

Title (en)  
Pivoting magnet

Title (de)  
Drehmagnet

Title (fr)  
Aimant pivotant

Publication  
**EP 1333453 A3 20050105 (DE)**

Application  
**EP 03001580 A 20030124**

Priority  
DE 10204460 A 20020205

Abstract (en)  
[origin: EP1333453A2] The rotary magnet includes a yoke (11) with an exciting winding (13). A pair of pole shoes (12) is arranged opposite each other and a rotor (14) is provided between the pole shoes. The rotor includes limbs (141,142), arranged opposite each other whose outer surfaces (14a) have in sections the same contour (15) as the pole shoe surface (121) and form an air gap (17) with the pole shoe surface. The radial width of the air gap is reduced with increased angle of rotation.

IPC 1-7  
**H01F 7/14**

IPC 8 full level  
**H01F 7/08** (2006.01); **H01F 7/14** (2006.01)

CPC (source: EP)  
**H01F 7/081** (2013.01); **H01F 7/145** (2013.01)

Citation (search report)

- [X] US 3638550 A 19720201 - HEREFORD JOHN R
- [X] GB 1262855 A 19720209 - SMITHS INDUSTRIES LTD [GB]
- [A] US 4428356 A 19840131 - KEMMNER ULRICH [DE]
- [A] US 5927249 A 19990727 - ACKERMANN BERND [DE], et al
- [A] GB 1422121 A 19760121 - CAV LTD

Cited by  
CN111354597A

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 SE SI SK TR

DOCDB simple family (publication)  
**EP 1333453 A2 20030806; EP 1333453 A3 20050105**; DE 10204460 A1 20030807

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**EP 03001580 A 20030124**; DE 10204460 A 20020205