

Title (en)

Magnetic levitation cushion and magnetic levitation device thereof

Title (de)

Magnetisches Schwebekissen und magnetische Schwebevorrichtung dafür

Title (fr)

Coussinet de lévitation magnétique et son dispositif de lévitation magnétique

Publication

EP 2036461 A1 20090318 (EN)

Application

EP 08014831 A 20080821

Priority

- US 90050007 A 20070912
- TW 97106171 A 20080222

Abstract (en)

A magnetic levitation cushion has multiple magnetic levitation devices (1) being assembled with at least one bracket (2). Each magnetic levitation device (1) has a housing (10), a fixed magnet (14), a movable magnet (15), a shaft (16) and a primary pad (17). The fixed magnet (14) is mounted securely in the housing (10). The movable magnet (15) is mounted slidably in the housing (10) and faces the fixed magnet (14) with a same magnetic pole. The shaft (16) is mounted slidably through the housing (10) and has a bottom end attached to the movable magnet (15). The primary pad (17) is mounted on a top end of the shaft (16). The magnetic levitation cushion is used for upholstered furniture such as chairs, beds and sofas and does not suffer metal fatigue or material hardening problems and may be cleaned, rearranged and recycled effectively.

IPC 8 full level

A47C 23/00 (2006.01)

CPC (source: EP)

A47C 7/144 (2018.07); **A47C 23/002** (2013.01); **A47C 31/003** (2013.01)

Citation (search report)

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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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2036461 A1 20090318; JP 2009068704 A 20090402

DOCDB simple family (application)

EP 08014831 A 20080821; JP 2008227339 A 20080904