

Title (en)  
Motor pump unit

Title (de)  
Pumpenaggregat

Title (fr)  
Groupe motopompe

Publication  
**EP 2520806 A1 20121107 (DE)**

Application  
**EP 11003736 A 20110506**

Priority  
EP 11003736 A 20110506

Abstract (en)  
The assembly has an electrical driving motor (1) arranged at an upper end of the assembly and fastened to a motor bracket (2). The motor bracket connects the motor with a centrifugal pump (3) that is arranged at a lower end of the assembly. Twist crushers (15, 16) are arranged upstream of a suction port (5) and provided with a twist crusher component (14) that is connected with the assembly in a detachable manner, where the motor and the pump are arranged at a distance from each other by the bracket. The bracket has two legs (11, 12) that are arranged on a shaft axis of the motor.

Abstract (de)  
Das Pumpenaggregat weist einen elektrischen Antriebsmotor (1) und eine Kreispumpe (3) auf, die als Tauchpumpe ausgebildet ist. Sie weist einen Saugmund (5) und einen dem Saugmund (5) vorgeschalteten Drallbrecher (15, 16) auf, der durch ein Bauteil (14) gebildet ist, welches lösbar am Pumpenaggregat befestigt ist.

IPC 8 full level  
**F04D 13/08** (2006.01); **F04D 29/44** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP KR)  
**F04D 13/08** (2013.01 - EP KR); **F04D 29/4273** (2013.01 - EP); **F04D 29/44** (2013.01 - KR); **F04D 29/448** (2013.01 - EP); **F04D 29/70** (2013.01 - KR); **F04D 29/708** (2013.01 - EP)

Citation (search report)

- [XAI] JP 2010190184 A 20100902 - TORISHIMA PUMP MFG CO LTD
- [A] JP S57143190 A 19820904 - HITACHI LTD
- [X] JP H07293496 A 19951107 - TERADA PUMP MFG
- [X] EP 1898100 A1 20080312 - H H IDE V HENRIK HOFFMANN [DK]

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ITMI20130390A1; JP2014202128A

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 2520806 A1 20121107**; **EP 2520806 B1 20180711**; KR 101889829 B1 20180821; KR 20140028047 A 20140307; WO 2012152599 A1 20121115

DOCDB simple family (application)  
**EP 11003736 A 20110506**; EP 2012057731 W 20120427; KR 20137031939 A 20120427