

Title (en)

ROTARY CONTROL QUICK-DISMOUNTING HINGE AND TOILET COVER PLATE HAVING SAME

Title (de)

SCHNELLEDMONTAGESCHARNIER MIT DREHKONTROLLE UND TOILETTENDECKELPLATTE DAMIT

Title (fr)

CHARNIÈRE À DÉMONTAGE RAPIDE, À COMMANDE ROTATIVE, ET PLAQUE DE COUVERCLE DE TOILETTES COMPRENANT LADITE CHARNIÈRE

Publication

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Application

EP 19784707 A 20190108

Priority

- CN 201810330215 A 20180413
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Abstract (en)

[origin: CN108338731A] The invention discloses a rotary control quick-dismounting hinge and a toilet cover plate with the hinge. The rotary control quick-dismounting hinge comprises a support and a rotary shaft, wherein the support is fixed on a ceramic toilet and is provided with a plug pin; the rotary shaft is formed by performing coaxial inserting connection on a fixed shaft and a buffer and is used for a cover plate to perform pivot joint rotation; an upright column is arranged at the radial bottom of the fixed shaft; a pin hole is formed from the bottom surface of the upright column to the fixed shaft; when the plug pin with the height less than the depth of the pin hole is completely inserted into the pin hole to perform positioning, the upright column is pressed on the support; the rotary shaft also comprises a locking device which is arranged on the fixed shaft and is positioned between the buffer and the pin hole; the locking device locks the plug pin and is in linkage cooperation with the cover plate; when the cover plate overturns to a preset angle, the locking device unlocks a lock groove formed in the plug pin, so that the plug pin can be pulled out of the pin hole; when the pressure of the cover plate is completely borne by the support, and the longitudinal connection strength of the upright column and the support is higher; and the locking device is arranged on the fixed shaft between the buffer and a reducing shaft, and overturns to perform linkage locking on the cover plate or unlocks the plug pin, so that the portable dismounting function of the cover plate on the ceramic toilet is realized.

IPC 8 full level

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CPC (source: CN EP GB)

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Citation (search report)

- [I] CN 204016169 U 20141217 - HOTI XIAMEN PLUMBING INC
- [I] US 2015265110 A1 20150924 - CHEN GUOBIN [CN]
- [A] DE 20217174 U1 20030213 - SANIPLAST SPA [IT]
- See also references of WO 2019196526A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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