

Title (en)
LIFTING MAGNET AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
HUBMAGNET SOWIE VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
ÉLECTRO-AIMANT DE LEVAGE AINSI QUE PROCÉDÉ DE FABRICATION DUDIT ÉLECTRO-AIMANT

Publication
EP 2005448 A2 20081224 (DE)

Application
EP 07711610 A 20070221

Priority
• EP 2007001482 W 20070221
• DE 102006011078 A 20060308

Abstract (en)
[origin: WO2007101550A3] The invention relates to a lifting magnet comprising a hollow cylindrical magnet body which comprises a housing (1) that guides the magnetic flux, in which a cylindrical, current-carrying coil (4) is axially mounted, a disk-shaped yoke (7) and a pole having an area (cone 3) which extends in an axial manner and an area (disk 2) which extends from the cone in a radial manner. A cylindrical anchor (6) is mounted and guided in a bearing sleeve (5) and/or a bearing tube inside the magnet body for carrying out an axial lifting movement and the bearing sleeve (5) and/or the bearing tube impinges upon the cone (3) on the end thereof which is oriented away from the yoke disk (7) and totally or partially impinges upon the yoke disk (7) on the other end thereof. The invention is characterised in that the yoke disk (7) is oriented radially on the bearing sleeve (5) and/or on the bearing tube and is connected axially to the flat surfaces (22) of the housing (1). The invention also relates to a method for producing the magnets.

IPC 8 full level
H01F 7/16 (2006.01)

CPC (source: EP)
H01F 7/081 (2013.01); **H01F 7/127** (2013.01); **H01F 7/1607** (2013.01)

Cited by
DE102011117688B3; DE102011115614B4; DE102014002108A1; DE102011011362A1; DE102011115614A1; WO2013045066A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006011078 A1 20070913; DE 102006011078 B4 20110505; AT E482457 T1 20101015; DE 502007005137 D1 20101104; EP 2005448 A2 20081224; EP 2005448 B1 20100922; WO 2007101550 A2 20070913; WO 2007101550 A3 20071221

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DE 102006011078 A 20060308; AT 07711610 T 20070221; DE 502007005137 T 20070221; EP 07711610 A 20070221; EP 2007001482 W 20070221