

Title (en)  
HANDLE ASSEMBLY AND SHOWER DOOR

Title (de)  
GRIFFANORDNUNG UND DUSCHTÜR

Title (fr)  
ENSEMBLE FORMANT POIGNÉE ET PORTE DE DOUCHE

Publication  
**EP 3517712 A4 20191113 (EN)**

Application  
**EP 17918698 A 20171115**

Priority  
CN 2017111174 W 20171115

Abstract (en)  
[origin: EP3517712A1] A handle assembly and a shower door are provided. The handle assembly (300) includes a handle seat (310); the handle seat (310) includes a through hole (311); the handle seat (310) further includes a plurality of inner side holes (312) and a plurality of first magnets (313) placed in the inner side holes (312); the inner side holes (312) are disposed in a manner of surrounding the through hole (311); the first magnets (313) are columnar; axes of the first magnets (313) are parallel to the inner side holes (312); the first magnets (313) are divided into south poles and the north poles in a radial direction and may rotate about the axes in the inner side holes (312); the handle assembly (300) further includes a waterproof piece (320); the waterproof piece (320) includes baffles (325) and flanges (327) located at edges of the baffles (325); the waterproof piece (320) is placed in the through hole (311); the flanges (327) are engaged with the through hole (311); the flanges (327) include a plurality of outer side holes (326) and a plurality of second magnets (328) placed in the outer side holes (326); the outer side holes (326) are disposed in a manner of surrounding the baffles (325); the second magnets (328) are columnar; axes of the second magnets (328) are parallel to the inner side holes (312); and the second magnets (328) are divided into south poles and the north poles in a radial direction and may rotate about the axes in the outer side holes (326). When the handle assembly is applied to the shower door, the beneficial effects of water proofing, space saving and the like can be brought, and the waterproof piece may be opened and closed in multiple directions.

IPC 8 full level  
**E05B 5/00** (2006.01); **E05B 1/00** (2006.01)

CPC (source: CN EP)  
**E05B 1/0015** (2013.01 - EP); **E05B 5/00** (2013.01 - CN EP); **E06B 3/4636** (2013.01 - CN); **A47K 3/36** (2013.01 - EP)

Citation (search report)  
• [A] IT MI20111334 A1 20130119 - OMP PORRO SPA  
• [A] CH 707535 A2 20140731 - MACS HOLDING GMBH [DE]  
• [A] US 2017182429 A1 20170629 - CHOI SO YEONG [KR]  
• [A] US 2016074766 A1 20160317 - CHOI SO YOUNG [KR]  
• [A] CN 203412366 U 20140129 - QINGDAO AUCMA ULTRA LOW TEMPERATURE FREEZING MACHINES CO LTD  
• See references of WO 2019095166A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3517712 A1 20190731**; **EP 3517712 A4 20191113**; **EP 3517712 B1 20200729**; CN 108064318 A 20180522; CN 108064318 B 20200904; WO 2019095166 A1 20190523

DOCDB simple family (application)  
**EP 17918698 A 20171115**; CN 2017111174 W 20171115; CN 201780001664 A 20171115