

Title (en)
DEVICE FOR GUIDING PLATE-LIKE OBJECT

Title (de)
VORRICHTUNG ZUM FÜHREN VON PLATTENARTIGEN GEGENSTÄNDEN

Title (fr)
DISPOSITIF DE GUIDAGE D'UN OBJET DE TYPE PLAQUE

Publication
EP 1627980 A1 20060222 (EN)

Application
EP 04730017 A 20040428

Priority
• JP 2004006143 W 20040428
• JP 2003128816 A 20030507

Abstract (en)
A plurality of sliding doors 3 arranged side by side to close an opening of a frame 1. The sliding doors 3 are flush with each other. A rotatable link 50 is disposed in an upper edge portion of an opening section 2x. The rotatable link 50 has a short rail portion 51 formed at a distal end thereof. A roller 15 is disposed in an upper edge portion of the sliding door 3. The roller 15 rides on the rail portion 51. When the sliding door 3 moves from a closed position to an opening preparation position in a front or rear direction, the rotatable link 50 rotates from a first rotation position to a second rotation position, thereby positioning the rail portion 51 coaxial with a fixed rail 39. The sliding door 3 is provided with a rail member 11. The rail member 11 of the sliding door 3 in the closed position is coaxial with the fixed rail 39. The roller 15 of the sliding door 3 moving to an open position runs on the rail member 11 of the sliding door 3 in the closed position and the fixed rail 39.

IPC 1-7
E05D 15/10

IPC 8 full level
E05D 15/06 (2006.01); **E05D 15/10** (2006.01)

CPC (source: EP)
E05D 15/1042 (2013.01); **E05D 15/1065** (2013.01); **E05D 2015/1063** (2013.01); **E05D 2015/1076** (2013.01); **E05Y 2201/412** (2013.01); **E05Y 2201/684** (2013.01); **E05Y 2600/322** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/20** (2013.01)

Cited by
EP1954905A4; EP1862625A4; ITPN20120071A1; WO2014083415A1

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

DOCDB simple family (publication)
EP 1627980 A1 20060222; **EP 1627980 A4 20081001**; CN 1816676 A 20060809; CN 1816676 B 20100929; HK 1091527 A1 20070119; JP 4297906 B2 20090715; JP WO2004099540 A1 20060713; TW 200426291 A 20041201; TW I251051 B 20060311; WO 2004099540 A1 20041118

DOCDB simple family (application)
EP 04730017 A 20040428; CN 200480018846 A 20040428; HK 06111906 A 20061027; JP 2004006143 W 20040428; JP 2005505998 A 20040428; TW 93112705 A 20040506