recorded by the said louver **roller** (22), wherein said Jalousiekoerper (25) through the gap between these Jalousiefuehungsrollen (23, been executed 24), and its front end as the end flange (251) is formed which will hold in-before mentioned Jalousiefuehungsrollen (23,24), and its rear end on said blinds sierolle (22) is mounted, behind the aforementioned Yes - lousiefuehungsrollen (23,24) is arranged.

Probable Assignee: YEN CHOU CHUNG HO TAIPEH TW

Earliest Publication Date: 19921217

10) Family number: 17651930 (DE8516303U1)

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Abstract: Source: DE8516303U1 (Claim 1) Bezeichnung der Erfindung: Jalousierbarer Rolladen Anspruche: 1. Jalousierbarer Rolladen mit Lamellen, die mit seitlich auskragenden Lagerzapfen an mindestens einem Zugglied wie Kette aufgehängt und zu einem Panzer zusammengefasst sind, wobei die Lagerzapfen zugleich die Schwenkachsen fuer die jalousierbaren Lamellen bilden und mit Schraubflaechen versehen sind, an denen das Zugglied in Lagerzapfenlaengsrichtung transversal verschiebbar angreift und bei seiner Transversalbewegung die Lamelle infolge Gleitens entlang der Schraubflaeche verschwenkt, wobei zur transversalen Steuerung des Zuggliedes jeweils eine in der seitlichen, gebauedefesten Fuehrung verschieblich gelagerte, formschluessig am Zugglied angreifende Verstellchiene vorgesehen ist, zu deren Steuerung an wenigstens einem Rolladenstab ein Steuerteil angeordnet ist, das mit einem an der Verstellchiene angebrachten Gegensteuerteil zusammenwirkt, die Verstellchiene in Bewegungsrichtung des Rolladens verschiebt und sie dabei ueber eine Zwangsfuehrung zur Steuerung der Lamellen in die Schwenkoffenstellung quer verlagert, dadurch gekennzeichnet, dass die Lamellen (11) im Verlauf einer vollstaendigen oeffnungs-und/oder Schliessbewegung des Rolladenpanzers selbsttaetig mindestens einmal von der Schliessstellung in ihre maximal jalousierbare Stellung und im Anschluss daran gemeinsam wieder zurueck in die Schliessstellung steuerbar sind.

Machine translation: (Claim 1) Title of the invention: claims Jalousierbarer Shutter: 1 Jalousierbarer blinds with slats that are hanged with laterally projecting trunnion at least one tension member such as chain and combined into a tank, where the journals at the same time, the pivot axes are for the jalousierbaren blades and fitted with screw surfaces are where the tension member in Lagerzapfenlaengsrichtung transversely movable attacks and pivoted at its transverse motion of the blade due to sliding along the helical surfaces, where the transverse control of the tension member each in the lateral gebauedefesten leadership displaceably mounted, form-fitting provided on the tension member engaging adjusting rail is arranged to control them at least one shutter rod, a control part, which interacts with one of the adjusting rail-mounted counter control unit, the adjusting rail moves in the direction of movement of the shutter and thereby about shifting one Zwangsfuehrung for control of the blades in the swivel open position angles, wherein the fins (11) during the full opening and / or closing the **roller** shutter selbsttaetig least once in their closed position of the maximum jalousierbare position and subsequently back together again in the closed position are controllable.

Probable Assignee: ERNST SELVE GMBH AND CO KG 5880 LUEDENSCHIED DE

Earliest Publication Date: 19901025

11) Family number: 17686087 (DE9114683U1)

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Abstract: Source: DE9114683U1 (Claim 1) 1. Antrieb fuer einen Sonnenschutz-Behang, insbesondere einen Falstore oder eine Lamellenjalousie, mit zwei ortsfest anzubringenden Halteschienen (10, 20), von denen die eine Halteschiene (10) den an seinem freien Ende mit einer beweglichen Schie- ne (22) verbundenen und zwischen den beiden Hal- teschienen (10, 20,) hin-und herbewegbaren Behang an einem Ende haelt und mit der anderen Halteschie- ne (20) durch Spanndraehte (18,18') verbunden ist, wobei der Antrieb der beweglichen Schiene (22) eine an einer der beiden Halteschienen (10,20) angeord- nete, sich im wesentlichen ueber ihre Breite er- streckende und durch einen Motor (12) in beiden Drehrichtungen antreibbare Welle (14) und ausserdem zwei Antriebschnuere (24,24') aufweist, die ausge- hend von der Welle (14), mit einem ersten Trum, senkrecht nach unten verlaufend, unmittelbar mit der beweglichen Schiene (22) verbunden sind und mit einem zweiten Trum, jeweils parallel zum ersten Trum verlaufend, bis zur gegenueberliegenden Hal- teschiene (20) gefuehrt, dort umgelenkt und in umge- kehrter Richtung zur beweglichen Schiene (22) ge- fuehrt sind, dadurch gekennzeichnet, dass an jedem Ende der Welle (14) zwei im wesentlichen aus ther- moplastischen Elastomeren bestehende Keilschei- ben (16,16') axial fest angeordnet sind, ueber die jeweils eine Antriebschnur (24,24') aus Kunstfaser laeuft, welche unter Vorspannung reibschluessig an den Keilnut-Seitenwänden der Keilscheiben (16, 16') anliegt, wobei die reibschluessige Verbindung bei ueberschreiten eines definierten Drehmoments des Mo- tors (12) rutschkupplungsartig loesbar ist.

Machine translation: (Claim 1) 1 Drive for a sunscreen **curtain**, in particular, a pleated or a lamella blinds, with two stationary to be attached mounting rails (10, 20), of which a retaining rail (10) the free end thereof with a movable rail (22) connected between the two-Hal Teschi (10, 20,) is back and keeps reciprocating **curtain** at one end and with the other retaining rail (20) by Spanndraehte (18.18 '), wherein the drive of the movable rail (22) one at one of the two retaining rails (10,20) arranged designated, is essentially over-stretching their broadness and by a motor (12) in both directions of rotation driven shaft (14) and also two Antriebschnuere (24.24 ') has, the out-from the shaft (14), with a first strand, extending vertically downward, directly with the movable rail (22) are connected and running with a second strand, each parallel to the first strand, to the opposite Hal- Teschi (20) RAS, where it is deflected in the opposite direction to the movable rail (22) guide are characterized in that at each end of the shaft (14) two substantially from the thermoplastic elastomers existing ben wedge distinction (16.16 ') are arranged axially fixed, each about a drive line (24.24') runs from synthetic fiber, which frictionally biased to the keyway side walls of the wedge plates (16, 16 is present '), wherein the frictional engagement over in stride a defined torque of the motor (12) is solvable-like clutch slip.

Probable Assignee: WAREMA RENKHOFF GMBH AND CO KG 8772 MARKTHEIDENFELD DE

Earliest Publication Date: 19920220

12) Family number: 17862977 (DE29708260U1)

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STRANGULATION SAFETY DEVICE

Abstract: Source: DE29708260U1 (Claim 1) 1. Stranguliersicherung fuer eine Schlaufe (1; 11) bildende Betaetigungsschnuere von Rollos, Lamellenvorhaengen und dergleichen, gekennzeichnet durchein Zylinder (5), in dem die Schlaufe (1; 11) zumindest teilweise aufgenommen ist und der entlang der Schlaufe (1; 11) v erschiebbar istundeinen Anschlag (6) fuer den Zylinder (5), durch den der Zylinder (5) inseiner Ruhelage gehalten ist.

Machine translation: (Claim 1) 1 Stranguliersicherung for a loop (1, 11) forming Betaetigungsschnuere of blinds, pads **curtains** and the like characterized by a cylinder (5), in which the loop (1, 11) is at least partially absorbed and along the loop (1, 11) v erschiebbar istundeinen stop (6) for the cylinder (5), through which the cylinder (5) Insein rest is held.

Probable Assignee: SORCE GIACOMO

Earliest Publication Date: 19970828

13) Family number: 19597907 (GB642968A)

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WINDOWS WITH MOUNTINGS FOR **CURTAINS**

Abstract: Source: GB642968A [Class 52 (v)] [Also in Group X] In movable window sashes, particularly those comprising a pair of sashes 1, 2 integrally joined and swingable about a median horizontal axis, there are provided **curtains** 6 stretched between upper and lower hooks or other holders 5 connected to **rollers** and movable along channels 3 in the upper and lower members of one of the sashes. The **curtains** are operated by a drawstring.

Probable Assignee: ERIC SIGFRID PERSSON

Earliest Publication Date: 19500913

14) Family number: 19815400 (US1790312A)

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Abstract: Source: US1790312A 1. In a **Venetian** blind associated with a frame and having ahead rail disposed adjacent the frame and supporting the blind, retaining means supported by said frame and including a portion resiliently held in a position to secure said head rail in place_

Earliest Publication Date: 19310127

15) Family number: 23033342 (FR1321456A)

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STORE A JALOUSIE ENROULABLE STORE A JEALOUSY ROLL (MACHINE TRANSLATION)

Abstract: Source: FR1321456A (Claim 1) 1 Ii comprend un tambour monte pour tourner, un store fixe au tambour pour etre enroule et deroule lors d'une rotation correcte du tambour, un cordon souple fixe au moins en partie autour du tambour, deux parties du cordon etant dirigees vers le bas a partir de ce dernier, le sens de rota tion du tambour etant determine par celle des parties du cordon qui est tiree, et un moyen de frottement en regard duquel les parties du cordon sont suspendues,le moyen de frottement empe chant les parties du cordon de glisser sauf lors qu'une force externe leur est appliquee, le moyen de frottement etant espace au-dessus du tambour d'une courte distance, le moyen de frottement com prenant un moyen definissant une ouverture limi tee juste assez grande pour le passage des deux parties du cordon et une fermeture au-dessus de l'ouverture assez grande pour permettre un certain rassemblement d'une partie de cordon bouclee avec les parois laterales de facon a contenir le cordon rassemble, le poids du store retenant ainsi les par ties du cordon de facon que la partie du cordon qui est dirigee vers le bas a partir du meme cote du tambour que le store se rassemble et se groupe dans fintervalie compris entre le tambour et l'ou verture, en bloquant ainsi le tambour a l'encontre d'une rotation supplementaire jusqu'a ce qu'une force exterieure soit appliquee aux parties du cor don;

Machine translation: (Claim 1) comprises a drum 1 II mounted for rotation, a blind fixed to the drum to be wound and unwound in a correct rotation of the drum, a flexible cord fixed at least partly around the drum, both sides cord being directed downwardly therefrom, the direction of rotation of the drum tion being determined by the parts of the cord as is derived, and a means of friction with respect to which parts of the cord are suspended, **The** means of friction emperor sing parts of the cord from sliding except when an external force applied to them, the friction means being space above the drum a short distance, the friction means taking com means defining an opening just large enough t limited to the passage of both sides of the cord and closing above the opening large enough to allow a gathering of some of cord looped with the side walls to contain collects the cord, the weight of the awning thus retaining the parts of the cord by way of that part of the cord is directed downward from the same side of the drum that the blind and group gathers in fintervalie between the drum and or the opening, thereby locking the drum against an additional rotation until an external force is applied to corresponding parts of the gift;

Probable Assignee: ARTCRAFT VENETIAN BLIND MFG CO

Earliest Publication Date: 19630322

16) Family number: 28679437 (DE20200627U1)

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FLEXIBLE BOX SYSTEM FOR SHUTTERS, HAS INNER COMPARTMENT WITH VARIABLE SIZE OPENING FORMED BY THERMAL INSULATION

Abstract: Source: DE20200627U1 The box (1) containing the **roller** blinds (26) has thermal insulation (13) forming an inner compartment accessible via a variable size opening (4) in the box base, close to the front side of the box. This opening can be adapted to different construction requirements and/or the box can comprise an integral, completely pre-assembled unit.

Probable Assignee: D AND M ROLLADENTECHNIK GMBH

Earliest Publication Date: 20030605

17) Family number: 31037823 (DE20304015U1)

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BUILDING DOUBLE-GLAZED WINDOW WITH ROLLER BLIND HAS SUPPLEMENTARY INNER GLASS PANE

Abstract: Source: DE20304015U1 A double-glazed window or door has a roller blind (14) with a protective foil (10) which descends as required from a top-mounted cassette (13). An additional pane of transparent glass (18) is fitted over the rear side of the window or door.

Probable Assignee: WRIESSENEGGER ALFRED

Earliest Publication Date: 20030508

18) Family number: 8486721 (AU199466155A)

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A HEAT EXCHANGING WINDOW COVERING

Abstract: Source: AU199466155A A heat exchanging window covering comprising one or more radiant heat absorbent surfaces which can be positioned in a room adjacent to a window and spaced apart therefrom to absorb radiant solar energy. The absorbent surfaces of this window covering being so arranged that there is provision of air spaces adjacent to the absorbent surfaces to allow for the establishment of convective air currents within the room which result from conductive heating of air adjacent to the absorbent surfaces. This invention ,Iso relates to a method of heating a room utilising the inventive heat exchanging **window covering. C:s p:\wpdocs\vmj\5131i3.spc\30.0694

Probable Assignee: EUAN MACDONALD SUTHERLAND

Earliest Publication Date: 19950119

19) Family number: 16737089 (DE8632616U1)

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Abstract: Source: DE8632616U1 (Claim 1) 1. Vorhangschiene fuer eine Jalousie (4) und einen Rollovorhang (5), in der nebeneinander eine Jalousiewelle (41) und eine Rollovorhangswelle (51) gelagert sind, wobei auf einem Ende beider Wellen je ein Kegelrad (44,52) befestigt ist, in deren Naehue eine Querachse (61) vorgesehen ist, auf der drehantreibbar und in Axialrichtung verschieblich ein Doppelkegelrad (621) sitzt, das in einer Schiebeendstellung mit dem Rollovorhangkegelrad (52) und in der anderen Schiebeendstellung mit dem Jalousiekegelrad (44) kaemmt.

