

Title (en)
MAGNETIC LINEAR DRIVE

Title (de)
MAGNETISCHER LINEARANTRIEB

Title (fr)
ORGANE D'ENTRAINEMENT LINEAIRE MAGNETIQUE

Publication
EP 1188222 A1 20020320 (DE)

Application
EP 00947808 A 20000620

Priority
• DE 0001981 W 20000620
• DE 19929572 A 19990622

Abstract (en)
[origin: DE19929572A1] In a magnetic linear drive, a coil (10, 11) is provided, inside which a magnetic flow (13) can be produced by a current in axial direction (34). Said drive comprises an armature (1) that can only move perpendicular in relation to the axial direction (34) and that includes a magnetically active part (3) that is magnetized in a particularly antiparallel manner in relation to the axial direction (34). The armature is driven by a current impulse that accelerates said armature in the direction of the center of the coil independently of the starting position of the magnetically active part (3).

IPC 1-7
H02K 41/02; **H01F 7/16**; **H01H 3/28**; **H01H 33/66**

IPC 8 full level
H01F 7/16 (2006.01); **H01H 3/28** (2006.01); **H01H 33/66** (2006.01); **H02K 41/02** (2006.01); **H01F 7/122** (2006.01); **H01F 7/18** (2006.01)

CPC (source: EP US)
H01F 7/1646 (2013.01 - EP US); **H01H 3/28** (2013.01 - EP US); **H01F 7/1816** (2013.01 - EP US); **H01H 33/6662** (2013.01 - EP US); **H01H 2003/268** (2013.01 - EP US)

Citation (search report)
See references of WO 0079672A1

Cited by
CN103178685A; DE102013201084A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 19929572 A1 20010104; AU 6148600 A 20010109; CN 1242534 C 20060215; CN 1357166 A 20020703; DE 50001984 D1 20030605; EP 1188222 A1 20020320; EP 1188222 B1 20030502; US 6888269 B1 20050503; WO 0079672 A1 20001228

DOCDB simple family (application)
DE 19929572 A 19990622; AU 6148600 A 20000620; CN 00809282 A 20000620; DE 0001981 W 20000620; DE 50001984 T 20000620; EP 00947808 A 20000620; US 1884501 A 20011221