

Title (en)
LIQUID RING SCREW PUMP END COVER

Title (de)
ENDABDECKUNG FÜR EINE FLÜSSIGKEITSPUMPE MIT EINER RINGSCHRAUBE

Title (fr)
COUVERCLE D'EXTRÉMITÉ DE POMPE À VIS À ANNEAU LIQUIDE

Publication
EP 2870366 A4 20160518 (EN)

Application
EP 13816303 A 20130704

Priority
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Abstract (en)
[origin: WO2014011054A1] Liquid ring screw pump (1) including a housing (2) with a suction inlet part (4) and a pressure outlet part (3) and within the housing (2) rotatably provided Archimedes screw rotor driven by a motor (6) via a shaft, the inlet part (4) further including a suction chamber (4) which is provided with a front cover or lid (5). The cover (5) is attached to the suction chamber (4) of the pump (1) by means of a locking ring (8) and with a sealing element in the form of a O-ring (9) provided between the cover (5) and chamber (4).

IPC 8 full level
F04B 17/03 (2006.01); **F04D 13/06** (2006.01); **F04D 29/40** (2006.01); **F04D 29/42** (2006.01); **F04D 29/60** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)
F04B 17/03 (2013.01); **F04D 3/02** (2013.01); **F04D 7/045** (2013.01)

Citation (search report)
• [XY] US 2975714 A 19610321 - NECHINE LEONARD M
• [X] WO 2004099619 A1 20041118 - JETS AS [NO], et al
• [X] GB 2242704 A 19911009 - INCO LTD [CA]
• [Y] US 2009145498 A1 20090611 - BOWMAN JOEL BRENT [US], et al
• See references of WO 2014011054A1

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

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