

Title (en)
Pump

Title (de)
Pumpe

Title (fr)
Pompe

Publication
EP 1574717 A1 20050914 (FR)

Application
EP 05290481 A 20050303

Priority
FR 0402213 A 20040303

Abstract (en)
The pump has two lateral grooves (7, 8) arranged on front and rear sides of a pump body. Upper and lower grooves (9, 10) allow the grooves (7, 8) to communicate between them, and connect the grooves (7, 8) with valves (1, 2). The valves are opened to permit entry and exit of cleaning liquid e.g. hot water, respectively during washing phase. An independent claim is also included for a device having a pump.

Abstract (fr)
La présente invention a pour objet une pompe caractérisée en ce qu'elle comprend deux gorges latérales sur les faces avant et arrières du corps de pompe avec une communication interne basse et haute entre ces deux gorges.

IPC 1-7
F04D 29/42

IPC 8 full level
F04D 13/12 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)
F04D 13/12 (2013.01)

Citation (applicant)
• DE 10043668 A1 20020328 - OASE WUEBKER GMBH & CO KG [DE]
• DE 20313360 U1 20031106 - OASE WUEBKER GMBH & CO KG [DE]
• US 2004011647 A1 20040122 - BROADLEY SCOTT T [US], et al
• GB 852580 A 19601026 - MELMOTH WILLIAM HUNTER

Citation (search report)
• [X] DE 10043668 A1 20020328 - OASE WUEBKER GMBH & CO KG [DE]
• [X] DE 20313360 U1 20031106 - OASE WUEBKER GMBH & CO KG [DE]
• [X] US 2004022647 A1 20040205 - THOMPSON BRETT FRANKLIN [US], et al
• [X] GB 852580 A 19601026 - MELMOTH WILLIAM HUNTER

Cited by
US11070109B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1574717 A1 20050914; EP 1574717 B1 20161130; DK 1574717 T3 20170227; ES 2615456 T3 20170607; FR 2867236 A1 20050909; FR 2867236 B1 20090227; HU E033703 T2 20171228; LT 1574717 T 20170525; PL 1574717 T3 20170731; PT 1574717 T 20170301

DOCDB simple family (application)
EP 05290481 A 20050303; DK 05290481 T 20050303; ES 05290481 T 20050303; FR 0402213 A 20040303; HU E05290481 A 20050303; LT 05290481 T 20050303; PL 05290481 T 20050303; PT 05290481 T 20050303