Machine translation: (Claim 1) 1 Curtain rail for a blind (4) and a blind curtain (5), are next to each one blind while (41) and a shade curtain shaft (51) is mounted, wherein at one end of both waves ever a bevel (44.52) attached to their close to a transverse axis (61) is provided on the movable and drivable sits in an axial direction Doppelkegelrad (621), which in a Schiebeendstellung with Rollovorhangkegelrad (52) and the other with the Schiebeendstellung Jalousiekegelrad (44) meshes.

Probable Assignee: CHANG A SHEN FU HSING HSIANG CHANGHUA TW

Earliest Publication Date: 19870129

20) Family number: 19809477 (GB505982A)

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AN ARRANGEMENT FOR THE PROTECTION OF INHABITED OR INHABITABLE ROOMS AGAINST HEAT RADIATION

Abstract: Source: GB505982A 31556. [Class 20 (iii)] [Also in Group VIII] A light-diffusing heat-insulating blind for rooms consists of a flexible transparent sheet of organic material such as cellulose derivative 4a and an outside metallic layer 4b preferably silver applied thereto. A protective coating 4c such as transparent varnish or lacquer may be applied to the metal. British Specifications 265,263, 271,425, 305,243, 306,078, [all in Class 140], 318,570, [Class 20 (iii)], 333,246, [Class 140], 420,390, (Group XXXIX), and U.S.A. Specifications 1,922,899, 1,983,617, and 2,003,494 are referred to.

Probable Assignee: KURT LION

Earliest Publication Date: 19390517

21) Family number: 20478789 (GB509091A)

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IMPROVEMENTS IN SHADES OR BLINDS FOR DOUBLE WINDOWS

Abstract: Source: GB509091A [Class 20 (iii)] A window blind for the space between the panes of a double window comprises sheet material folded or pleated so that edges are presented towards the surface of the panes. The blind is actuated by wires or the like to expand and contract the folds. The Specification as open to inspection under Sect. 91, describes and illustrates also a construction in which vertical slots arranged like a venetian blind on wires or sliding pivots are controlled by wires passing through the sashes. This subject-matter does not appear in the Specification as accepted.

Probable Assignee: ERIC SIGFRID PERSSON

Earliest Publication Date: 19390711

22) Family number: 23006027 (FR1297984A)

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DISPOSITIF DE BLOCAGE POUR LES CORDONS DE LEVAGE D'UN STORE VENITIEN, D'UN RIDEAU OU OBJET ANALOGUE LOCKING DEVICE FOR LIFTING STRIPS OF A VENETIAN BLIND, CURTAIN OR AN OBJECT SIMILAR (MACHINE TRANSLATION)

Abstract: Source: FR1297984A (Claim 1) 1 Un dispositif de blocage pour cordon ou au tres liens de levage, tels que ceux d'un store veni tien, d'un rideau ou objet analogue, ce dispositif comprenant un boitier, au moins un organe de blocage pivotant et au moins un rouleau de guidage pour les cordons, l'organe de blocage cooperant avec une plaque en forme.d'U presentant une fente dans la partie reunissant les.deux branches de l'U, ce dispositif etant caracterise en ce que l'organe de blocage comprend, le long d'un au moins des bords de la fente, une languette dirigee vers la plaque avec laquelle l'organe de blocage coopere.

Machine translation: (Claim 1) 1 A locking device for the cord or very lifting links, such as those of a blind veni maintenance, a curtain or similar object, said device comprising a housing, at least one member locking swivel and at least one guide roller for the cords, the locking member cooperating with a plate forme.d U having a slot in the COLLECTED les.deux arms of the U, this device being characterized in that the locking member comprises, along at least one of edges of the slot, a tongue directed towards the plate with which the locking member cooperates.

Probable Assignee: HUNTER DOUGLAS INT QUEBEC LTD

Earliest Publication Date: 19620706

23) Family number: 23006108 (FR1297991A)

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**DISPOSITIF DE BLOCAGE APPLICABLE AUX CORDONS DE LEVAGE D'UN STORE VENITIEN, D'UN RIDEAU OU OBJET ANALOGUE
LOCKING DEVICE APPLICABLE TO LIFT CORDS OF A VENETIAN BLIND, CURTAIN OR AN OBJECT SIMILAR (MACHINE TRANSLATION)**

Abstract: Source: FR1297991A (Claim 1) 1 Un dispositif de blocage applicable aux cordons de levage d'un store venitien, d'un rideau ou autre objet analogue, ce dispositif comprenant un boîtier dans lequel sont montés rotativement au moins un organe de blocage en U, et au moins un rouleau de guidage pour le cordon, ce dispositif étant caractérisé en ce que pour coopérer avec chaque organe de blocage il est disposé dans le boîtier une plaque mobile entre deux positions extrêmes, cette plaque étant placée à une distance telle de l'organe de blocage que le cordon puisse être bloqué entre la plaque mobile et l'organe de blocage.

Machine translation: (Claim 1) 1 A locking device applicable to cords corresponding lifting of a venetian blind, curtain or other similar object, said device comprising a housing in which are mounted rotatably at least one locking member in U, and at least one guide roller for the cord, available device being characterized in that to cooperate with each locking member is arranged in the housing a plate movable between two extreme positions, said plate being placed at a distance such the locking of the cord can be blocked between the movable plate and the locking member.

Probable Assignee: HUNTER DOUGLAS INT QUEBEC LTD

Earliest Publication Date: 19620706

24) Family number: 24060 (AT301827B)

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**ROLLVORHANG
ROLL CURTAIN (MACHINE TRANSLATION)**

Probable Assignee: FRIEDRICH ROHR

Earliest Publication Date: 19720925

25) Family number: 16350146 (DE7427886U)

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Abstract: Source: DE7427886U (Claim 1) 1. Führungsschiene fuer Behaenge, insbesondere fuer Lamellen-Jalousien, Rollläden, Verdunkelungsvorhaenge oder dgl. mit einem Profil und mit mindestens einer zwischen dem Behang und den Schenkeln des Profils vorgesehenen, an den einander zugewandten Seiten der Schenkel angebrachten Zwischenlage, dadurch gekennzeichnet, dass die Zwischenlage (7) als Beflockungsschicht ausgebildet ist.

Machine translation: (Claim 1) 1 Führungsschiene for blinds, particularly for lamellar blinds, shutters, Verdunkelungsvorhaenge or the like having a profile with at least one between the ears and the legs of the profile provided on the facing sides of the legs between the intermediate layer, wherein the Intermediate Management (7) as Beflockungsschicht-out forms is.

Probable Assignee: RAU D

Earliest Publication Date: 19741121

26) Family number: 51790018 (DE202011050684U1)

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**ROLLADEN ZUM VERSCHLUSS EINES FENSTERS EINER TÜR ODER DERGLEICHEN
ROLLER SHUTTER FOR CLOSING A WINDOW OF A DOOR OR THE LIKE (MACHINE TRANSLATION)**

Abstract: Source: DE202011050684U1 Rollläden (1) zum Verschluss eines Fensters einer Tür oder dergleichen, mit mehreren auf eine Wickelwelle aufladbaren Rolllädenstäben (3), die in seitlichen Führungen (4) auf einem Rahmenprofil (5) angeordnet sind, und wobei die Rolllädenstäbe (3) über ein in den seitlichen Führungen (4) vorgesehenes Zugmittel (6) verbunden sind, wobei der einzelne Rollladenstab (3) an dem Zugmittel (6) schwenkbar gelagert ist, wobei zumindest in einem der seitlichen Führungen (4) eine Betätigungseinrichtung (7) zum Jalousieartigen Verschwenken der an dem Zugmittel (6) gelagerten Rolllädenstäbe (3) integriert ist, dadurch gekennzeichnet, dass die Betätigungseinrichtung (7) zum Jalousieartigen Verschwenken der Rolllädenstäbe (3) aus einer sich über die seitliche Führung (4) erstreckende Führungsschiene (8) besteht, in der an den schwenkbar gelagerten Rolllädenstäben (3) endseitig vorgesehene Zapfenelemente (9) greifen und geführt sind, die durch horizontale Verschiebung der Führungsschiene (8) die schwenkbar gelagerten Rolllädenstäbe (3) von einer Verschlussstellung in eine Offenstellung verschwenken.

Machine translation: Blinds (1) for closing a window of a door or the like, with several roll-on a winding shaft Rolllädenstäben (3), which are arranged in lateral guides (4) on a frame section (5), and wherein the Rolllädenstäbe (3) by one in the lateral guides (4) provided traction means (6) are connected, wherein said single roller shutter bar (3) on the traction means (6) is pivotally mounted, at least in one of the lateral guides (4) has a Betätigungseinrichtung (7) integrated to the shutter-like swiveling of the on the drawing means (6) mounted Rolllädenstäbe (3), characterized in that the Betätigungseinrichtung (7) to the shutter-like swiveling of the Rolllädenstäbe (3) consists of a first 8 by the lateral guide (4) extending Führungsschiene (8) which in the pivoted Rolllädenstäben (3) at the ends provided yearn peg members (access 9) and guided to pivot by means of horizontal displacement of the Führungsschiene (8) pivotally mounted Rolllädenstäbe (3) from a closed position into an open position.

Probable Assignee: SCHOENE VERA

Earliest Publication Date: 20120906

27) Family number: 52143354 (DE202012001543U1)

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BRANDSCHUTZTORANORDNUNG

Abstract: Source: DE202012001543U1 Brandschutztoranordnung mit einer Toröffnung (1) und einem beweglichen Tor (3), das zum Öffnen bzw. Verschieben der Toröffnung (1) vorgesehen ist, wobei weiter wenigstens eine Brandschutzeinrichtung (4, 5) vorgesehen ist, dadurch gekennzeichnet, dass die Brandschutzeinrichtung (4, 5) beabstandet vom Tor (3) angeordnet sowie beweglich ausgelegt ist, so dass sie wenigstens im Brandfall das Tor (3) wenigstens abschnittsweise überdecken kann.

Machine translation: Brandschutztoranordnung with a door opening (1) and a movable gate (3), which is provided for opening and closing the door opening (1), wherein is further at least one fire protection means (4, 5), characterized in that the fire protection system (4, 5) arranged spaced from the gate (3) and designed movable so that they at least in the case of fire, the gate (3) is able to cover at least partially is.

Probable Assignee: H AND K TECKENTRUP KG

Earliest Publication Date: 20121025

28) Family number: 53677274 (DE202010017956U1)

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SCHUTZVORRICHTUNG PROTECTION DEVICE (MACHINE TRANSLATION)

Abstract: Source: DE202010017956U1 Schutzvorrichtung fuer die Zugschleife einer Jalousie oder eines Vorhangs, wobei die Schleife zwei im Wesentlichen senkrechte, von der Haltevorrichtung der Jalousie oder des Vorhangs haengende Teilabschnitte aufweist, die im Wesentlichen parallel zueinander verlaufen und unten verbunden sind, um einen Schleifenabschnitt zu definieren, wobei die Schutzvorrichtung eine starre Huellenstruktur (1) aufweist, die ausgebildet ist, waehrend der Bedienung der Jalousie auf der Schleife aufzuliegen, daran haengen zu bleiben, und ein Verschieben derselben mit Bezug auf die Vorrichtung zu ermoeglichen, wobei die Struktur einen gegenueberliegenden Abschnitt (3), der auf dem Schleifenabschnitt aufliegt, und einen oberen Rand (5), der in dem Zustand, wenn die Vorrichtung auf der Zugschleife befestigt ist, der Haltevorrichtung gegenueberliegt, aufweist, wobei der Abstand zwischen dem oberen Rand und dem gegenueberliegenden Abschnitt derart ausgebildet ist, dass im befestigten Zustand eine externe nach oben ziehende Kraft, die auf die Schleife ausgeuebt wird, ein Anheben der Vorrichtung und ein...

Machine translation: Guard for the pull tab of a blind or a **curtain**, wherein said loop has two substantially vertical, having suspended from the holding device of the blind or **curtain** portions, which are substantially parallel to each other and connected at the bottom to define a loop portion, wherein the protective device has a rigid Huellenstruktur (1) which is formed during the operation of the blind on the loop overlie to remain hanging it, and displacing it with respect to enable us to the apparatus, wherein the structure of an opposed portion (3) which rests on the loop portion, and an upper edge (5) in the state when the device is mounted on the pull tab of the opposite holding device, wherein the distance between the upper edge and the opposite portion is formed such is that in the mounted state an external upward pulling force exerted on the loop of the lifting device and a...

Probable Assignee: MOTTURA SPA

Earliest Publication Date: 20130516

29) Family number: 55105242 (DE102013208039A1)

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ENERGIE- UND KOMFORT-OPTIMIERTE GANZGLASFASSADE ALL-GLASS FACADE COMPRISES TRANSPARENT, HIGHLY HEAT-INSULATING GLAZING THAT IS FORMED OVER ENTIRE FLOOR HEIGHT AND INDEPENDENTLY OPERABLE SUNSCREEN DEVICES THAT ARE EXTERNALLY LOCATED IN FRONT OF PARAPET AND SPLIT PANE

Abstract: Source: DE102013208039A1 Eine Ganzglasfassade umfasst ein transparentes, hochwaermedaemmendes Isolierglas ueber eine gesamte Geschosshoehe, vor der Position 3 des Waermeschutzglases befindliche, mindestens in einen Bruestungsbereich und einen Fensterbereich geteilte, sowie unabhaengig voneinander betaeigbare Sonnenschutzeinrichtungen; und einen getrennt betaeigbaren Blendschutz im raumseitigen Fensterbereich. The facade comprises transparent, highly heat-insulating glazing over an entire floor height. The independently operable sunscreen devices are externally located in front of parapet and split pane. A separately operable glare is positioned in room-side pane. The outer side sun protection devices are designed as blind and/or awning and/or shade.

