

Title (en)
Sliding and locking device

Title (de)
Schiebe- und Verriegelungsvorrichtung

Title (fr)
Dispositif de coulissement et de verrouillage

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Application
EP 08100792 A 20080123

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Abstract (en)
[origin: EP1970515A2] The invention relates to sliding and locking means (1) for locking the position of a glass panel (5), movable along an upper and a lower rail, at a given angle with respect to the upper rail (7), said upper rail consisting of an upper side (73), a bottom (70), an inner side (75) and outer side (76), where at the top edge of the glass panel, there are connected, by intermediation of a support bead (4), two upper guide members (2; 2' and 2, 2'') slidable along the upper rail (7), and at the lower edge of the glass panel, there are connected, by intermediation of a lower support bead (300), two lower guide members slidable along the lower rail (8), so that the glass panel (5) is immovably connected between said lower support bead (300) and upper support bead (4), and that at least the upper support bead (4) extends from one end of the glass panel (5) to the other end and can be turned and locked at an angle with respect to the upper rail (7). Each upper guide member (2; 2', 2'') is semisphere-shaped and formed as a locking member by connecting it to an upper support bead (4) secured at the top part of the glass panel (5) by a rigid fastening that prevents a mutual turning motion of the upper support bead (4) and the upper guide member (2), so that the counterpiece (20) of the upper guide member (2) serving as the locking member constitutes a circle segment shaped aperture (20) located on a shelf (200), and that the horizontal plane running through said aperture is located roughly at halfway of the height of said upper guide member (2). Each upper guide member (2', 2'') of each pair of upper guide members (2) is fastened to the upper support bead (4) at the end of the support bead and simultaneously at the top edge end of the glass panel. The invention also relates to sliding and locking means (1) for locking the position of a glass panel (5), movable along an upper and a lower rail, at a given angle with respect to the upper rail (7), so that at the upper and lower edges of the glass panel, there are connected pairs of upper and lower guide members that can be slid along the upper and lower rail (7, 8) respectively, and in between which pairs of upper and of lower guide members there is immovably secured a glass panel (5) that can be turned and locked at an angle with respect to the upper rail (7). Each upper guide member (2) is made as a combined sliding and locking element that is semisphere-shaped, connected by glass panels (5), rotary around its vertical axis and functions simultaneously both as a structure guiding and supporting the upper rail (7) of the glass panel and as a locking member, and the employed locking counterpiece (20) of the upper guide member (2) is an aperture that is circle segment shaped in cross-sectional profile, and the horizontal plane running through said aperture is located roughly halfway along the height of said upper guide member.

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Citation (search report)
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