

Title (en)
Submersible pump assembly

Title (de)
Pumpenaggregat

Title (fr)
Unité de pompe submersible

Publication
EP 1767787 A1 20070328 (DE)

Application
EP 05020868 A 20050924

Priority
EP 05020868 A 20050924

Abstract (en)
The pump motor stator (16) is enclosed in a sealed housing (18) with the impeller (8) shaft (12) mounted within a central housing (14) with radial bearings (20) and a seal (56) leaving the impeller in spiral housing (6) having inlet holes (62) and an outlet (48) with a back pressure valve (4).

IPC 8 full level
F04D 13/08 (2006.01); **F04D 13/06** (2006.01); **F04D 29/04** (2006.01)

CPC (source: EP US)
F04D 13/0626 (2013.01 - EP US); **F04D 13/0633** (2013.01 - EP US); **F04D 13/086** (2013.01 - EP US); **F04D 29/0413** (2013.01 - EP US)

Citation (search report)

- [XA] WO 02052156 A1 20020704 - GRUNDFOS AS [DK], et al
- [A] WO 2005052365 A2 20050609 - SUPERCRITICAL SYSTEMS INC [US], et al
- [A] WO 9925055 A1 19990520 - ENO JAMES JOSEPH [US], et al
- [A] DE 8816412 U1 19890810

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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)
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DOCDB simple family (application)
EP 05020868 A 20050924; AT 05020868 T 20050924; CN 200680035069 A 20060920; DE 502005001847 T 20050924; EP 2006009113 W 20060920; US 6786806 A 20060920