

Title (en)  
Braking apparatus of door

Title (de)  
Bremsvorrichtung für eine Tür

Title (fr)  
Dispositif de frein pour porte

Publication  
**EP 1672159 A2 20060621 (EN)**

Application  
**EP 05027376 A 20051214**

Priority  
JP 2004363768 A 20041216

Abstract (en)  
In a braking apparatus by which braking can be effected to the movement of a door, the entire braking apparatus is formed in a compact structure. The braking apparatus has a main body containing a braking fluid, and a spiral rod. A hollow shaft is rotatably inserted through the main body. The spiral rod is inserted into the hollow shaft, and the main body and the spiral rod are screw-threadably engaged. On the outer face of the hollow shaft, is disposed a resistor which is placed in the braking fluid. The main body is fixed to the door frame, and the spiral rod is fixed to the door. When the door is opened and closed, the spiral rod undergoes straight reciprocating motion in the axial direction, and this motion is converted to the rotational motion of the hollow shaft, and the hollow shaft is rotated under decelerated condition, whereby braking can be effected to the movement of the door.

IPC 8 full level  
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Citation (applicant)  
• JP 2001303843 A 20011031 - JAPAN UNIFLOW CO LTD  
• JP 2002121959 A 20020426 - NIPPON DOOR CHECK MFG CORP  
• JP 2002054348 A 20020220 - RYOBI LTD

Cited by  
AT514663A1; AT514663B1

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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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