

Title (en)

A magnetic lock connection device of the cover plate and a quick assembly and disassembly method with the magnetic lock

Title (de)

Magnetische Verriegelungsverbindungsrichtung der Abdeckplatte, und schnelles Montage- und Demontageverfahren mit der magnetischen Verriegelung

Title (fr)

Dispositif de connexion de verrouillage magnétique de la plaque de couverture et procédé d'assemblage et de désassemblage rapide avec le verrou magnétique

Publication

EP 2596732 A3 20140507 (EN)

Application

EP 12007925 A 20121124

Priority

CN 201110383548 A 20111125

Abstract (en)

[origin: EP2596732A2] The present invention is provided with a magnetic lock device of the cover plate compositing a plug member disposed in the cover plate of the toilet and a fixed base disposed in the base of the toilet, the plug member is disassembly or locked to the fixed base, the present invention further includes a driving member or movable member, which is movably coupled to the plug member, the driving member is fixed with a magnetic member; a driven member, placed inside the fixed base and movable inside the fixed base; when sliding to a lock position, the driving member is plug into the plug member and locking the plug member to the fixed base with the effect of magnetic action; when the driving member is sliding to unlock position, the driven member is disposed with a first reposition spring, when the driving member is away from the lock position, the lock to the plug member is released; and a control mechanism disposed in the plug member has a limited portion to keep the driving member in the lock position or release the driving member from the lock position.

IPC 8 full level

A47K 13/26 (2006.01)

CPC (source: EP)

A47K 13/26 (2013.01)

Citation (search report)

- [XPA] CN 202096145 U 20120104 - R & T XIAMEN PLUMBING INC
- [A] EP 2314192 A1 20110427 - HATRIA S P A [IT]
- [A] WO 2009054882 A1 20090430 - MCCOY-DEEDLER MATTHEW WILLIAM [US]

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WO2016102608A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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