

Title (en)
STABILISING MECHANISM FOR A GUIDE CARRIAGE, IN PARTICULAR FOR A SLIDING DOOR OR SIMILAR THAT CAN BE DISPLACED BY A LINEAR DRIVE

Title (de)
STABILISIERUNG FÜR EINEN FÜHRUNGSSCHLITTEN, INSBESONDERE FÜR EINE VON EINEM LINEARANTRIEB BEWEGBARE SCHIEBETÜR ODER DERGLEICHEN

Title (fr)
STABILISATION D'UN COULISSEAU DE GUIDAGE, NOTAMMENT POUR UNE PORTE COULISSANTE OU ANALOGUE MUE PAR UN ENTRAÎNEMENT LINEAIRE

Publication
EP 1573160 A1 20050914 (DE)

Application
EP 03785766 A 20031208

Priority
• DE 10257582 A 20021209
• EP 0313872 W 20031208

Abstract (en)
[origin: WO2004053266A1] The invention relates to a stabilising mechanism for a guide carriage (4), in particular for a sliding door (5) or similar that can be displaced by a linear drive (1). The aim of the invention is to provide a stabilising mechanism, which prevents a rocking motion of the sliding door (5), in particular when starting and braking the sliding motion. To achieve this, the guide carriage (4) is equipped with at least one supporting roller (53), which is supported at least at times on a guide track (57).
[origin: WO2004053266A1] The stabilizing mechanism holds the movable door panel in a floating state by the use of magnets and has at least one supporting roller (53) on the guide carriage (4) that is supported on a guide track (57) at least at times. Supporting rollers can be mounted in the front and rear regions of the guide carriage. Both supporting rollers can be mounted on the same side of the guide carriage.

IPC 1-7
E05D 15/06; **E05F 15/18**

IPC 8 full level
E05F 15/56 (2015.01); **E05D 15/06** (2006.01); **E05F 15/60** (2015.01)

CPC (source: EP US)
E05D 15/0634 (2013.01 - EP US); **E05F 15/60** (2015.01 - EP US); **E05Y 2900/132** (2013.01 - EP US)

Citation (search report)
See references of WO 2004053266A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004053266 A1 20040624; CN 100357562 C 20071226; CN 1692207 A 20051102; DE 10257582 A1 20040930; EP 1573160 A1 20050914; JP 2006509487 A 20060316; JP 4594102 B2 20101208; US 2005235567 A1 20051027; US 8109040 B2 20120207

DOCDB simple family (application)
EP 0313872 W 20031208; CN 200380100338 A 20031208; DE 10257582 A 20021209; EP 03785766 A 20031208; JP 2004558017 A 20031208; US 52049405 A 20050107