

Title (en)  
MOVING BODY MOVING APPARATUS

Title (de)  
VORRICHTUNG ZUR BEWEGUNG EINES BEWEGLICHEN KÖRPERS

Title (fr)  
APPAREIL DE DÉPLACEMENT DE CORPS MOBILE

Publication  
**EP 2397637 A1 20111221 (EN)**

Application  
**EP 09840017 A 20090216**

Priority  
JP 2009052584 W 20090216

Abstract (en)  
A moving device attenuating a velocity of a moving body is obtained. When a sliding door provided with a moving device (16) is moved in a closing direction (arrow A direction), and a rod (74) of a latch unit (28) is pressed by a pin member (52) provided in a door frame, holding members (64) are closed, and both holding portions (70) approach to each other so as to hold the pin member (52). Thus, a lock state between locking pieces (78) and end portions of rails (26) are released, and the latch unit (28) is moved toward a latch unit (30) by an urging force of a tension spring (48). Therefore, the latch unit (28) draws the sliding door in the closing direction via the pin member (52). Here, because a piston rod (44) is connected to the latch unit (28), the piston rod (44) is pressed into a cylinder (42) by a movement of the latch unit (28).

IPC 8 full level  
**E05F 1/16** (2006.01); **E05C 19/02** (2006.01); **E05F 5/00** (2006.01); **E05F 5/02** (2006.01)

CPC (source: EP KR)  
**E05B 65/08** (2013.01 - EP KR); **E05C 19/02** (2013.01 - EP KR); **E05F 1/16** (2013.01 - EP KR); **E05F 5/003** (2013.01 - EP KR); **E05F 5/027** (2013.01 - KR); **E05F 5/027** (2013.01 - EP); **E05Y 2201/21** (2013.01 - EP KR); **E05Y 2201/412** (2013.01 - EP KR); **E05Y 2201/424** (2013.01 - EP KR); **E05Y 2201/488** (2013.01 - EP KR); **E05Y 2600/41** (2013.01 - EP KR); **E05Y 2600/46** (2013.01 - EP KR); **E05Y 2800/00** (2013.01 - EP KR); **E05Y 2800/205** (2013.01 - EP KR); **E05Y 2800/21** (2013.01 - EP KR); **E05Y 2800/73** (2013.01 - EP KR); **E05Y 2900/132** (2013.01 - EP KR)

Cited by  
EP4086419A1; US10676976B2; WO2016197162A1

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DOCDB simple family (publication)  
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