

Title (en)
LIQUID PUMP

Title (de)
FLÜSSIGKEITSPUMPE

Title (fr)
POMPE A LIQUIDES

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Application
EP 02781135 A 20021014

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• DE 0203878 W 20021014
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Abstract (en)
[origin: WO03067094A1] The invention relates to a liquid pump, especially a water pump, comprising a pump housing (11) surrounding a pump wheel and an engine housing connected thereto, wherein an electric motor (21) driving the pump wheel is arranged with a stator (22) and a rotor. The pump housing (11) comprises a lower part (12) with an annular flange (14) extending radially in an outward direction, and an upper part (13) which is arranged on the lower part (12) in order to seal the pump against leaks of liquid and to seal the motor housing against liquid penetration and to enable the sealing and mounting of the liquid pump without the addition of connecting elements. A sealing ring (15) is arranged between the free, annular-shaped face end of the upper part of the housing (13) and the annular flange (14). Said motor housing is embodied in the form of a cup (26), which overlaps the edge (28) of the annular flange (14), the sealing ring (15) and partially the upper part of the housing (13) and engages with the upper part of the housing (13), whereby an axial tensing force is produced.

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Citation (examination)
• FR 2185129 A5 19731228 - SAUNIER DUVAL [FR]
• US 5030062 A 19910709 - SUTTON MICHAEL [GB]

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WO 03067094 A1 20030814; DE 10204459 A1 20030807; EP 1474611 A1 20041110; EP 1474611 B1 20110608; JP 2005517126 A 20050609; JP 4317028 B2 20090819; KR 20040077930 A 20040907; US 2004071573 A1 20040415; US 7137794 B2 20061121

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