

Title (en)
LIQUID PUMP

Title (de)
FLÜSSIGKEITSPUMPE

Title (fr)
POMPE A LIQUIDE

Publication
EP 1553292 A4 20050928 (EN)

Application
EP 03738688 A 20030704

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• JP 0308547 W 20030704
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Abstract (en)
[origin: EP1553292A1] The invention is directed to provide a liquid pump (lubricant circulation or lubricant supply pump) that is capable of lubricating a machine or apparatus even in a case that a passage supplying a liquid (lubricant) is in a vacuum condition. To solve the above, the invention is characterized in a liquid pump (lubricant circulation or lubricant supply pump) for delivering a liquid (lubricant) from a liquid storing portion (lubricant storing portion) to a predetermined position of at least one location, wherein at least one cylinder chamber is formed inside of the pump, a piston is arranged to reciprocate by a driving means in the cylinder chamber, the cylinder chamber is communicated with a liquid (lubricant) delivery port, so that the liquid (lubricant) discharged into a fluid passage communicating with the predetermined position of at least one location, the driving means is provided with a solenoid including an axial portion all of which or at least a part of which is made of a ferromagnetic substance and a solenoid coil that are relatively movable to each other, the axial portion all of which or at least a part of which is made of the ferromagnetic substance and the cylinder chamber are fixed by a predetermined means. <IMAGE>

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F04B 5/00 (2006.01); **F04B 5/02** (2006.01); **F04B 17/04** (2006.01); **F04B 23/02** (2006.01); **F04C 29/02** (2006.01); **F04C 18/16** (2006.01)

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Citation (search report)
• No further relevant documents disclosed
• See references of WO 2004005711A1

Cited by
CN107646075A; GB2619857A; JP2018066288A; US10683857B2; WO2016188672A1; WO2022180496A1

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