Probable Assignee: MICHAEL LANGE INGENIEURGBMH PROF

Earliest Publication Date: 20131107

30) Family number: 55757777 (DE202013009721U1)

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FUEHRUNGSPROFIL GUIDANCE PROFILES (MACHINE TRANSLATION)

Abstract: Source: DE202013009721U1 Fuehrungsprofil fuer einen Behang (6, 7) vor einer, insbesondere eine Fensterebene (53) aufspannende, oeffnung (4) in einem Gebaeude, insbesondere fuer einen Rollladen, Raffstore, Fliegenschutzgitter, Sonnenschutz, oder dgl. vor einem Fenster, mit einer ersten Rastvorrichtung (14) mit erster Rastrichtung (19) und mit einer zweiten Rastvorrichtung (15) mit zweiter Rastrichtung (21), und mit einem an einem gebaeudefesten Traeger (1) festgelegten Befestigungsmittel (16), wobei das Befestigungsmittel (16) mit einer der Rastvorrichtungen (14, 15) durch Einschieben des Fuehrungsprofils (2) auf das Befestigungsmittel (16) in Rastrichtung (19, 21) verrastet und das Fuehrungsprofil (2) am Traeger (1) festlegt, dadurch gekennzeichnet, dass die erste Rastrichtung (19) in eine andere Richtung zeigt wie die zweite Rastrichtung (21). Guidance profiles for a hanging (6, 7) before, especially a window level (53) spanning, opening (4) in a building, especially for a **roller** shutter, **venetian** blinds, fly screens, solar shading, or the like in front of a window, with a first latching device (14) with first detent means (19) and with a second latching device (15) with second detent means (21), and fixed with a at a gebaeudefesten carrier (1) fastening means (16), wherein the fastening means (16) with one of the locking devices (14, 15) by inserting the Fuehrungsprofils (2) to the fastener (16) locking means (19, 21) locked and the drive profile (2) on the support (1) defines, characterized in that the first detent device (19) in a different direction as the second latching means (21).

Probable Assignee: ALUKON KG

Earliest Publication Date: 20140220

31) Family number: 56140116 (DE202014100521U1)

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MONTAGEKASTEN FUER EINEN BEHANG BOX ASSEMBLY FOR A FABRIC (MACHINE TRANSLATION)

Abstract: Source: DE202014100521U1 Montagekasten (01) zur Aufnahme eines Behangs zur Abdeckung einer Tuer- oder Fensteroeffnung eines Gebaeudes, insbesondere eines Rollladens (04), einer Jalousie oder eines Raffstores, mit einem aeusseren Wandelement (11), einem inneren Wandelement (12), einem unteren Wandelement (13) und einem oberen Wandelement (14) sowie beidseitig an den Stirnseiten der Wandelemente (11-14) angeordneten Abschlusselementen (15), wobei die Wandelemente (11-14) und Abschlusselemente (15) einen kastenartigen Aufnahmebaum (02) zur Aufnahme des Behangs (04) bilden, und mit einer zur Unterseite weisenden oeffnung (16) zum Durchtritt des Behangs (04) beim oeffnen und Schliessen, dadurch gekennzeichnet, dass am oberen Wandelement (14) und/oder an mindestens einem Abschlusselement (15) mit Abstand zum aeusseren und inneren Wandelement (11, 12) ein sich nach oben vom Aufnahmebaum (02) weg erstreckendes Montageanschlusselement (21) angeordnet ist, welches an einer Seitenflaeche des Sturzes (07) einer Fenster- oder Tueroeffnung des Gebaeudes bringbar ist. Mounting box (01) for receiving a **curtain** to cover a door or Fensteroeffnung of a building, especially a **roller** shutter (04), a blind or a **venetian** blind, with an external wall element (11), an inner wall member (12) a bottom wall element (13) and an upper wall element (14) and at both end sides of the wall elements (11-14) arranged in terminal elements (15), wherein the wall elements (11-14) and closing elements (15) has a box-like receiving chamber (02) opening formed for receiving the hanging (04), and with a side facing the bottom opening (16) for the passage of the **curtain** (04) at and closing, characterized in that the upper wall element (14) and / or at least one closure member (15) with distance from the outer and inner wall element (11, 12) an upwardly from the receiving chamber (02) extending away mounting connection element (21) is arranged, which at a Seitenflaeche the fall (07) window or a Tueroeffnung of the building can be brought.

Probable Assignee: HANSE HAUS GMBH

Earliest Publication Date: 20140410

32) Family number: 56528775 (DE202014002575U1)

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ABSCHLUSSELEMENT CLOSING ELEMENT (MACHINE TRANSLATION)

Abstract: Source: DE202014002575U1 Abschlusselement zum Einschieben in das offene Ende (2) eines Schlusstabes (3) eines Behangs (4), bestehend aus einem Einschubabschnitt (11) mit sich in Laengsrichtung (12) des Schlusstabes (3) erstreckenden Anlagekanten (13, 14) und die Enden (17, 18, 19, 20) der Anlagekanten (13, 14) miteinander verbindenden Querkanten (15, 16), die ein erstes Ende (21) und ein zweites Ende (22) des Einschubabschnittes (11) ausbilden und zusammen mit den Anlagekanten (13, 14) Seitenflaechen (23, 24) des Einschubabschnittes (11) begrenzen, und die Seitenflaechen (23, 24), die Anlagekanten (13, 14) und die Querkanten (15, 16) den Koerper des Einschubabschnittes (11) begrenzen, mit einem an einem Ende (21) des Einschubabschnittes (11) angeordneten Anschlag (9), der die Seitenflaechen (23, 24) des Einschubabschnittes (11) ueberragt, dadurch gekennzeichnet, dass an dem Einschubabschnitt (11) eine Klemmzunge (30) ausgebildet ist, dass die Klemmzunge (30) in zwei Stellungen (33, 34) verstellbar ist, wobei in einer ersten Stellung (33) das freie Ende (31) der Klemmzunge (30) ausserhalb des Koerpers des Einschubabschnittes (11) liegt und das freie Ende (31) der Klemmzunge (30) in einer zweiten Stellung (34) innerhalb des Koerpers des Einschubabschnittes (11) liegt. Final element to be inserted into the open end (2) of a closing bar (3) of a blind (4), consisting of an insertion portion (11) in its longitudinal extension (12) of the closing bar (3) extending bearing edges (13, 14) and the ends (17, 18, 19, 20) of the bearing edges (13, 14) interconnecting transverse edges (15, 16) forming a first end (21) and a second end (22) of the insertion portion (11) and together with the bearing edges (13, 14) Seitenflaechen (23, 24) of the insertion portion (11) limit, and Seitenflaechen (23, 24), the abutment edges (13, 14) and the transverse edges (15, 16) the body of the insertion portion (11) define, with at one end (21) of the insertion portion (11) arranged in the stop (9) of the Seitenflaechen (23, 24) of the insertion portion (11) extends, characterized in that on the insertion section (11) formed clamping tongue (30), that the clamping tongue (30) is adjustable in two positions (33, 34), wherein in a first position (33) the free end (31) of the clamping tongue (30) outside the body of the insertion section (11), and the free end (31) of the clamping tongue (30) in a second position (34) within the body of the insertion portion (11).

Probable Assignee: ALUKON KG

Earliest Publication Date: 20140605

33) Family number: 59881663 (DE202015002653U1)

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VERBUNDELEMENT IN STURZFORM FUER RANDOEFFNUNGEN COMPOSITE ELEMENT IN FALL SHAPE FOR RANDOEFFNUNGEN (MACHINE TRANSLATION)

Abstract: Source: DE202015002653U1 Verbundelement (11, 33) in Sturzform fuer Wandoeffnungen, insbesondere Fenster oder Tueren, wobei das Verbundelement zur Aufnahme einer aeusseren Abschlussvorrichtung (12, 36), wie Rollladen, Rollo, Jalousie oder dergleichen, fuer eine Wandoeffnung (19) dient, wobei das Verbundelement aus einer Isoliereinrichtung (21, 35) und einer Trageinrichtung (22, 34) gebildet ist, wobei die Trageinrichtung eine Ausnehmung (25) ausbildet, innerhalb der die Isoliereinrichtung angeordnet ist, und die zur Aufnahme der Abschlussvorrichtung ausgebildet ist, wobei eine mit einer Wandinnenflaeche (30) korrespondierende Wandung der Trageinrichtung gegenueber einem Aussenbereich (31) mittels der Isoliereinrichtung gedaeummt ist, wobei die Isoliereinrichtung aus geschaeumten Kunststoff besteht, dadurch gekennzeichnet, dass die Isoliereinrichtung aus einem duromeren Reaktionsharzschaum auf Phenolharzbasis mit einem anorganischen Fuellstoff besteht, wobei eine Oberflaeche der Isoliereinrichtung mit einer Beschichtung versehen ist. The composite member (11, 33) in camber shape for Wandoeffnungen, in particular windows or doors, the composite member for receiving an external terminal device (12, 36), such as blinds, **roller** blinds, blinds or the like, for a Wandoeffnung (19) used wherein the composite member from an insulating means (21, 35) and a support means (22, 34) is formed, wherein the support means comprises a recess (25) is formed within which the isolating device is disposed, and which is adapted for receiving the termination device, wherein one with a Wandinnenflaeche (30) corresponding wall of the supporting device with respect to an outer region (31) is insulated by the insulation, the insulation device consists of foamed plastic, characterized in that the isolation means comprises a thermoset reaction resin based on phenolic resin with an inorganic filler, a surface of the insulation device is provided with a coating.

Probable Assignee: ALLENDOERFER BETONWERK GMBH GEB

Earliest Publication Date: 20150730

34) Family number: 60154732 (DE202015003848U1)

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VORBAU-SONNENSCHUTZVORRICHTUNG STEM-SUN PROTECTION DEVICE (MACHINE TRANSLATION)

Abstract: Source: DE202015003848U1 Vorbau-Sonnenschutzvorrichtung (1), insbesondere zur Sturzmontage, umfassend einen Sonnenschutzbehang (3), der in einem Aufnahmekasten (2) angeordnet ist, der an einer Unterseite (5) eine Öffnung (4) aufweist, durch die der Sonnenschutzbehang (3) aus dem Aufnahmekasten (2) heraus und in den Aufnahmekasten (2) hinein verbracht werden kann, wobei der Aufnahmekasten (2) einen Aufnahmekastenmantel (11) umfasst, der eine Rückwand (13) und eine Deckwand (14) und bevorzugt eine Vorderwand (12) aufweist, dadurch gekennzeichnet, dass in oder auf der Rückwand (13) oder in oder auf der Deckwand (14) zumindest ein Aufnahmebereich (18) ausgebildet ist, in dem zumindest ein Halteelement (20) eines Montageelementes (15) abnehmbar aufgenommen ist. Stem-sun protection device (1), in particular for the lintel, comprising a sunblind (3), which is arranged in a receiving box (2) mounted on a lower surface (5) has an opening (4) through which the sunblind (3) from the receiving box (2) and into the receiving box (2) can be introduced into it, wherein the receiving box (2) comprises a receiving box casing (11) having a rear wall (13) and a top wall (14) and preferably a front wall (12), characterized in that is formed in or on the rear wall (13) or in or on the top wall (14) at least one receiving region (18), in which at least one holding element (20) accommodated a mounting element (15) is removably is.

Probable Assignee: SCHLOTTERER SONNENSCHUTZ SYSTEME GMBH

Earliest Publication Date: 20150827

35) Family number: 60397958 (DE202014009251U1)

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JALOUSIE MIT SCHLIESSRICHTUNG VON UNTEN NACH OBEN BLIND WITH CLOSING FROM BOTTOM TO TOP (MACHINE TRANSLATION)

Abstract: Source: DE202014009251U1 Jalousie mit Schliessrichtung von unten nach oben, mit einem an einer Wendewelle (20) angeordneten, an dieser befestigten Behang (14) mit einzelnen Lamellen (16), wobei die Wendewelle (20) – und infolgedessen der Behang (14) – durch mehrere seilartige Zugmittel (24a, 24b) in Schliessrichtung bewegbar ist, die jeweils von einer jeweils zugeordneten, parallel zur Wendewelle (20) verlaufenden, durch eine Antriebseinrichtung (25) in Rotation versetzbaren Wickelwelle (26), auf die das jeweilige Zugmittel (24a, 24b) während der Schliessbewegung der Jalousie (10) aufwickelbar ist bzw. von der es während der entgegengesetzten Öffnungsbewegung abwickelbar ist, zu der Wendewelle (20) geführt sind, dadurch gekennzeichnet, dass zwei Zugmittel (24a, 24b) jeweils im Wesentlichen auf Höhe der ihnen jeweils zugeordneten Wickelwelle (26) in im Wesentlichen entgegengesetzte Richtungen nach aussen bis zu einer ihnen jeweils zugeordneten Umlenkrichtung (28a, 28b) geführt sind, dass jede Umlenkrichtung (28a, 28b) das ihr jeweils zugeordnete Zugmittel (24a, 24b) in Richtung der Wendewelle (20) umlenkt, und dass beide Zugmittel (24a, 24b) jeweils ausgehend von der Umlenkrichtung (28a, 28b) winklig, insbesondere senkrecht zur Wickelwelle (26) verlaufend, bis zu der Wendewelle (20) geführt sind. Blind with closing from bottom to top, with a at a turning shaft (20) arranged, in this attached hangings (14) with individual lamellae (16), said turning shaft (20) - and consequently the curtain (14) - by a plurality of rope-type pulling means (24a, 24b) is in the closing movable, each of a respectively associated, parallel to the turning shaft (20) extending, by a drive means (25) set in rotation the winding shaft (26) to which the respective tension means (24a, 24b) during the closing movement of the shutter (10) can be wound or from which it is during the opposite opening movement unwound, to the turning shaft (20) are guided, characterized in that two traction means (24a, 24b) in each case substantially on height of their associated winding shaft (26) (28a, 28b) are guided in substantially opposite directions to the outside up to a respectively associated deflection device, that each deflector (28a, 28b) that their respective associated tension means (24a, 24b) in direction of the turning shaft (20) deflects, and that both traction means (24a, 24b) are guided in each case starting from the deflection direction (28a, 28b) angled, in particular extending vertically to the winding shaft (26) up to the turning shaft (20).

