

Title (en)
BRAKE DEVICE FOR ELEVATOR HOIST

Title (de)
BREMSVORRICHTUNG FÜR AUFZUG-HEBEZEUG

Title (fr)
DISPOSITIF DE FREINAGE POUR TREUIL D'ASCENSEUR

Publication
EP 2441724 A4 20170125 (EN)

Application
EP 09845823 A 20090612

Priority
JP 2009060772 W 20090612

Abstract (en)
[origin: EP2441724A1] A first displacing body includes: a first movable core; a driven body that is disposed so as to be separated from the first movable core; and a first lining that is disposed on a surface of the driven body near the first movable core. A rotating body is interposed between the first movable core and the first lining. A second displacing body includes: a second movable core that is disposed between the first movable core and the rotating body; and a second lining that is disposed on a surface of the second movable core near the rotating body. The first displacing body is forced by a first forcing body in a direction in which the first lining contacts the rotating body, and the second displacing body is forced by a second forcing body in a direction in which the second lining contacts the rotating body. A common electromagnet is disposed between the first and second movable cores. The electromagnet displaces the first and second movable cores in directions in which the first and second linings separate from the rotating body in opposition to the forces from the first and second forcing bodies.

IPC 8 full level
B66D 5/14 (2006.01); **B66D 5/30** (2006.01)

CPC (source: EP KR)
B66B 11/08 (2013.01 - KR); **B66D 5/14** (2013.01 - EP); **B66D 5/30** (2013.01 - EP)

Citation (search report)
• [A] JP H11106154 A 19990420 - TOSHIBA ELEVATOR CO LTD
• See references of WO 2010143298A1

Cited by
EP3628636A1; US10975927B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2441724 A1 20120418; EP 2441724 A4 20170125; EP 2441724 B1 20171227; CN 102428020 A 20120425; CN 102428020 B 20140416; JP 5279905 B2 20130904; JP WO2010143298 A1 20121122; KR 101250030 B1 20130403; KR 20120011852 A 20120208; WO 2010143298 A1 20101216

DOCDB simple family (application)
EP 09845823 A 20090612; CN 200980159309 A 20090612; JP 2009060772 W 20090612; JP 2011518188 A 20090612; KR 20117024636 A 20090612