

Title (en)
Hinge device for mounting toilet seat cover

Title (de)
Scharniervorrichtung zur Montage eines Toilettensitzabdeckung

Title (fr)
Dispositif de charnière pour monter un couvercle de siège de toilettes

Publication
EP 2982282 A1 20160210 (EN)

Application
EP 14184783 A 20140915

Priority
CN 201410385077 A 20140807

Abstract (en)
The present disclosure relates to a hinge device with a damper for mounting a toilet seat cover, comprising an upper base (11), a lower base (14) and a locking pin (10). The lower base (14) is provided with sliding ribs (26, 28) while the upper base (11) is equipped with sliding channels (19, 24) matching the ribs (26, 28), and the upper base (11) can be inserted into the lower base (14) along the set direction by which the sliding channels (19, 24) and the sliding ribs (26, 28) are matched with each other. The locking pin (10) comprises a rotatable rod (33). In the utility model, the rod (33) of the locking pin (10) is mounted rotatable in the lower base (14), the inner end of the rod (33) extends to a limiting base (30) on the lower side of the upper base (11), the inner end of the rod (33) is provided with a limiting stopper (35) and the rotation of the rod (33) causes the limiting stopper (35) to depart from or lock into the limiting base (30). By this design, a safety apparatus (10) is added for the separation of the upper base (11) from the lower base (14) so that the present disclosure is safer.

IPC 8 full level
A47K 13/26 (2006.01); **A47K 13/12** (2006.01)

CPC (source: EP US)
A47K 13/12 (2013.01 - EP US); **A47K 13/26** (2013.01 - EP US)

Citation (search report)
• [XAI] TW M458193 U 20130801 - LUNG CHANG POTTERY MFG CO LTD [TW]
• [A] JP S60167598 U 19851107
• [A] CN 201529079 U 20100721 - XIAMEN HAODI PLUMBING CO LTD

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)
EP 2982282 A1 20160210; EP 2982282 B1 20160713; CN 104161482 A 20141126; CN 104161482 B 20170926; US 2016037982 A1 20160211

DOCDB simple family (application)
EP 14184783 A 20140915; CN 201410385077 A 20140807; US 201514803141 A 20150720