Probable Assignee: UMBRATEC SYSTEM GMBH AND CO KG

Earliest Publication Date: 20151001

36) Family number: 60814635 (DE202015005148U1)

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SONNENSCHUTZANLAGE MIT WENDEANTRIEB SUN PROTECTION SYSTEM WITH REVERSIBLE DRIVE (MACHINE TRANSLATION)

Abstract: Source: DE202015005148U1 Sonnenschutzanlage mit einem Lamellenbehang, der eine Vielzahl Lamellen (22) aufweist, die an einer Tragvorrichtung (20) aufgehängt und mittels eines Wendeantriebes (16) in Ihrer Neigung verstellbar sind, wobei ein Antriebsmotor (26) ausserhalb eines Gehäuses (12) angeordnet ist, in welchem eine Antriebswelle (14) des Wendeantriebes (16) drehbar gelagert ist, durch welche wenigstens zwei Wendelager (18; 118; 218) angetrieben sind, mit welchen die Tragvorrichtung (20) verbunden ist, dadurch gekennzeichnet, dass innerhalb des Gehäuses (12) wenigstens eine Bremsvorrichtung (32; 132; 232) vorgesehen ist, die ein Bremsmoment auf den Wendeantrieb (16) ausübt. A sun protecting arrangement with a Lamellenbehang, comprising a plurality fins (22), hung up which on a supporting device (20) and by means of a turning drive (16) are adjustable in their inclination, wherein a drive motor (26) outside a housing (12) is arranged, in which a drive shaft (14) of the reversing drive (16) is rotatably mounted, through which at least two turning bearing (18; 218; 118) are driven, is connected to which the support device (20), characterized in that within the the housing (12) at least one brake device (32; 132; 232) is provided which exerts a braking moment on the turning drive (16) .

Probable Assignee: WAREMA RENKHOFF SE

Earliest Publication Date: 20151119

37) Family number: 62119825 (DE202016100971U1)

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ABNEHMBARE FENSTERRAHMEN-AUSSENSONNENSCHUTZVORRICHTUNG RELEASE WINDOW FRAME EXTERIOR SUN PROTECTION DEVICE (MACHINE TRANSLATION)

Abstract: Source: DE202016100971U1 Abnehmbare Fensterrahmen-Aussensonnenschutzvorrichtung (1) zur Befestigung an einer Aussenseite eines Fensters (11) mit einem Fensterrahmen (23), einem ersten Fensterrahmenpfosten (12) und einem zweiten Fensterrahmenpfosten (13), mit einer Befestigungsstrebe (2); einem Klemmmittel (16), das ausgebildet ist, um die Befestigungsstrebe (2) an der Aussenseite des Fensters (11) durch Klemmung zwischen dem ersten Fensterrahmenpfosten (12) und dem zweiten Fensterrahmenpfosten (13) zerstörungsfrei, werkzeuglos und abnehmbar in einer horizontalen Ausrichtung zu befestigen; und einem Sonnenschutzpanel (3) mit einem Befestigungsmittel (4), wobei das Befestigungsmittel (4) ausgebildet ist, um das Sonnenschutzpanel (3) zerstörungsfrei und werkzeuglos an der Befestigungsstrebe (2) zu befestigen und von dieser zu trennen. Removable window frame outer sun protection device (1) for attachment to an outside of a window (11) with a window frame (23), a first window frame post (12) and a second window frame post (13), with a fixing strut (2); a clamping means (16) which is adapted to the fastening strut (2) on the outside of the window (11) by clamping between the first window frame post (12) and the second window frame post (13) zerstörungsfrei, without tools and detachable in a horizontal orientation to secure; and a sunshade panel (3) with a fastening means (4), wherein the fastening means (4) is adapted to the sunshade panel (3) zerstörungsfrei and without tools to the fastening strut (2) to attach and disconnect it.

Probable Assignee: WEISS MARIA

Earliest Publication Date: 20160414

38) Family number: 62184923 (DE202016006743U1)

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BESCHATTUNGSEINRICHTUNG ZUR MONTAGE IN EINEM AUFNAHMEELEMENT IN EINER GEBAEUDEWAND OBERHALB EINER FENSTER- ODER TUEROEFFNUNG

Abstract: Source: DE202016006743U1 Beschattungseinrichtung (3) zur Montage in einem Aufnahmeelement (12) in einer Gebaeudewand oberhalb einer Fenster- oder Tueroeffnung (2), wobei die Beschattungseinrichtung (3) einen Behang (4) aufweist, der an einer linken und einer rechten Fuehrungsschiene (5, 6) zwischen einer oberen und einer unteren Position verstellbar gefuehrt ist, wobei die Beschattungseinrichtung (3) eine mit der linken Fuehrungsschiene (5) verbundene oder verbindbare linke Stirnwand (7) und eine mit der rechten Fuehrungsschiene (6) verbundene oder verbindbare rechte Stirnwand (8) aufweist, welche Stirnwaende (7, 8) durch eine Welle (9) miteinander verbunden sind, an welcher der Behang (4) befestigt ist, und wobei die Stirnwaende (7, 8) jeweils einen in Montageposition dem Gebaeudeinneren zugewandten Innenrand (38) und einen diesem abgewandt gegenueberliegenden Aussenrand (39) haben, dadurch gekennzeichnet, dass die linke und rechte Stirnwand (7, 8) jeweils in einem Bereich, der zwischen dem Innenrand (38) der betreffenden Stirnwand (7, 8) und einer die Laengsmittelachse der Welle (9) enthaltenden Vertikalebene (22) sowie oberhalb einer die Laengsmittelachse der Welle (9) enthaltenden Horizontalebene (23) angeordnet ist, einen ersten Randbereich (24) aufweisen, der als Schraege ausgebildet ist, die ausgehend von ihrem unteren Ende zu ihrem oberen Ende hin unter einem Steigungswinkel (a) von 30 degrees bis 60 degrees auf die die Laengsmittelachse der Welle (9) enthaltende Vertikalebene (22) zulaeuft.

Probable Assignee: GIESSLER DIRK

Earliest Publication Date: 20160428

39) Family number: 63835436 (DE202015004002U1)

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UNTERSTUETZUNGSFREIER ROLLADEN- UND JALOUSIEKASTEN SUPPORT FREE **ROLLER** SHUTTER AND BLIND BOX (MACHINE TRANSLATION)

Abstract: Source: DE202015004002U1 Unterstuetzungsfreier Rollladen- und Jalousiekasten dadurch gekennzeichnet, dass sein Korpus aus Hochleistungsbeton (1) mit einer Druckfestigkeit von 50.00 bis 250.00 N/mm2 bzw. Biegezugfestigkeit von 10 bis 25 N/mm2 ist, der an eine Waermedaemmung (2) an betonierte wurde und eine Putzblende (3) aufweist Support free **roller** shutter and blind box characterized, that his body made of high-performance concrete (1) with a compressive strength of 50.00 is up to 250.00 N/mm2 flexural strength of 10 up to 25 N/mm2, on a heat insulation (2) was concreted and a plaster cover (3) has

Probable Assignee: GUENTHNER NIKOLAUS

Earliest Publication Date: 20161020

40) Family number: 64906402 (DE202016007483U1)

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SENKRECHTBESCHATTUNG MIT INTEGRIERTER BELEUCHTUNG VERTICAL BLINDS WITH INTEGRATED LIGHTING (MACHINE TRANSLATION)

Abstract: Source: DE202016007483U1 Senkrechtbeschattung mit einem Gehaeuse (1) und zumindest einem Beschattungselement (2), welches nach unten ausfahrbar in dem Gehaeuse (1) angeordnet ist, dadurch gekennzeichnet, dass in das Gehaeuse (1) Beleuchtungsmittel (6, 7) integriert und/oder dass an dem Gehaeuse (1) Beleuchtungsmittel (6, 7) angeordnet sind. Vertical shading with a housing (1) and at least an element of shading (2) which is arranged down extendible into the housing (1), characterized that in the housing (1) lighting (6, 7) integrated or that on the casing (1) lighting (6, 7) are arranged.

Probable Assignee: WEINOR GMBH AND CO KG

Earliest Publication Date: 20170216

41) Family number: 57984889 (FR3006359B)

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STORE A ENROULEUR

Abstract: Source: FR3006359A Store a enrouleur comprenant un element allonge formant traverse (3), en particulier tubulaire, pour enrouler une bande de materiel de rideau, l'element formant traverse etant pourvu a une premiere extremite longitudinale d'un mecanisme de roulement (7) et d'un cordon (8) pour actionner le mecanisme de roulement et a la seconde extremite longitudinale opposee d'une partie de pose (6), comprenant en outre un premier et un second support(2) pour monter le store a enrouleur sur une base fixe et pour maintenir respectivement le mecanisme de roulement et la partie de pose et par consequent l'element formant traverse, le premier et le second support etant mutuellement identiques, chaque support etant muni d'une saillie de pose formant un ensemble avec lui, le mecanisme et la partie de pose devant etre poses sur les saillies. **Roller** blind comprising an elongate member forming a cross (3), in particular tubular, for winding a **curtain** of material strip, the cross member being provided at a first longitudinal extremity a chassis (7) and a cord (8) for actuating the rolling mechanism, and the second opposite longitudinal end a portion of installation (6), further comprising a first and a second support (2) for mounting the **roller** blind on a fixed base and respectively to maintain the bearing mechanism and the fitting portion and therefore the cross-member element, the first and the second support are mutually identical, each support being provided with a projection forming a set of poses with him The mechanism and the part to be posed poses on the projections.

Probable Assignee: B AND C INT

Earliest Publication Date: 20141205

42) Family number: 17953101 (DE3702556A1)

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CURTAIN OR NET **CURTAIN**

Abstract: Source: DE3702556A1 The invention relates to a **curtain** or net **curtain** consisting of a sheetlike material, in particular a cloth or knitted fabric guided by means of **curtain rollers** or the like in a **curtain** or net-**curtain** rail or rod. The essence of the invention consists in that mutually parallel areas or strips of high inherent rigidity, and between these in each case areas or intermediate strips which are very flexible, are arranged in a one-piece design.

Probable Assignee: ACKER JOSEF

Earliest Publication Date: 19880721

HEAD PART

Abstract: The invention relates to a head part for a blind for a gathering, folding or lamella **curtain** which can be lifted and which comprises a head rail (5) which is provided with a base (32) and two limbs (8, 9) which are arranged at a distance from each other and which protrude in an upward manner in the user position of the rail. At least one of the limbs (8) is provided, on the end thereof, with a deflection or a U-shaped shoulder (7) which is oriented towards the inside of the head part (5). An insertion piece can be introduced, from the side in the head rail (5), into at least one lateral end region of the head rail (5) and the respective insertion piece is arranged in the head rail. According to the invention, the insertion piece is made of two parts and comprises a support part (6) which can be detachably connected to the head rail (5), and a bearing part (2) which is provided with securing units (10) which are used to detachably secure to a window or door frame (1). The support part (6) and the bearing part (2) are connected together by means of a pivotable connection which enables, in the user position, the support part (6) to be pivoted in relation to the bearing part (2).

Probable Assignee: WO AND WO GRUEN GMBH

Earliest Publication Date: 20060629

**ANTRIEBSVORRICHTUNG ZUM ANTREIBEN EINER VERDUNKLUNGSVORRICHTUNG, INSBESONDERE EINES ROLLLADENS ODER EINER JALOUSIE
DRIVE DEVICE FOR DRIVING A BLACK-OUT DEVICE, IN PARTICULAR A SHUTTER OR A BLIND
(MACHINE TRANSLATION)**

Abstract: Source: DE102015117707A1 Die Erfindung betrifft eine Umruestvorrichtung zum Umruesten einer manuell betriebenen Verdunklungsvorrichtung, insbesondere eines manuell betriebenen Rollladens oder einer manuell betriebenen Jalousie, die eine Handkurbel, insbesondere eine mittels eines Kreuzgelenkes angeschlossene Handkurbel, aufweist. Die Umruestvorrichtung ermoeoglicht das Umruesten einer solchen manuell betriebenen Verdunklungsvorrichtung zu einer motorisch angetriebenen Verdunklungsvorrichtung, wobei die Umruestvorrichtung eine Antriebsvorrichtung mit einem Antriebsmotor und eine Kupplungsvorrichtung zum Ankoppeln einer Abtriebswelle der Antriebsvorrichtung an die Handkurbel oder an den an der Verdunklungsvorrichtung verbliebenen Abschnitt der Handkurbel nach Abtrennen eines Teils der Handkurbel aufweist. The invention relates to a conversion device for retrofitting a manually operated blackout device, in particular a manually operated **roller** or a manually operated **Venetian** blind that has a hand crank, especially a hand crank attached by means of a cross joint. The conversion device allows the conversion of such a manually operated blackout device to a motor-driven device of darkening the conversion device with a drive device with a drive motor and a coupling device for coupling an output shaft of drive device on the handle or on the remaining on the darkening device section of the hand crank after cutting off part of the handle.

