

Title (en)
HINGED STRUCTURE FOR TOILET COVER PLATE

Title (de)
SCHARNIERSTRUKTUR FÜR TOILETTENDECKELPLATTE

Title (fr)
STRUCTURE ARTICULÉE POUR PLAQUE DE COUVERCLE DE WC

Publication
EP 4094653 A1 20221130 (EN)

Application
EP 22164495 A 20220325

Priority
CN 202121150059 U 20210526

Abstract (en)
The present disclosure discloses a hinged structure for a toilet cover plate, which includes a fixed seat and a cover plate, a mounting hole is arranged on the cover plate, and a seat hinge assembly is installed in the mounting hole. The seat hinge assembly includes an oil core sleeve and a hinge shaft fixedly arranged in the mounting hole, and the hinge shaft includes an oil core part rotatably arranged in the oil core sleeve and a seat hinge part inserted and matched with the connection column on the fixed seat. The oil core part and the seat hinge part are integrally formed, and the cover plate is provided with an arc-shaped hole communicated with the radial direction of the mounting hole. When the seat hinge assembly is installed in the mounting hole, the seat hinge assembly is clamped in the arc-shaped hole through an annular elastic buckle, so that the seat hinge assembly is axially fixed. The seat hinge part and the oil core part are integrally formed, which can effectively reduce the coaxiality error of the seat hinge assembly, so as to reduce the mechanical fatigue of the damper parts and prolong the service life. And the disassembly of the seat hinge assembly can be quickly completed through the annular elastic buckle, so as to realize the rotating installation between the cover plate and the fixed seat.

IPC 8 full level
A47K 13/12 (2006.01); **A47K 13/24** (2006.01)

CPC (source: EP)
A47K 13/12 (2013.01); **A47K 13/24** (2013.01)

Citation (applicant)
CN 201767898 U 20110323 - ZHOU YUJIA

Citation (search report)
[A] CN 203762997 U 20140813 - HOTI XIAMEN PLUMBING INC

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