

Title (en)
Parallel hinge assembly positioning system

Title (de)
Positionierungssystem einer Einrichtung von parallelen Schamieren

Title (fr)
Système de positionnement d'un ensemble de charnières parallèles

Publication
EP 1288417 A2 20030305 (EN)

Application
EP 02256099 A 20020903

Priority
GB 0121389 A 20010904

Abstract (en)
A parallel hinge assembly positioning system (10) and an extension member are disclosed for positioning two or more adjacent parallel hinge modules (12A,12B) mounted to a structure (18). The parallel hinge modules (12A,12B) support a sash of a vent of a structure (18). <??>Each parallel hinge comprises a pair of parallel tracks (14A,16A;14B,16B). One of the tracks being a fixed track (16A;16B) that is mounted to the structure (18), the other track (14A;14B) being moveable in such that it remains in a substantially parallel plane relative to the fixed track (16A;16B). A pair of diagonally crossing links (20A,22A;20B,22B) are also provided that are pivotally coupled to each of the tracks (14A,16A;14B,16B) and to each other. <??>The parallel hinge assembly alignment system (10) further includes a drive track (40) mounted to the structure (18), which extends between the adjacent parallel hinge modules (12A,12B). A drive member (38A;38B) for each parallel hinge module (12A;12B) is located in the drive track (40) and is pivotally coupled to one of the pair of diagonally crossing links (20A,22A;20B,22B) of the parallel hinge module (12A;12B). The drive member (38A;38B) is capable of movement along the drive track (40) to move the coupled link (20A,22A;20B,22B) and thereby actuate movement of the moveable track (14A;14B) relative to the fixed track (16A;16B). <??>An extension member (42A;42B) is provided, which provides coupling between one or more drive members (38A,38B,38C) in the drive track (40). The length of coupling between the pair of drive members (38A,38B,38C) can be adjusted to align the sash supported by the parallel hinge modules (12A,12B) over the vent.

IPC 1-7
E05D 15/34

IPC 8 full level
E05D 15/34 (2006.01)

CPC (source: EP)
E05D 15/34 (2013.01); **E05Y 2201/604** (2013.01); **E05Y 2201/694** (2013.01); **E05Y 2900/148** (2013.01)

Citation (applicant)
EP 0968349 A1 20000105 - SECURISTYLE LTD [GB]

Cited by
EP2241707A1; EP1994250B1; ITPI20100087A1; GB2436122A; GB2436122B; EP2620574A1; EP2495382A3; US8087129B2; US8959718B2; EP2620574B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
EP 1288417 A2 20030305; EP 1288417 A3 20041117; GB 0121389 D0 20011024; GB 2379248 A 20030305; GB 2379248 B 20050608

DOCDB simple family (application)
EP 02256099 A 20020903; GB 0121389 A 20010904