Probable Assignee: SCHELLENBERG ALFRED GMBH

Earliest Publication Date: 20170420

WENDEVORRICHTUNG FUER EINE RAFFBARE LAMELLENJALOUSIE FOLDING **VENETIAN BLIND
TURNING MECHANISM COUPLING - HAS OPPOSITE OFFSET SERRATED PAWLS ON **ROLLER** AND
COGWHEEL ON SPINDLE**

Abstract: Source: DE2900451A1 AKTENZEICHEN Neuanmeldung Wendevorrichtung fuer eine raffbare Lamellenjalousie Ansprueche 1Wendevorrichtung fuer eine raffbare Lamellenjalousie, erzen Lamellen mittels Aufzugsorganen, die auf Wickeltrommeln auf- bzw von diesen abwickelbar sind, welche auf einer horizontalen Stell- und Aufzugswelle sitzen, und von Tragleitern getragen werden, die antriebsfest ueber auf der Stell- und Aufzugswelle drehbar angeordnete Wenderollen gefuehrt sind, und bei der ferner eine Kupplung angeordnet ist, welche jeweils bei Umkehr der Wellendrehrichtung innerhalb eines bestimmten Schwenkbereiches der Lamellen eine drehfeste Verbindung zwischen der Stell- und Aufzugswelle und der Wenderolle schafft und nach Erreichen eines Loeseglieds am jeweiligen Ende des Schwenkbereichs oeffnet, dadurch gekennzeichnet, dass die Kupplung in an sich bekannter Weise ein Klinkengesperre (13,14) ist, und dass das Klinkengesperre aus zwei in der Wenderolle (19) um 1800 versetzt angeordneten,radial verschieblichen Zahnklinken (14) mit entgegengesetzter Sperrichtung sowie einem drehfest mit der Welle verbundenen, mit den Zahnklinken zusammenwirkenden Zahnrad (13) besteht, und dass das Loeseglied (28,30;29,31) mindestens die jeweils sperrende Zahnklinke ausser Eingriff mit dem Zahnrad fuehrt 2 Wendevorrichtung nach Anspruch 1, dadurch gekenn #zeichnet, dass die Wendetrommel (19) in jeder Endstellung am Ende des Schwenkber-eichs mit einem ortsfesten Bauteil (174 loesbar verrast-et Nocken 38, Rastkerben 39) 3. Draw organs, wound up on drums, are seated on a setting and drawing spindle, and borne by ladder guides led across turning **rollers** on the spindle, in the concertina-folding slatted **venetian** blind. A coupling provides firm connection between spindle and **roller**, within a set slat swivelling range, and opens on reaching an end release unit. The coupling is a pawl ratchet. This comprises two opposite-way, radially sliding toothed pawls offset through 180 deg. in the **roller** together with a cogwheel on the spindle. The release unit, guides the locking pawl concerned out of engagement with the cogwheel. This provides reliable form-locking coupling, while still being accommodated inside the **roller**.

Probable Assignee: HUEPPE JUSTIN FA

Earliest Publication Date: 19800710

ROLLER SHUTTER.

Abstract: 1. **Roller** blind comprising a hanging of horizontal slats which at their faces are adapted to be guided by guide pins (16) in vertical guide rails between a top end position and a bottom end position and, starting from a predetermined top slat (4), are suspended pivotally on pull members (20) and joined by coupling members (28) to form a slat pivoting assembly (5) consisting of a plurality of parallel pivotable slats, and further comprising control sections (44, 45, 46, 47) on control jaws (40) which during the movement of the **roller** blind come into engagement with control elements (26) on the faces of the slat pivoting assembly (5) and move the slat pivoting assembly (5) selectively from a vertical position into a pivoted position, the control jaws (40) containing a passage channel (42) divided longitudinally by means of a partition (41) into a rear downward track (42a) and a front upward track (42b), and also containing a first outwardly and downwardly inclined control section (44), a substantially horizontal second control section (44a, 46) adjoining the said section (44), a third control section (43), extending obliquely rearwards and downwards, at the bottom end of the partition (41), and a fourth control section (47), extending obliquely forwards and upwards, at the top end of the partition (41), the top end of the first control section (44) extending as far as the partition (41), and the upward track (42b) closing in a first position and releasing in a second position, characterised in that the control jaws (40) are disposed in the guide rails (50) in such a manner that the passage channel (42) extends in the plane of the guide pins (16), and that the third control section (43) is extended to the base (91) of the guide rail (50) and the downward track (42a) closes in a first position and releases in a second position, and that the fourth control section (47) in a first position extends over the upward track (42b) and closes it, and in a second position frees the upward track (42b).

Probable Assignee: HUEPPE GMBH

Earliest Publication Date: 19810129

(47) Family number: 2066449 (DE3037702A1)

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THE TILTING STRAND (5) FOR GATHERABLE LAMELLAR BLINDS IS PROVIDED WITH METAL ELEMENTS FOR ABSORBING THE TENSILE FORCES...

Abstract: Source: DE3037702A1 The tilting strand (5) for gatherable lamellar blinds is provided with metal elements for absorbing the tensile forces in the lowered state of the lamellar hanging as well as with connecting arrangements (32) for the lamellae. In order that the extension of the tilting strands remains as small as possible even in the case of great loads, it is envisaged that the tilting strand (5) is made in the form of a fabric band, the warp threads (33) of which, which support the connecting arrangements (32), are metal wires, and that the weft thread (34) is a textile material thread.

Probable Assignee: SCHENKER EMIL AG

Earliest Publication Date: 19820729

(48) Family number: 2089152 (DE3037734A1)

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THE TILTING BAND (5) FOR GATHERABLE LAMELLAR BLINDS CONSISTS OF A LARGE NUMBER OF SECTIONS, CONNECTION POINTS FOR THE...

Abstract: Source: DE3037734A1 The tilting band (5) for gatherable lamellar blinds consists of a large number of sections, connection points for the individual lamellae being arranged on the individual sections (35). In order that the tilting strands (5) do not stretch under the weight of the lamella armour and can be accommodated in narrow lateral guides, the sections are made from dimensionally stable band sections (35) which, to form a loop-like guide (38), are provided in the region of their upper ends on both sides with lateral projections which are bent approximately parallel to the surface of the band section (35). In this case, the upwardly following band section (35) is mounted displaceably in its longitudinal direction in each guide (38). The band sections (35) also have on their lower ends on the side of the guide (38) a hook (39) which enters into a positive connection with the adjacent guide (39). The connection points (36, 37) for the lamellae are arranged on the upper end of the band sections (35) on the band side lying opposite the guide (38).

Probable Assignee: SCHENKER EMIL AG

Earliest Publication Date: 19820916

(49) Family number: 22111501 (US2802523A)

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INSTALLATION PROVIDING MOVEMENT OF **VENETIAN BLIND AWAY FROM WINDOW**

Abstract: Source: US2802523A (Claim 1) 1. A **Venetian** blind installation providing for movement of the blind from a window-adjacent vertical plane to a parallel plane located inwardly of the room, said installation comprising: a pair of fixedly-positioned pivots located midway between said vertical planes, a pair of arms each of a length approximately equal to half the distance between the two vertical planes, ends of the arms being secured by the pivots for horizontal swinging movement of the free ends of the arms through half circles from one of said vertical planes to the other of said vertical planes, a Venetian blind supported from the free ends of the arms, and means located along the lengths of the arms for receiving the load imposed on the arms by the blind.

Probable Assignee: LORENTZEN HARDWARE MFG CORP

Earliest Publication Date: 19570813

(50) Family number: 50098842 (EP2395194A1)

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A SYSTEM AND METHOD FOR BLOCKING LIGHT

Abstract: Source: EP2395194A1 A system (1) and method serves for blocking light or thermal energy passing through an opening (3). The light-blocking system (1) comprises a length-adjustable screen (5) having a first face (12a) and a second face (12b) interconnected at a distance from each other by means of a spacer means (14), a frame (2) bordering at least a part of the opening (3), and means for blocking light passing through a gap between at least one lateral edge (16) of the length-adjustable screen (5) and the frame (2), which means for blocking light passing through said gap comprises at least one slot (17) extending inside the length-adjustable screen (5) between the first plane (13a) and the second plane (13b) from at least one free lateral edge (16) of the length-adjustable screen (5), and a longitudinal key means (6) protruding from the frame (2) inside the opening (3) opposite the at least one slot (17) and configured to engage said at least one slot (17). The key means and the slots engages to prevent passing of light as well as light reflections does not occur.

Probable Assignee: STILA AS

Earliest Publication Date: 20111214

SCREENING DEVICE FOR A WALL OPENING

Abstract: Source: US5671790A A collapsible screening device such as an insect screen for an opening in a wall, particularly for a window or door, comprises a frame structure composed of an elongate base member accommodating a screening in a first retracted position, two side members pivotally connected with opposite ends of the base member, so as to be collapsible from an erected position at substantially right angles from the base member into a collapsed position parallel and close to the base member, and a separate bar member of a length substantially equal to the length of said base member. A free end of each side member and opposite ends of the separate bar member are formed with releasably interlocking assembling means to provide a stable connection in an assembled condition of the frame structure. The screening member and each side members are provided with cooperating guide means for guiding said screening member during movement thereof from the retracted position towards a second extracted position in which it screens the wall opening.

Probable Assignee: VKR HOLDING A S

Earliest Publication Date: 19970731

MULTI-LAYERED FILM WINDOW SYSTEM

Abstract: Source: US2005269041A A high R-rating window assembly storing multiple, reciprocating reflective flexible film layers in a sealed housing between rigid (e.g. glazed) layers. The glazed layers are separated on the order of 3 to 5-inches and are secured to low thermal conductivity framework pieces. The framework is capped with a motorized roller and film housing and the assembly is evacuated and filled with a desiccated, inert dry gas. Several plastic, reflective coated films are supported under tension in planar parallel relation between the glazing layers from the motorized roller and several guide rollers and guide tracks. Location sensors responsive to indicia on the films identify film position. Temperature sensors monitor ambient, internal and user set thermal conditions to control film exposure. The films are operable via a room control system and window controllers to define open, closed and partial exposure conditions. Alternative control functions may control film exposure in relation to room occupancy.

Probable Assignee: ANDERSON DONALD

Earliest Publication Date: 20051208

FABRIC WINDOW COVERING WITH RIGIDIFIED VANES

Abstract: Source: US2003019589A A window covering is described wherein at least one translucent or transparent sheet is suspended vertically and has a plurality of parallel vanes projecting rearwardly therefrom. The vanes are formed from fabric material which has either been rigidified with a rigidifying compound or rigidified by the formation of a pocket into which a rigid slat is inserted. Variations are provided for varying the flexibility of a hinge defined along a juncture line between the vanes and the fabric sheet.

Probable Assignee: HUNTER DOUGLAS INC

Earliest Publication Date: 19950510

FRAMED COVERING FOR ARCHITECTURAL OPENING

Abstract: Source: US2002053409A A framed covering for an architectural opening includes a collapsible shade that is moveable between open and closed positions relative to the architectural opening with the collapsible shade being mounted within an enclosed framework that is adapted to be secured to a structural member having the architectural opening therein. In one embodiment of a flexible control cord system moves the shade between open and closed positions, with the control cord system being conveniently positioned adjacent the frame for easy manipulation. In a second embodiment a finger slide on the frame drives a cord lift system for moving the covering between open and closed positions.

Probable Assignee: HUNTER DOUGLAS INC

Earliest Publication Date: 20010816

SAFETY BLIND FOR WINDOWS AND DOORS

Abstract: Source: US6092581A PCT No. PCT/SE96/00792 Sec. 371 Date Mar. 4, 1998 Sec. 102(e) Date Mar. 4, 1998 PCT Filed Jun. 18, 1996 PCT Pub. No. WO97/01015 PCT Pub. Date Jan. 9, 1997 Safety blinds for installation in an opening in a building such as a door or window includes a closure covering the opening, a plurality of projections along the side edges of the opening and a plurality of corresponding apertures along the side edges of the closure, whereby locking the projections into the openings prevents the closure from opening and also prevents the side edges of the closure from being displaced from the side edges of the opening. In another embodiment, the projections from the closure cooperate with a continuous channel along the edge of the opening whereby the projections can move within the channel for opening and closing the closure and can be locked in position for again preventing the closure from being opened.

Probable Assignee: ANSA PROTECTION AB

Earliest Publication Date: 19961223

SCREENING DEVICE WITH AN ELECTRONIC MOTION SENSOR

Abstract: Source: US2011048655A The screening device comprises a tubular element with an axis of rotation and rotatable in relation to a shaft device. It further comprises a screening body with one end secured to said tubular element and a free opposite end, which on rotation of said tubular element is adapted to move between a first position, in which the screening body is completely rolled up on said tubular element, and a second position, in which the screening body extends over said aperture in order to screen it. A drive unit for driving said tubular element comprises a motor connected to said tubular element and said shaft device such as to provide said rotation of said tubular element in relation to said shaft device. A control unit controls operation of said motor and comprises a printed circuit board with an electronic motion sensor. Said printed circuit board is located in a fixed position in relation to said axis of rotation of said tubular element and/or in relation to said shaft device.

Probable Assignee: VKR HOLDING A S

Earliest Publication Date: 20081211

57) Family number: 60515440 (EP2927413A1)

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VERFAHREN UND SYSTEM ZUR STEUERUNG EINSTELLBARER VORRICHTUNGEN METHOD AND SYSTEM FOR CONTROLLING ADJUSTABLE DEVICES

Abstract: Source: EP2927413A1 A method of controlling a plurality of adjustable devices (10, 20, 30) such as electric blinds, shutters, **curtains**, awnings or windows, is disclosed, wherein at least a first adjustable device (10, 20, 30) of said plurality of adjustable devices is configured to be manually adjusted, and wherein detection means (13, 23, 33) detect a manual setting (POS3) of said at least one manually adjustable device (10, 20, 30), wherein a setting indication (SI) which is based on said detected manual setting is generated and communicated by means of transmission means (14, 24, 34), and wherein one or more further adjustable devices (10, 20, 30) of said plurality of adjustable devices are moved to a position based on said communicated setting indication (SI) by means of drive means (11, 21, 31) configured for adjusting said one or more further adjustable devices (10, 20, 30). Moreover, a system for controlling adjustable devices and an adjustable device such as a blind, shutter, **curtain**, awning or window is disclosed.

