

Title (en)

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

Title (de)

SCHNELLEDEMONTAGESCHARNIER MIT DREHKONTROLLE UND TOILETTENDECKELPLATTE DAMIT

Title (fr)

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

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Application

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Priority

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Abstract (en)

A rotary control quick-dismounting hinge and a toilet cover plate having same, the rotary control quick-dismounting hinge comprising a support (10) and a rotary shaft (20), wherein the support (10) is fixed to a ceramic toilet and is provided with a plug pin (11); the rotary shaft (20) is formed by coaxial inserting connection of a fixed shaft (21) and a buffer (22) and is used for a cover plate to perform pivot joint rotation; an upright column (211) is arranged at the radial bottom of the fixed shaft (21); a pin hole (212) is formed from the bottom surface of the upright column (211) into the fixed shaft (21); when the plug pin (11) of which the height is less than the depth of the pin hole (212) is completely inserted into the pin hole (212) for positioning, the upright column (211) is pressed onto the support (10); the rotary shaft (20) also comprises a locking device (23) which is arranged on the fixed shaft (21) and is positioned between the buffer (22) and the pin hole (212); the locking device (23) locks the plug pin (11) and is in linkage cooperation with the cover plate; when the cover plate overturns to a preset angle, the locking device (23) unlocks a lock groove (12) which is provided on the plug pin (11), so that the plug pin (11) may be pulled out of the pin hole (212); when the pressure of the cover plate is completely borne by the support (10), the longitudinal connection strength of the upright column (211) and the support (10) is higher; and the locking device (23) is installed on the fixed shaft (21) between the buffer (22) and a reducing shaft (213) and overturns with the cover plate to linkage lock or unlock the plug pin (11), so that a convenient dismounting function of the cover plate on the ceramic toilet is achieved.

IPC 8 full level

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