

Title (en)
MOVABLE FRAME

Title (de)
BEWEGLICHER RAHMEN

Title (fr)
CADRE MOBILE

Publication
EP 4159938 A4 20240605 (EN)

Application
EP 20937923 A 20200610

Priority
• CN 202020941311 U 20200528
• CN 2020095250 W 20200610

Abstract (en)
[origin: EP4159938A1] A movable holder is slidably arranged on a lifting rod for hanging a handheld showerhead and includes a pedestal (2), a driving assembly (3) and a showerhead base (1) connected to the pedestal (2). The pedestal is provided with a through hole (2A) for accommodating the lifting rod and an assembly groove (2B) for accommodating the driving assembly (3). The driving assembly (3) includes a moving member (31) and an elastic member (32). The moving member (31) moves obliquely along the assembly groove (2B) to be close to or away from the through hole (2A). The elastic member (32) is located between the moving member (31) and the pedestal (2) to drive the moving member (31) to have a tendency of moving towards the through hole (2A). The through hole (2A) is provided with a stopping rib (5) on an inner peripheral wall away from the moving member (31), and the stopping rib (5) extends along an axis of the through hole (2A). In the movable holder, a guide sleeve structure in a conventional movable holder is removed, so that the costs of components are lowered. Meanwhile, the production difficulty is lowered, and the assembly efficiency is improved, so that the actual production and assembly demands are satisfied.

IPC 8 full level
E03C 1/06 (2006.01)

CPC (source: EP)
E03C 1/066 (2013.01)

Citation (search report)
• [Y] CN 207376720 U 20180518 - XIAMEN MUJIA SANITARY WARE CO LTD
• [Y] EP 0859090 A1 19980819 - GROHE ARMATUREN FRIEDRICH [DE]
• [Y] CN 204927728 U 20151230 - KAILIN SANITARY WARE SCIENCE & TECHNOLOGY XIAMEN CO LTD
• [A] CN 204274264 U 20150422 - WEITE XIAMEN SHOWER EQUIPMENT CO LTD
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• [A] JP 3191956 U 20140724
• [A] CN 208545799 U 20190226 - XIAMEN KEEKOE SANITARY WARE CO LTD
• [A] EP 0751261 A1 19970102 - HANSA METALLWERKE AG [DE]
• [A] CN 210411312 U 20200428 - JOMOO KITCHEN & BATHROOM APPLIANCES CO LTD
• See also references of WO 2021237805A1

Designated contracting state (EPC)
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