

Title (en)

Actuating device with nut and reversible screw and sliding door fitted out with such a device.

Title (de)

Antriebsvorrichtung mit Mutter und umkehrbare Schnecke, und Schiebetür ausgestattet mit solcher Vorrichtung.

Title (fr)

Dispositif d'actionnement à écrou et vis réversible et porte coulissante équipée d'un tel dispositif.

Publication

EP 0452201 A1 19911016 (FR)

Application

EP 91400932 A 19910405

Priority

FR 9004653 A 19900411

Abstract (en)

An actuating device with a nut (17) and a reversible screw (3) is connected by a coupling (12, 13) to a sliding door, the screw (3) itself being connected to a motor. A carriage (11) which moves along the screw comprises a lock (16, 22, 28, 24) for automatically locking this carriage when the nut (17) reaches one end of its travel and for unlocking it automatically when the screw starts to move in the opposite direction. <??>The lock (16, 22, 28, 24) moves with respect to the nut and is pushed towards a locking position by a coil spring (29) working in the winding mode. A manual unlocking means comprises a plate (37) which moves about an axis (40) in order to align the locking peg (22) and its roller (28) with a slide (23) against the action of the spring (29), this unlocking being possible even when the screw applies force in the direction of closure for safety reasons, the unlocking then only being validated when the screw is released. <??>Application to the door of a public transport vehicle. <IMAGE>

IPC 1-7

E05F 15/14

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [AD] FR 2417620 A1 19790914 - FAIVELEY SA [FR]
- [A] EP 0248303 A1 19871209 - SOMFY [FR]

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