

Title (en)

Sliding door, especially for railway carriages

Title (de)

Schiebetür, insbesondere für Eisenbahnwagen

Title (fr)

Porte à vantail coulissant, en particulier pour véhicule ferroviaire

Publication

EP 0443952 B2 19980610 (FR)

Application

EP 91400456 A 19910220

Priority

FR 9002256 A 19900223

Abstract (en)

[origin: JPH04228360A] PURPOSE: To provide a sliding door which has low-bulk, simple, strong and relatively light-weighted structure, enables large sliding stroke, and remains a wide selective possibility concerning the respective loci of the front edge and the rear edge of a movable part. CONSTITUTION: A movable part is capable of moving between an open position and a closed position relative to openings 3, 4, 6, 7. In the closed position, a front edge 12 of the movable part is engaged in a groove 11 of the front edge 3 of the opening. At the beginning of the opening procedure, two arms 18a, 18b are pivoted by a cylinder 24, and the ends of the arms are slid in grooves 21a, 21b of the movable part toward the outside of the opening. Thus, the rear edge of the movable part is disengaged relative to the rear edge of the opening.

IPC 1-7

B61D 19/02; **B61D 19/00**

IPC 8 full level

B61D 19/00 (2006.01); **B61D 19/02** (2006.01); **E05D 15/10** (2006.01)

CPC (source: EP US)

B61D 19/008 (2013.01 - EP US); **B61D 19/02** (2013.01 - EP US); **E05D 2015/1031** (2013.01 - EP US); **E05D 2015/1055** (2013.01 - EP US); **E05D 2015/1086** (2013.01 - EP US); **E05Y 2900/51** (2013.01 - EP US)

Citation (opposition)

Opponent :

FR 2621879 A1 19890421 - FAIVELEY ETS [FR]

Cited by

EP0716004A1; EP2079894A4; WO2012007417A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

EP 0443952 A1 19910828; **EP 0443952 B1 19931013**; **EP 0443952 B2 19980610**; AT E95767 T1 19931015; DE 443952 T1 19920206; DE 69100488 D1 19931118; DE 69100488 T2 19940203; DE 69100488 T3 19990107; ES 2025044 A4 19920316; ES 2025044 T3 19940116; ES 2025044 T5 19981001; FR 2658773 A1 19910830; FR 2658773 B1 19920612; JP H04228360 A 19920818; JP H0717195 B2 19950301; US 5140770 A 19920825

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EP 91400456 A 19910220; AT 91400456 T 19910220; DE 69100488 T 19910220; DE 91400456 T 19910220; ES 91400456 T 19910220; FR 9002256 A 19900223; JP 11415591 A 19910225; US 65944991 A 19910222