

Title (en)  
MAGNETIC LATCH.

Title (de)  
MAGNETVERSCHLUSS.

Title (fr)  
DISPOSITIF DE VERROUILLAGE MAGNETIQUE.

Publication  
**EP 0615414 A4 19950308 (EN)**

Application  
**EP 93900840 A 19921204**

Priority  

- US 94471192 A 19920911
- US 97160992 A 19921106
- US 97203392 A 19921106
- US 9210446 W 19921204

Abstract (en)  
[origin: WO9406319A1] A magnetic latch includes a first member (301) having a protrusion and a second member (305) engaging the protrusion to prevent the first member (301) and the second member (305) from sliding relatively to one another. The second member includes a first magnet (230) to attract the first member (301) and a first solid non-magnetic member (319a) located inside a cavity of the first magnet (230) to enhance attraction between the first member (301) and the second member (305). The second member (305) can be provided with a backing plate (315a) to facilitate a magnetic flux path from the magnet to the magnet aperture. The second member (305) can also include a second magnet to attract the first member (301) and a second solid non-magnetic member located between the first magnet (230) and the second magnet. A third solid non-magnetic member can be provided on the outer periphery of the magnets. This design provides a latch with stronger holding power.

IPC 1-7  
**A44B 21/00**

IPC 8 full level  
**H01F 7/02** (2006.01)

CPC (source: EP)  
**H01F 7/0263** (2013.01)

Citation (search report)  

- No further relevant documents disclosed
- See references of WO 9406319A1

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

DOCDB simple family (publication)  
**WO 9406319 A1 19940331**; AT E180636 T1 19990615; CA 2123308 A1 19940331; CA 2123308 C 20030325; DE 69229352 D1 19990708; DE 69229352 T2 20000203; EP 0615414 A1 19940921; EP 0615414 A4 19950308; EP 0615414 B1 19990602; ES 2136121 T3 19991116

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