Probable Assignee: VKR HOLDING AS

Earliest Publication Date: 20151007

58) Family number: 21765017 (US2450782A)

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BLINDLIKE SHADE

Abstract: Source: US2450782A 1. A blind-like shade for the window of a room, said shade being of transparent material provided With narrow horizontal stripes to simulate the edge faces of **Venetian** blind slats and with Wide vertical stripes thereon near the side margins of the shade to simulate the tapes of a **Venetian** blind; the part of the shade away from the stripes being transparent and therefore practically invisible, the narrow stripes appearing to be the edge faces of blind slats turned horizontally.

Probable Assignee: ANGELO CASCIA

Earliest Publication Date: 19481005

59) Family number: 30113876 (US2002040770A)

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VANE FOR AN ARCHITECTURAL COVERING AND METHOD OF MAKING SAME

Abstract: Source: US2002040770A A vane for an architectural covering, such as of the type used in a window opening, is designed for vertical suspension so as to resist twisting along its length. The vane is constructed in a tubular configuration and may have one or more internal hollow cells. The external configuration of the vane may simulate an air foil or have other related configurations. The vanes are preferably made of a material having diagonal, dimensional stability or memory, i.e. the ability to resist stretching in a direction diagonal to the length or width of the material. A reinforcing strip can be inserted into an open end of the vane to provide a positive and durable attachment for suspending the vane from an operating system.

Probable Assignee: HUNTER DOUGLAS INC

Earliest Publication Date: 19961111

60) Family number: 43766832 (US5287908A)

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WINDOW COVERING ASSEMBLY

Abstract: Source: US5287908A A window covering including first and second sheer fabrics interconnected by a plurality of transversely extending vanes is disclosed. The sheer fabrics are connected to circumferentially spaced apart fixing elements on a wind up roll which is mounted with its longitudinal axis extending generally horizontally to one side of a frame of a skylight. Associated with the wind up roll at each end are cord reels and a control pulley at one end of a respective cord reel. Rotation of the wind up roll is effected by operation of a cord wrapped around the control pulley. Wrapped around the cord reels are tension cords which pass around fixed pulleys and are connected to opposite ends of an end rail having in its interior a tension spring to the end of which are attached the ends of the tension cords. Two parallel tracks extending generally perpendicular to the wind up roll is provided for guiding the end rail.

Probable Assignee: HUNTER DOUGLAS INC

Earliest Publication Date: 19930620

61) Family number: 57350191 (EP2835489B1)

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JALOUSIERBARER ROLLADENPANZER MIT SCHWENKBAREN STÄBEN **ROLLER** SHUTTERS USABLE AS A **VENETIAN** BLIND REINFORCEMENT WITH PIVOTING RODS

Abstract: Source: EP2835489A1 Dargestellt und beschrieben ist ein jalousierbarer Rollladenpanzer mit einem Behang (1) aus einer Mehrzahl horizontal angeordneter und nicht miteinander verhakter Staebe (2), wobei die Staebe (2) an ihren Enden stirnseitig angeordnete Fuehrungselemente (4) aufweisen und mit diesen ueber eine Schwenkachse (3) im unteren Bereich der Staebe (2) verbunden sind, wobei die Fuehrungselemente (4) in vertikalen Fuehrungsprofilen (5) gefuehrt sind und Betaetigungselemente aufweisen, welche eine Schwenkbewegung der einzelnen Staebe (2) erlauben. Um den zuvor beschriebenen jalousierbaren Rollladen so auszugestalten und weiterzubilden, um mit geringem Aufwand und ohne uebertechnisierung ein optimiertes Aufschwenken zu erreichen und so einen jalousierbaren und "Licht lenkenden" Rollladen zu schaffen, ist vorgesehen, dass als Betaetigungselemente Magnete (M1, M2) vorgesehen sind, welche von ausserhalb des Rollladenpanzers angeordneten weiteren Magneten (M3, M4) durch geeignetes Anziehen und/oder Abstossen zum oeffnen und ggf. Schliessen der Staebe (2) bewegbar sind. Is illustrated and described a jalousie-type **roller** shutter having a **curtain** (1) of a plurality of horizontally disposed and mutually entangled rods (2), said rods (2) at their ends arranged at the end Fuehrungselemente (4) and with this are connected via a pivot axis (3) in the lower region of the bars (2), wherein the Fuehrungselemente (4) are guided in vertical Fuehrungsprofilen (5) and having Betaetigungselemente which permit a pivoting movement of the individual rods (2). To design the jalousierbaren blinds described above so and further to achieve with little effort and without by mechanization optimized swinging and thus create a jalousierbaren and "light-directing" blinds, it is provided that are provided as Betaetigungselemente magnets (M1, M2) which from the outside of the **roller** shutter arranged further magnet (M3, M4) by proper tightening and / or pushing off for opening and closing the Staebe (2) shall be followed movable.

Probable Assignee: HEROAL JOHANN HENKENJOHANN GMBH AND CO KG

Earliest Publication Date: 20140918

62) Family number: 42744709 (EP2017429A3)

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SONNENSCHUTZANLAGE MIT NOTRAFFEINRICHTUNG SUN PROTECTION FACILITY WITH EMERGENCY GATHERING FACILITY

Abstract: Source: EP2017429A3 P ID PA01 NUM 0001 EINE SONNENSCHUTZANLAGE UMFASST EINE NOTRAFFEINRICHTUNG 5 MIT EINEM AUSFAHRBAREN BEHANG 3 DER UEBER EINE ANTRIEBSEINRICHTUNG BEWEGBAR IST WOBEI DIE NOTRAFFEINRICHTUNG 5 ZUGMITTEL 1 6 AUFWEIST MITTELS DENEN DER BEHANG 3 VON EINER HERABGELASSENEN POSITION HOCHZIEHBAR IST DABEI SIND DIE ZUGMITTEL 1 6 DER NOTRAFFEINRICHTUNG 5 MIT MINDESTENS EINEM DAEMPFUNGSSELEMENT 9 13 GEKOPPELT DIE DIE BEWEGUNG DES BEHANGES 3 ZUMINDEST VOR ERREICHEN DER HOCHGEZOGENEN ENDPOSITION DES BEHANGES 3 DAEMPEN DADURCH WIRD VERMIEDEN DASS DIE MATERIALBEANSPRUCHUNG DURCH EIN PLOETZLICHES ANSCHLAGEN DES BEHANGES 3 BEIM AUSLOESEN DER NOTRAFFEINRICHTUNG SEHR GROSS IST IMG ID IAF01 FILE IMGAF001TIF WI 78 HE 110 IMG CONTENT DRAWING IMG FORMAT TIF The tractive cords (1) of the emergency raising device (5) are coupled to mechanical damping components. These damp movement of the blind (3) before it reaches its fully-raised position. They are effective ahead of the end position, but only in the end regions, where the last 5 percent -50 percent of travel takes place. The damping components are fluid dampers, i.e. they are air- or oil dampers. The dampers include stops made from elastic material.

Probable Assignee: WAREMA RENKHOFF SE

Earliest Publication Date: 20081204

63) Family number: 31159904 (US3294152A)

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WINDOW SCREENS

Abstract: Source: GB999077A 999,077. Automatic control of illumination A.W. KUIJVENHOVEN. March 25,1964 [April 3, 1963], No.13249/63. Heading G3R. The natural illumination within a room is controlled by positioning a vacuum-metallised textile **roller curtain** by a motor responsive to the output of a photo-cell within the room. As shown, a photo-cell 9 having resistance R1, is connected in a Wheatstone bridge R1-R adjusted to a balance at the desired level of natural light. Unbalance causes a transistor TS1, TS2 to become conductive to cause a relay RL1, RL2 to operate and energize a motor M to rotate a **curtain roller** and raise or lower a **curtain** until the desired light level is restored. The motor is manually controlled by a switch 11. Limit switches 14, 15 are incorporated in a gear box 8. The photo-cell may be provided with a reflecting prism mounted as a rotatable cover.

Probable Assignee: KUIJVENHOVEN AREND WILLEM

Earliest Publication Date: 19640616

64) Family number: 21239564 (US1987657A)

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COMBINATION WINDOW SHADE AND BLIND

Abstract: Source: US1987657A 1. The combination with a window shade, of a blind comprising a plurality oi' slats suspended from the lower end of said shade, and adjustable vertically therewith.

Probable Assignee: COLUMBIA MILLS INC

Earliest Publication Date: 19350115

65) Family number: 12961716 (EP1013873A2)

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SAFETY DEVICE AGAINST LIGHT AND/OR WEATHER AND/OR BURGLARY

Abstract: The device (13) comprises a **curtain**, **roller** blind, drop blind, push blind or awning and protects against light and/or the effect of weather and/or break-in. It incorporates at least one elongated sensor component (31), with which monitoring devices (35) are connected, in order to report an interruption of the sensor component. Each sensor component has an electrical conductor or a light conductor or a free hollow space. The monitoring devices are so formed that with an interruption of the sensor component they produce at least one alarm signal.

Probable Assignee: NYFFENEGGER STORENFABRIK AG

Earliest Publication Date: 20000628

66) Family number: 28139928 (US2001054490A)

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ARCHITECTURAL COVERING FOR WINDOWS

Abstract: Source: US2001054490A An architectural covering, such as a blind, for use primarily over windows and doorways, includes of a plurality of separate composite vanes made of an opaque rigid material and a sheer material, if desired. Each composite vane can be manufactured as a flat, rollable laminated assembly of strips and joined or bonded at least substantially on a line along the length of the strip and substantially along one edge of one strip. Several different embodiments of the composite vane are disclosed. In one embodiment, the composite vane comprises a generally flat, unexpanded opaque material with individual pieces of sheer material attached to an edge of the vane. In another embodiment, a laminated composite vane comprises a pair of strips with the transverse width of one strip greater than the other strip to form a torque tube when edge-joining the strips. In yet another embodiment, the laminated composite vane includes a pair of strips of substantially equal width with a resilient insert strip having a non-flat cross section inserted into the torque tube. The resilient insert strip can assume a flat transverse form, but return elastically to the predetermined cross-sectional shape when removed from the roll or be inserted after each vane is cut to its final length. Any combination of the above-mentioned embodiments is possible to connect single or double sheets of sheer material to the edges of the vanes while enabling the vanes to be oriented vertically or horizontally.

Probable Assignee: COMFORTEX CORP

Earliest Publication Date: 20011013

67) Family number: 56019218 (US2014076115A)

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METHOD AND APPARATUS FOR CUTTING ONE OR MORE GROOVES IN A CYLINDRICAL ELEMENT

Abstract: Source: US2014076115A Embodiments of the subject invention relate to a method and apparatus for cutting one or more grooves in a cylindrical element. In specific embodiments, the one or more grooves are cut into an outer surface of the cylindrical element. The cylindrical element can be solid, or can have one or more hollow portions. In a specific embodiment, the cylindrical element is a hollow tube. Embodiments also pertain to a cylindrical element having one or more grooves cut in an outer surface of the cylindrical element. Further specific embodiments are directed to cylindrical elements having one or more grooves that can be utilized as a drapery or **curtain** tube, where the one or more grooves, in combination with rotation of the cylindrical element, can be used for moving the drapery to one or more positions along the tube, such as from an open position for the drapery or **curtain** to a closed position for the drapery or **curtain**, by engaging an interconnecting element between the drapery or **curtain** and the one or more grooves while rotating the tube.

Probable Assignee: CURRENT PRODUCTS CORP

Earliest Publication Date: 20140320

68) Family number: 2151069 (DE2429601A1)

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BELUEFTUNGSEINRICHTUNG FUER RAEUME ROOM VENTILATION SYSTEM INCORPORATES WITHDRAWABLE **VENETIAN** TYPE BLINDS - HAS TANGENTIAL FAN MOUNTED TO CIRCULATE AIR THROUGH THE BLIND ROLL-UP CHAMBER

Abstract: Source: DE2429601A1 Patentansprueche Belueftungseinrichtung mit einem Ventilator fuer Raeume, insbesondere Wohnraeume oder Schlafräume, mit mindestens einem durch eine äussere, in einen Rolladenkasten einziehbare Rollade abdeckbaren Fenster, dadurch gekennzeichnet, dass der Ventilator (11,12) in oder an einer Oeffnung (9) in der den Rolladenkasten (2,3,4,5) zum Raum hin abdeckenden Wand (3) angeordnet ist 2) Belueftungseinrichtung nach Anspruch 1, dadurch gekennzeichnet, dass der Ventilator (11,12) an einer Abdeckplatte (10) befestigt ist, die zur Abdeckung einer Oeffnung (9) in der Wand (3) des Rolladen kastens (2,3,4,5) vorgesehen ist 3) Belueftungseinrichtung nach Anspruch 1 oder 2, dadurch gekennzeichnet, dass der Ventilator mit einem Foerderleistungsregler versehen ist 4) Belueftungseinrichtung nach Anspruch 3, dadurch gekennzeichnet, dass der Foerderleistungsregler ein Regler fuer die Leistung des Elektromotors, des Ventilators, vorzugsweise ein Impulsregler oder ein veraenderbarer Widerstand, ist 5) Belueftungseinrichtung nach Anspruch 1, dadurch gekennzeichnet, dass der Ventilator vom Rolladenkasten in den Raum foerdert 6) Belueftungseinrichtung nach Anspruch 1, dadurch gekennzeichnet, dass der Ventilator vom Raum in den Rolladenkasten foerdert 7) Belueftungseinrichtung nach den Anspruechen 5 und 6, dadurch gekennzeichnet, dass die Foedereinrichtung des Ventilators umkehrbar ist 8) Belueftungseinrichtung nach Anspruch 1, dadurch gekennzeichnet, dass der Ventilator ein Tangentialgebläse ist 9) Belueftungseinrichtung nach Anspruch 1, dadurch gekennzeichnet, dass in den Weg des den Ventilator durchstroemenden Luftstromes ein Filter angeordnet ist 10) Belueftungseinrichtung nach Anspruch 1, dadurch gekennzeichnet, dass in dem Weg: des den Ventilator durchstroemenden Luftstromes eine willkuerlich betätigbare Absperrklappe angeordnet ist 11) Anordnung eines Ventilators zur Belueftung eines Raumes am Rol ladenkasten, vorzugsweise an der diese gegen den Raum abgrenzenden Wand 12) Ventilator fuer eine Raumbelueftungseinrichtung, gekennzeichnet durch eine Gestaltung des Gehaeuses oder einer mit dem Gehaeuse verbun denen Platte oder eines mit dem Gehaeuse verbundenen plattenartigen Fortsatzes desselben der Art, dass das Gehaeuse oder die Platte zur Abdeckung einer Oeffnung an dem Rolladenkasten vorgesehen ist. A ventilation system for rooms partic. living or bedrooms with windows which may be covered by a withdrawable **venetian**-type blind, has the ventilator mounted on or at an opening of the blind roll up chamber back wall. The ventilator is of tangential fan type with an inbuilt filter and a cut off flap to prevent air through flow. The ventilator is itself mounted on a support plate which is used to partially close the hole in the roll up chamber back wall. The controller for the ventilator is of the impulse or variable resistance type and operates on the fan electrical drive motor which is itself reversible.

