

Title (en)  
CANNED MOTOR PUMP WITH LEAK SENSOR

Title (de)  
SPALTROHRMOTORPUMPE MIT LECKSENSOR

Title (fr)  
POMPE À ROTOR NOYÉ AVEC CAPTEUR DE FUIITE

Publication  
**EP 4008908 A1 20220608 (EN)**

Application  
**EP 21180838 A 20210622**

Priority  
• TW 109142382 A 20201202  
• TW 110109996 A 20210319

Abstract (en)  
A magnetic drive pump (1) includes a motor unit (3) and a leak detector (4). The motor unit (3) includes an inner case body (32) and an outer case body (33). The inner case body (32) has an inner end wall (322) . The outer case body (33) is sleeved on the inner case body (32) and has an outer end wall (332). The outer end wall (332) cooperates with the inner end wall (322) to define a liquid-receiving space (337) therebetween. The leak detector (4) is disposed on one side of the outer end wall (332) opposite to the liquid-receiving space (337) and includes a sensor (41) for detecting a change in electrostatic capacity between the liquid-receiving space (337) and the sensor (41).

IPC 8 full level  
**F04D 13/06** (2006.01); **F04D 15/00** (2006.01); **F04D 15/02** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)  
**F04D 13/0626** (2013.01); **F04D 15/0077** (2013.01); **F04D 15/0263** (2013.01); **F04D 29/628** (2013.01)

Citation (applicant)  
TW I424661 B 20140121

Citation (search report)  
• [Y] CN 212055146 U 20201201 - ZI YI ELECTRICAL ENG CO LTD  
• [Y] TW M600801 U 20200901 - ZI YI ELECTRICAL ENGINEERING CO LTD [TW]  
• [Y] US 4998863 A 19910312 - KLAUS FRANZ [DE]  
• [A] EP 2292932 A2 20110309 - KSB AG [DE]  
• [A] US 2011293450 A1 20111201 - GRIMES DAVID J [US], et al

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)  
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