

Title (en)
Submersible pump assembly

Title (de)
Tauchpumpenaggregat

Title (fr)
Unité de pompe submersible

Publication
EP 1767786 A1 20070328 (DE)

Application
EP 05020866 A 20050924

Priority
EP 05020866 A 20050924

Abstract (en)
The immersion pump unit has a wet-running electric motor (11). there is only one pump wheel (8), which can be driven by the electric motor at more than 20,000 rpm. The rotor (12) of the electric motor has a diameter of less than 25 mm. The pump wheel may be sealed axially in the region of the induction inlet (48).

IPC 8 full level
F04D 13/08 (2006.01); **F04D 13/06** (2006.01)

CPC (source: EP US)
F04D 13/0626 (2013.01 - EP US); **F04D 13/0633** (2013.01 - EP US); **F04D 13/10** (2013.01 - EP US)

Citation (applicant)
• DE 8816412 U1 19890810
• WO 02052156 A1 20020704 - GRUNDFOS AS [DK], et al

Citation (search report)
• [X] DE 8816412 U1 19890810
• [A] WO 02052156 A1 20020704 - GRUNDFOS AS [DK], et al
• [A] EP 0834326 A2 19980408 - JMS CO LTD [JP]
• [A] WO 2005052365 A2 20050609 - SUPERCRITICAL SYSTEMS INC [US], et al
• [A] WO 9925055 A1 19990520 - ENO JAMES JOSEPH [US], et al

Cited by
CN106194775A

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1767786 A1 20070328; EP 1767786 B1 20100602; AT E470075 T1 20100615; CN 101273202 A 20080924; CN 101273202 B 20130424; DE 502005009681 D1 20100715; US 2009010783 A1 20090108; US 8262369 B2 20120911; WO 2007033726 A1 20070329

DOCDB simple family (application)
EP 05020866 A 20050924; AT 05020866 T 20050924; CN 200680035089 A 20060803; DE 502005009681 T 20050924; EP 2006007671 W 20060803; US 6787506 A 20060803