Probable Assignee: BAERSCHNEIDER LUDWIG

Earliest Publication Date: 19760108

69) Family number: 28468875 (US2003070363A)

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SELECTIVELY POSITIONABLE WINDOW COVERING ARRANGEMENT

Abstract: Source: US2003070363A This invention relates to a covering arrangement for selectively covering and uncovering first and second closure members of an opening such as defined by a window, doorway and the like; in particular, the invention is related to a selectively positionable covering arrangement comprising at least first and second cover members that are relatively laterally slidable between a first position wherein the cover members are coplanar with one another and in juxtaposed covering relation with a respective of the closure members and a second position wherein the cover members are in parallel juxtaposed relation with one another and with one of the cover members whereby to uncover the other of the cover members.

Probable Assignee: GLIDER BLINDS LLC

Earliest Publication Date: 20030417

70) Family number: 29954615 (US2005225269A)

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TUBULAR MOTOR

Abstract: Source: US2005225269A A tubular motor including a driving system and a winch mechanism enclosed within a common tubular housing, the driving system including a DC motor and a unitary power supply, the unitary power supply being electrically connectable to an AC electricity source external to the housing and to the DC motor within the housing, and being adapted to convert AC electricity supplied by the AC electricity source into low voltage direct current electricity suitable for the DC motor, by transformation and rectification. The winch mechanism is coupled to and driven by the DC motor.

Probable Assignee: GIROMATICS ADVANCED TECHNOLOGIES LTD

Earliest Publication Date: 20020620

71) Family number: 15248915 (EP0913518B1)

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UV- FILTERING TEXTILE SUPPORT, PROCESS FOR ITS MANUFACTURE AND ITS USES

Abstract: Textile comprising knitted, woven or non-woven fabric, which is obtained from natural, synthetic or artificial fibers has, on at least one of its faces, a coating consisting of one or more protective layers, with virtually zero porosity, and a mass varying between 10 and 70gm<-2>; the coating containing one or more components for filtering UV radiation. Independent claims are also included for method of preparing the textile; and use of the textile for protecting furniture and objects d'art against UV radiation, particularly in form of **curtain**.

Probable Assignee: DHJ INTERNATIONAL

Earliest Publication Date: 19990506

72) Family number: 48937796 (EP2492432B1)

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ROLLADEN- ODER RAFFSTOREBEHANGSKASTEN SOWIE WAERMEDAEMMEINSATZ HIERFUEER ROLLER BLIND OR CURTAIN BLIND BOX AND THERMAL INSULATION INSERT FOR SAME

Abstract: Source: EP2492432A3 Die vorliegende Erfindung betrifft einen Rollladen- oder Raffstorebehangskasten mit einem ersten Aufnahmeaum zur Aufnahme eines Rollladens oder Raffstorebehangs. Um einen Rollladen- oder Raffstorebehangskasten der eingangs genannten Art bereitzustellen, der auch im Winter auf optisch ansprechende Art einen Blendschutz ermöglicht, ohne das Erwaermen des Raumes durch einfallendes Sonnenlicht einzuschraenken, wird erfindungsgemaess vorgeschlagen, dass ein zweiter Aufnahmeaum zur Aufnahme eines Rollos vorgesehen ist.

Probable Assignee: BECK BERND

Earliest Publication Date: 20110505

73) Family number: 30184167 (US2006113944A)

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SCREENING DEVICE WITH MOTOR DRIVE AND USE HEREOF

Abstract: Source: US2006113944A Screening device for screening opening in building, window, door or the like, said screening device comprising a screening element (11) which in an inactive position is rolled up, folded together, gathered together or the like at a first position. The screening element is connected at a free end to a movable part such as a bottom bar (10). This bottom bar can be moved in relation to said first position by means of one or more endless driving cords or the like which extend in one or more closed circuits and which can be driven by means of at least one driving motor. The movable part (10) is mechanically connected to said at least one driving cord by means of friction-producing means which are of such a kind that the friction can be overcome by a manual operation.

Probable Assignee: VKR HOLDING A S

Earliest Publication Date: 20031224

74) Family number: 17079542 (EP0626499A2)

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DOUBLE WINDOW UNIT.

Abstract: The invention relates to a double window unit having an inner window frame with inner sash frame and glazing and having an outer window frame with outer sash frame and glazing, the window frames being connected to one another via an intermediate profile and there being formed, between the outer and inner sash frames, an intermediate space in which a **roller** blind or **venetian** blind is arranged, said **roller** blind or **venetian** blind being arranged such that it can move with the sash frames, and said sash frames being kept at a defined distance from one another, in the region of the lateral members and lower crossmember, by an angular profile. The double window unit may be designed as a laminated window unit with jointly operable sash frames or else with individually operable sash frames.

Probable Assignee: KBE KUNSTSTOFFPROD GMBH

Earliest Publication Date: 19930826

75) Family number: 3385451 (DE3241467A1)

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DEVICE FOR OPERATING MOVABLE CURTAINS (JAMMING-FREE MOVEMENT)

Abstract: Source: DE3241467A1 Device for operating movable **curtains** composed of **curtain** elements which are suspended movably between a closed and an open **curtain** position and, by means of hangers, on a supporting rail, in which device the hangers, guided movably, are connected to one another by means of spacers and can be coupled by means of couplings to an operating member which is likewise mounted in the supporting rail and which passes through the hangers. In each hanger there is a releasable drive coupling connecting this hanger to the operating member, releasable holding couplings being arranged between in each case two adjacent hangers, the coupling members of which engage in one another in the holding position, so that the **curtain** elements can be moved out of their spread-out **curtain** position in a jamming-free manner into lateral stowed positions and out of these back into the spread-out **curtain** position. Special bolts serve for fixing the stowed positions, thus ensuring that the hangers can be moved out of their stowed position only in succession.

Probable Assignee: SUNTECA SONNENSCHUTZ

Earliest Publication Date: 19840510

76) Family number: 1511228 (US3886851A)

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AIR **CURTAIN** DEVICE

Abstract: Source: US3886851A Air **curtain** device and process in which laterally spaced-apart parallel sliding sections of a closure formed of separable or pivotally connected vertically mounted panels form a flexible air duct between inner and outer sections connected to a nozzle supported at a bottom outlet between the sections to provide an air screen of homogeneity and resistance to lateral air currents in various open, partially open and closed door positions, by air passed into the top between the sections, from a plenum passing air received from a fixed blower mounted above or near the top of the door within a space enclosed by the walls of the opening. 36 Claims, 16 Drawing Figures

Probable Assignee: BERNER ERLING US

Earliest Publication Date: 19730731

77) Family number: 3013755 (US5107916A)

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HEAT RESPONSIVE MEMORY METAL ACTUATOR

Abstract: Source: US5107916A An actuator which includes a memory metal element, a substantially constant force counteracting spring, and an actuated element. The memory metal transforms from a martensite structure to an austenite structure at a known temperature. The martensite structure is more easily deformed than the austenite structure. The force applied by the counteracting spring is sufficient to deform the martensite structure throughout the transformation temperature range but insufficient to deform the austenite structure such that at least a portion of the memory metal element undergoes a predetermined stroke in response to the transformation of the memory metal element between the martensite and austenite states. The actuated element is connected to the memory metal element to move therewith.

Probable Assignee: I P S BV

Earliest Publication Date: 19911211

78) Family number: 38528644 (US2009178772A)

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BRACKET MEMBER AND A COUPLING MEMBER FOR SUPPORTING A SCREENING DEVICE IN A WINDOW OR DOOR FRAME, A WINDOW OR DOOR AND A SCREENING DEVICE

Abstract: Source: US2009178772A A bracket member (9) of a supporting means for supporting a screening device in a frame structure, which has at least one pair of opposed frame pieces (5, 6), said supporting means comprising a pair of bracket members (9, 9') provided for mounting on a respective frame piece (5, 6) of said pair of opposed frame pieces and a pair of coupling members (30) positioned at either of two opposing ends of the screening device. The bracket member (9) comprises a base (10) for abutment on the frame piece (5), a main face (11) opposite the base (10) and at least one bracket member engagement side (12) for engaging a coupling member of the screening device. A part of the main face (11) is provided by a releasable cover member (15), below which an electrical contact point is provided. The coupling member comprises a recess having at least one coupling member engagement side for engaging a bracket member (9) and an electrical terminal in the recess.

Probable Assignee: VKR HOLDING A S

Earliest Publication Date: 20071004

79) Family number: 50471407 (US2012008301A)

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BRACKET MEMBER AND A COUPLING MEMBER FOR SUPPORTING A SCREENING DEVICE IN A WINDOW OR DOOR FRAME, A WINDOW OR DOOR AND A SCREENING DEVICE

Abstract: Source: US2012008301A A screening device for mounting in a frame structure, which has at least one pair of opposed frame pieces, has two opposite ends and carries at each end a coupling member for supporting the screening device in the frame structure, wherein at least one of said coupling members has a recess having at least one coupling member engagement side for engaging a bracket member in a frame structure and an electrical terminal in the recess. The electrical terminal is resilient and movable in directions towards and away from a body part of the screening device, and the resilience of the electrical terminal is configured so that retaining of the coupling member on the bracket member may, at least in part, be fulfilled by the resilience of the resilient electrical terminal.

Probable Assignee: VKR HOLDING AS

Earliest Publication Date: 20120112

80) Family number: 60543044 (US2015286938A)

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SELECTING A WINDOW TREATMENT FABRIC

Abstract: Source: US2015286938A A fabric selection tool provides an automated procedure for recommending and/or selecting a fabric for a window treatment to be installed in a building. The recommendation may be made to optimize the performance of the window treatment in which the fabric may be installed. The recommended fabric may be selected based on performance metrics associated with each fabric in an environment. The fabrics may be ranked based upon the performance metrics of one or more of the fabrics. One or more of the fabrics, and/or their corresponding ranks, may be displayed to a user for selection. The recommended fabrics may be determined based on combinations of fabrics that provide performance metrics for various facades of the building. Using the ranking system provided by the fabric selection tool, the user may obtain a fabric sample and/or order one or more of the recommended fabrics.

Probable Assignee: LUTRON ELECTRONICS CO

Earliest Publication Date: 20151008

81) Family number: 9612580 (EP0623732A2)

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SAFETY DEVICE FOR **VENETIAN** BLINDS OR **ROLLER** BLINDS.

Abstract: The object of the invention is to secure a **roller** or **Venetian** blind against unauthorised pushing-up from outside a building and to prevent the screen from falling downwards, as a result of its deadweight, after lowering has been hindered by an obstruction, to be precise this is to be achieved without additional manipulation. For securing purposes, in the case of a screen comprising parallel profile bars (3) which are interhung by means of carrying members and are guided in rails (21) located laterally on the window or door frame, use is made of a clamping device by means of which at least the lowermost profile of the screen can be fixedly clamped on the sides. Said clamping device is, by means of an articulation pin (14), rotatably suspended on the two carrying members (15), assigned to the profile bar (3) to be secured, in an elongate lug (4) in each case. The lug (4) is provided with a slot (7) into which a pin (6) of a locking lever (8) engages. The locking lever (8) bears, at a distance from the pin (6), on two opposite surfaces of a rail (21) by means of two braking jaws (9). Likewise provided for securing the blind against falling is a securing bar (31) which also has braking jaws (32, 33) made for sliding on the rails (21). A support (37) from the guide carriage (2) serves for horizontally positioning the securing bar (31) when the screen is drawn up, a band fastener (40) having a stop surface, with which the securing bar is raised.

Probable Assignee: KINDT AG

Earliest Publication Date: 19941109

82) Family number: 40920692 (US2009199977A)

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COVERING AND COMPONENT PARTS THEREOF

Abstract: Source: US2009199977A An architectural covering arrangement having two side rails for mounting in parallel either side of a window pane and at least one movable end rail for mounting perpendicular to the side rails and extending from one side rail to the other side rail, the side rails having on respective faces to be mounted on a window pane, a two-layer fastening structure with one of the layers adhered to the respective side rail and the other of the two layers to be adhered to the window pane, the two layers being freely attachable and detachable from one another.

