

Title (en)
SLIDING DOOR DEVICE

Title (de)
SCHIEBETÜRVORRICHTUNG

Title (fr)
DISPOSITIF DE PORTE COULISSANTE

Publication
EP 2141111 A4 20140101 (EN)

Application
EP 07742262 A 20070424

Priority
JP 2007058827 W 20070424

Abstract (en)
[origin: EP2141111A1] In a sliding door apparatus, a doorway is opened and closed by a low-speed door and a high-speed door that performs opening and closing actions at a faster speed than the low-speed door. A light-emitting portion is disposed on a high-speed door front surface and emits light obliquely upward. A light-receiving portion that receives light that has been emitted from the light-emitting portion is disposed on an upper portion of a doorway frame. A determining portion determines presence or absence of an obstruction in a vicinity of a low-speed door doorstep end portion based on an amount of light received at the light-receiving portion.

IPC 8 full level
B66B 13/26 (2006.01); **E05F 15/14** (2006.01); **E05F 15/20** (2006.01)

CPC (source: EP KR US)
B66B 13/14 (2013.01 - KR); **B66B 13/24** (2013.01 - KR); **B66B 13/26** (2013.01 - EP KR US); **E05F 15/632** (2015.01 - EP KR US); **E05F 15/74** (2015.01 - EP KR US); **E05F 2015/434** (2015.01 - US); **E05Y 2900/104** (2013.01 - EP KR US)

Citation (search report)

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- [A] JP 2002265175 A 20020918 - MITSUBISHI ELECTRIC CORP & EP 1243544 A2 20020925 - MITSUBISHI ELECTRIC CORP [JP]
- [A] JP S63104385 U 19880706
- [A] JP H01176674 U 19891215
- See references of WO 2008136092A1

Designated contracting state (EPC)
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