

Title (en)
Pump unit

Title (de)
Pumpenaggregat

Title (fr)
Groupe motopompe

Publication
EP 1978261 A1 20081008 (FR)

Application
EP 08290249 A 20080314

Priority
FR 0702531 A 20070406

Abstract (en)
The unit has a shaft (1) defining a vertical axis, and an aspirating base (5) fixed at bottom of an impeller (3), and including vertical annular inner and outer walls (7, 6) that define an aspirating hole (9) and a supply zone (10), respectively. The wall (6) has a free lower edge (12) with a part (11) that is provided at a level lower than that of a free lower edge (13) of the wall (7). The wall (6) has another part (15) whose free lower edge (14) is provided at a level higher than the edge (13). The part (15) is inclined at an angle ranging from 30 to 60 degrees, with respect to an axis. An independent claim is also included for a method of aspirating a float in a pit.

Abstract (fr)
Dans ce groupe motopompe, une partie (15) de la zone (10) d'alimentation est inclinée par rapport à l'axe (1) du groupe, ce qui permet de faciliter le pompage des flottants.

IPC 8 full level
F04D 29/42 (2006.01)

CPC (source: EP)
F04D 7/045 (2013.01); **F04D 29/2288** (2013.01); **F04D 29/4273** (2013.01)

Citation (applicant)
EP 1739311 A1 20070103 - EBARA CORP [JP]

Citation (search report)
• [X] EP 1739311 A1 20070103 - EBARA CORP [JP]
• [A] FR 2594184 A1 19870814 - VALEO [FR]
• [A] DE 3813654 A1 19891102 - LICENTIA GMBH [DE]
• [A] GB 2254110 A 19920930 - ASMO CO LTD [JP]
• [A] DE 4119131 A1 19921217 - KLOECKNER HUMBOLDT DEUTZ AG [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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