Probable Assignee: HUNTER DOUGLAS IND BV

Earliest Publication Date: 20071213

83) Family number: 63713703 (EP3095352A1)

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BEFESTIGUNGSANORDNUNG ZUM VERBINDEN EINES BAUTEILES FASTENING ASSEMBLY FOR CONNECTING A COMPONENT

Abstract: Source: EP3095352A1 Befestigungsanordnung (1) zum Verbinden eines Bauteiles, insbesondere wenigstens einer Fuehrungsvorrichtung (30) an wenigstens einem Moebelkorpus (100), umfassend wenigstens eine Basis (2), dadurch gekennzeichnet, dass die Basis (2) wenigstens eine, von ihr wegragende angeordnete, Fixiervorrichtung (4, 5, 6), sowie wenigstens eine Befestigungsvorrichtung (3) aufweist, wobei die Befestigungsvorrichtung (3) wenigstens eine, wenigstens eine oeffnung (8) aufweisende, Befestigungsaufnahme (32) aufweist; sowie einen Schrankmoebel (10) mit wenigstens einer Befestigungsanordnung (1). Fastening arrangement (1) to connect a component, in particular at least a guiding device (30) on at least a furniture cabinet (100), to at least a base (2), characterized that the base (2) at least one of her (3) has way excellent arranged, fixing device (4, 5, 6), as well as at least a fastening device where the mounting device (3) at least one, referring to attachment socket (32) has at least an opening (8); as well as a cabinet furniture (10) with at least a fastening arrangement (1).

Probable Assignee: REHAU AND CO AG

Earliest Publication Date: 20161006

84) Family number: 3717003 (DE3408396A1)

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SELF-SUFFICIENT SUN PROTECTION SYSTEM

Abstract: Source: DE3408396A1 A system for temporary protection against the sun as well as against glare and to promote visibility consists of a **venetian** blind, lightweight **venetian** blind, slatted blind or the like which is driven by electric motor. The power supply for the drive is provided via solar cells which are arranged in the region of the protective device, preferably on the housing thereof. The solar cells serve simultaneously as light-sensitive sensors in order to control the opening and closing of the protective device. There is no need for the device to be connected to the electricity grid.

Probable Assignee: BATTELLE INST E V

Earliest Publication Date: 19850919

85) Family number: 65836293 (WO17089863A1)

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MOUNTING DEVICE FOR A **ROLLER** BLIND OR THE LIKE

Abstract: The mounting device (1) includes a longitudinal frame (3) for mounting by a longitudinal mounting bracket (4). The longitudinal mounting bracket has an at least substantially L-formed cross-section (5) including a first and second flange (6, 7). The longitudinal frame has a ridge (12) or groove adapted to engage with a ridge or groove (13, 14) at free ends (8, 9) of the respective flanges. The longitudinal mounting bracket is thereby adapted to be mounted on the longitudinal frame in a first position with the first flange mounted on a horizontal mounting surface (15) or in a second position with the first flange mounted on a vertical mounting surface (16). The longitudinal frame has a snap- lock connector part (17) locking releasably with one of corresponding snap-lock connector parts (18, 19) arranged on the first and second flanges between the free ends and fixed ends (10, 11) of the respective flanges.

Probable Assignee: KVADRAT AS

Earliest Publication Date: 20170601

86) Family number: 15313225 (US2003192651A)

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COVERING FOR A SIMULATED DIVIDED LIGHT ARCHITECTURAL OPENING AND SYSTEMS FOR MOUNTING SAME

Abstract: Source: US2003192651A Various embodiments of an architectural covering insert primarily adapted for use in simulated divided light openings is disclosed. The insert includes an outer framework with horizontal and vertical dividers, a plurality of horizontally or vertically disposed shade components associated with one or more dividers and control means for moving the shade components between extended and retracted positions across simulated openings defined by the vertical and horizontal dividers. The shade components can be of the **roller** shade type or collapsible cellular type with the net result being that, from a visual standpoint, there are shade components associated with each individual simulated opening defined by the horizontal and vertical dividers, as opposed to a single shade that covers the entire architectural opening.

Probable Assignee: HUNTER DOUGLAS INC

Earliest Publication Date: 20010426

87) Family number: 3625843 (EP0141184A2)

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SLAT FOR A **ROLLER** BLIND.

Abstract: The slat, having a cross-section forming a plurality of hollow chambers, comprises an outer wall formed from a metal profile part (1) and an inner wall (4) formed from a plastic profile part (2), which wall (4) is connected to the outer wall via sliding guides which are oriented in the longitudinal axis of the slat and consist of head parts (13), which are in particular T-shaped in cross-section, of supporting strips (12) which are constructed in one piece with the outer wall, and undercut, formed holding channels (16), which are arranged on the inner wall (4) and in which guide grooves (14) provided for the supporting strips (12) terminate, the grooves being formed between chamber webs (15) which, together with partition wall sections (3), provided at a distance from the outer wall and from the inner wall (4), and with the inner wall (4), form cross-sectionally closed hollow chambers of the plastic profile part (2).

Probable Assignee: BRAUN GEORG

Earliest Publication Date: 19850411

88) Family number: 31969922 (US2007131359A)

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SCREENING DEVICE WITH A MOVABLE SCREEN AND AN AUTOMATING SYSTEM

Abstract: Source: US2007131359A A screening device with a movable screen and an automating system (1) for mobile screens is disclosed comprising at least one mobile screen (2), guiding means for the movement of the mobile screen (2), compressing means for a fluid, channelling and controlling means for such fluid, internal magnetic elements connected to the mobile screen (2) and external magnetic elements (3) cooperating with the internal magnetic elements.

Probable Assignee: GIANUS SPA

Earliest Publication Date: 20040226

89) Family number: 21176119 (US2301485A)

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VENETIAN BLIND

Abstract: Source: US2301485A 1. A **Venetian** blind lifting device, including a drum, a handle for manually turning said drum, and an automatic brake for resisting rotation of said drum in one direction of rotation of said drum. more than in the other direction.

Probable Assignee: BROOKS WALKER

Earliest Publication Date: 19421110

90) Family number: 6991348 (US4115953A)

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SELF SEALING HEAT INSULATING SHUTTER SYSTEM

Abstract: Source: US4115953A The system includes a plurality of movable heat insulating shutter sections forming a barrier to produce a "dead air gap" adjacent the interior of a window and increasing the heat insulation capacity of the windows. The sections are suspended by wheels, **rollers** or gliding fittings from guide tracks situated above the shutters and are movable therealong between opened and closed positions. The sections are provided with vertical and horizontal friction or pressure seals which, when the sections are in the closed position, seal the sections together and to the window embracement. The tracks and the suspending fittings are formed such that the sections can be pendulum-like pivoted away from the window in order to disengage the pressure of the seals and thus facilitate movement of the sections between the open and closed positions without friction at these seals. In one embodiment, portions of the guide tracks can be pivoted in their own horizontal plane together with a suspended shutter section to accommodate recessed windows or windows situated in or near wall corners.

Probable Assignee: TEKRAM ASSOCIATES

Earliest Publication Date: 19780926

91) Family number: 42269678 (US2008245486A)

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MOUNTING SYSTEM FOR WINDOW TREATMENT

Abstract: Source: US2008245486A An adjustable mounting system for use with a variety of window treatments comprises a head rail, an adjustable support rod, and one or more clips for coupling the support rod to the head rail. The mounting system is preferably non-invasive and does not damage window casings. The mounting system may be installed very quickly and easily, without the need for any tools. The head rail is adapted for use with a wide variety of window treatment assemblies.

Probable Assignee: BROWN GARRICK

Earliest Publication Date: 20081009

92) Family number: 49900816 (US2011272106A)

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ANTI-REVERSIBLE POWER SPRING APPARATUS AND METHOD

Abstract: Source: US2011272106A In a shade system with a bracket supporting a shade storage roll, an anti-reversible power spring apparatus includes at least one biasing system connected with the storage roll wherein the biasing system includes a biasing member with a first end and a second end wherein the first end moves with the storage roll as the storage roll rotates and wherein the second end is held stationary with reference to the storage roll when the storage roll rotates in one direction but not when the storage roll rotates in a second direction. A support for the at least one biasing system is provided wherein the support includes a protrusion that holds the second end against movement when the storage roll is rotated in the one direction but which allows passage of the second end past the protrusion when the storage roll is rotated in the second direction.

Probable Assignee: WATT STOPPER INC

Earliest Publication Date: 20111110

93) Family number: 57592764 (US2016143470A)

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MOTORIZED DRAPERY APPARATUS, SYSTEM AND METHOD OF USE

Abstract: Source: US2016143470A An architectural covering is presented having a rotatable drive element having a guide structure and a plurality of idler attachment elements and a drive element positioned over the rotatable drive element. The rotatable drive element is connected to a wall, ceiling or other structure by brackets. In one arrangement a drive shaft having at least one bearing is then attached to the brackets such that the rotatable drive elements rotate upon the bearings. This arrangement provides an efficient, simple and convenient manner of attaching a rotatable drive element to brackets for mounting.

Probable Assignee: QMOTION INC

Earliest Publication Date: 20141016

94) Family number: 22459252 (US2579788A)

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COMBINATION BRACKET

Abstract: Source: US2579788A (Claim 1) 1. Combination brackets adapted to be secured 1 to a window frame in spaced-apart relation, each bracket being formed with a flat side wall having a centrally disposed, indented and perforated section adapted to releasably support one end of a conventional shade, **roller** thereon, angularly disposed flanges on the top, front and rear edges of the flat side wall, a relatively short flange on the bottom edge of the plate, the front end section of the top and bottom flanges being bent to overlie the front flanges and spaced therefrom, and a fascia strip spanning said brackets and releasably secured between the overlying sections of the top and bottom flanges for concealing the shade **roller** from view.

Probable Assignee: COLUMBIA MILLS INC

Earliest Publication Date: 19511225

95) Family number: 43220307 (US2010262293A)

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METHOD, SYSTEM AND DEVICE FOR CONTROLLING A DEVICE RELATED TO A BUILDING APERTURE

Abstract: Source: US2010262293A A method of controlling a controllable device related to a building aperture, whereby a climate related characteristic for the aperture is adjusted by the device, and whereby the device is controlled in accordance with a climate and comfort program which is dependent on a control parameter, whereby the device is controlled in accordance with a time schedule provided by the climate and comfort program.

Probable Assignee: VKR HOLDING A S

Earliest Publication Date: 20090507

96) Family number: 34894143 (WO07081519A2)

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GENIUS ADAPTIVE DESIGN

Abstract: Explore interesting inventions inside, conceived by our genius idea generator. Discover history's most effective method in conceiving novel uses for existing electronic technology. License huge domains of intellectual property from the invention directory our system helped develop. The searcher can find one of our interesting inventions in this patent application via our LicenseItToday.com, etc. Call our California Headquarters 1-707-428-5000. View invention ideas, plus 100+ variations adapted for end user target markets. LicenseItToday.com fills out exclusive international license agreements valid up to December 2026. It saves time and money creative LP. over any other documented creative thinking process. Licensees seek outputted patents using our or their pat attorneys. Royalties can start when profits begin. Or you can buy the affordable I.P. rights. Proof is in trying it out. Discover amazing inventions inside today.

Probable Assignee: INNOVATION INST LLC

Earliest Publication Date: 20070719

97) Family number: 34672055 (ES1054781Y)

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CERRAMIENTO MULTIPLE PARA HUECOS DE VENTANAS Y BALCONES

Abstract: Source: ES1054781U 1. Cerramiento multiple para huecos de ventanas y balcones, de los constituidos a partir de un conjunto de persiana veneciana con laminas apilables, guiadas mediante unas guias laterales y pivotes en las laminas, caracterizado por estar constituido a partir de un perfil (1) tapajuntas o embellecedor que tapa la junta existente entre el premarco o la pared y la carpinteria (2) de aluminio, PVC, etc., un perfil base (3) fabricado en aluminio extruido y hueco, asi como una guia de mosquitera (5) o cortina enrollable, una guia (6) de persiana apilable- graduable y una placa base (7) constitutiva de un perfil de union entre las guias y el perfil base (3). 1. Enclosure for multiple window openings and balconies, of those constituted from a set of **venetian** blind with stackable sheet, guided by lateral guides and pivots at the sheets, characterized by being formed from a profile (1) Flashing or trim that cover the existing seal between the sub-frame or the wall and the flooring (2) aluminum, PVC, etc., a base profile (3) made of extruded aluminum and hollow, as well as a screen (5) or a guide (6) rollable **curtain**, stackable shutter and a base plate (7) adjustable- constituting a connecting profile between the guides and the base profile (3).

Probable Assignee: BRIC FUSTA S L

98) Family number: 10395306 (DE4123686A1)

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CURTAIN OPENING AND SHUTTING MECHANISM - HAS SPROCKET WORKING WITH FIRST COUPLING HALF WHOSE STUB-SHAFT PASSES THROUGH SECOND HALF

Abstract: Source: DE4123686A1 The mechanism opens and shuts **curtains** of the **roller** type in particular, **Venetian** blinds etc., having a manually- or motor-driven sprocket with coupling to the **curtain** shaft containing a brake. The sprocket (12) works with a first coupling half (11), on which is a stub-shaft (17) passing through a central bore in the second half (14). A braking member (13) in a chamber (19) inside the first half is moved by a control lug (25) in the second half, the sprocket, or the weight of the **curtain** into the locking or opening position. USE/ADVANTAGE - Low cost **curtain** opening and shutting mechanism is easy to instal, and reliable in operation.

Probable Assignee: ADO GARDINENWERKE GMBH AND CO**Earliest Publication Date:** 19930121**99) Family number: 8947201** (WO9302380A1)

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AUTOMATIC LIGHT VALVES

Abstract: A structure consisting of two cover layers (10) sandwiching a polymer (11) and solvent layer (12) is useful for making automatic light valves. Mechanical and optical properties are improved by a novel continuous network of bonds which transmit stresses from one cover layer (10), to and among the polymer chains (11), and then to the second cover layer (10). The laboratory and factory preparation methods necessitated by this layered and bonded structure are described. These automatic light valves may be used for making optical displays, processing information, and building apertures.

Probable Assignee: CHAHROUDI DAY**Earliest Publication Date:** 19930204