

Title (en)

A HINGED DEVICE OF A COVER PLATE AND A BODY OF A TOILET

Title (de)

DREHGELENK EINES DECKELS UND EINES KÖRPERS EINER TOILETTE

Title (fr)

DISPOSITIF ARTICULÉ D'UNE PLAQUE DE RECOUVREMENT ET CORPS DE TOILETTES

Publication

EP 2907433 B1 20191211 (EN)

Application

EP 14158723 A 20140311

Priority

- CN 201420066302 U 20140214
- CN 201410061728 A 20140224

Abstract (en)

[origin: EP2907433A1] The present invention is provided with a hinged device of a cover plate and a body of a toilet, which is used to assemble a cover plate component to a ceramic body of a toilet, comprising a rotation shaft, the cover plate component rotates about the rotation shaft, a base is disposed on the ceramic body, the base is disposed with a supporting pole, the rotation shaft comprises a switch element and a damper, wherein: the switch element is disposed with a through hole in radial direction, the switch element is disposed with a slot in axial direction, the slot and the through hole are connected; the support pole is disposed with a groove in radial direction, the support pole of the base is inserted into the through hole of the switch element; an insert, movably disposed inside the slot of the switch element, the insert is locked to the groove of the support pole under the work of an elastic force so as to lock the support bar to the switch element; the upper end of the base is disposed with step, the bottom surface of the hinged device is disposed on the step, the step bears the cover plate component. The hinged device of the present invention has simple structure, the rotation shaft loads the weight, thus making it stable and durable.

IPC 8 full level

A47K 13/26 (2006.01)

CPC (source: EP)

A47K 13/26 (2013.01)

Citation (examination)

- CN 201767898 U 20110323 - ZHOU YUJIA
- US 2012284909 A1 20121115 - CHEN GUO-BIN [CN]
- US 2010275353 A1 20101104 - GONG BINHUA [CN]

Cited by

CN112401726A

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

DOCDB simple family (publication)

DE 202014101077 U1 20140604; EP 2907433 A1 20150819; EP 2907433 B1 20191211

DOCDB simple family (application)

DE 202014101077 U 20140311; EP 14158723 A 20140311