

Title (en)
Magnetic fasteners

Title (de)
Magnetischer Verschluss

Title (fr)
Fermoir magnétique

Publication
EP 1080655 A2 20010307 (EN)

Application
EP 00307518 A 20000831

Priority

- JP 25040099 A 19990903
- JP 2000021099 A 20000131
- JP 2000185786 A 20000621

Abstract (en)

The present invention provides a magnetic fixing unit which enforces strength of an assembly and prevents a mutual shifting in between a first and a second assemblies. The first assembly comprises an engaging mean, on the other hand, the second assembly comprises a guide mean. When the first and the second assemblies are combined with each other, said engaging mean may be led an inside of said guide mean. A combination of said assemblies may be automatically locked due to magnetism of magnet applied to an engaging member which is formed on said second assembly. Further, a rim-shaped guide mean which covers a side of an attracting surface of the other assembly from outside is formed on the side of said attracting surface of either of said assemblies. Further, an extending guide portion is formed on said engaging mean of said first assembly, by being said extending guide portion combined with a hole of said second assembly, a vertical mutual shifting of said first and said second assemblies will be prevented as well. Further, by being formed a gap member in between said <IMAGE>

IPC 1-7
A45C 13/10; A44B 17/00

IPC 8 full level
A41F 1/00 (2006.01); **A44B 17/00** (2006.01); **A45C 13/10** (2006.01)

CPC (source: EP KR)
A41F 1/002 (2013.01 - EP); **A45C 13/10** (2013.01 - KR); **A45C 13/1069** (2013.01 - EP)

Cited by
CN104470303A; EP1594381A4; CN113247447A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1080655 A2 20010307; EP 1080655 A3 20021016; CN 1171550 C 20041020; CN 1286951 A 20010314; JP 2001286321 A 20011016;
JP 3548503 B2 20040728; KR 100406013 B1 20031119; KR 20010030079 A 20010416

DOCDB simple family (application)
EP 00307518 A 20000831; CN 00126875 A 20000901; JP 2000185786 A 20000621; KR 20000046485 A 20000811