

Title (en)  
MAGNETIC LINEAR DRIVE

Title (de)  
MAGNETISCHER LINEARANTRIEB

Title (fr)  
ORGANE D'ENTRAINEMENT LINEAIRE MAGNETIQUE

Publication  
**EP 1188222 B1 20030502 (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)  
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**H01H 2003/268** (2013.01 - EP US)

Cited by  
CN103178685A; DE102013201084A1

Designated contracting state (EPC)  
CH DE FR GB IT LI 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

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