

Title (en)
PUMP COMPRISING A WATER SUPPLY

Title (de)
PUMPE MIT WASSEREINSPEISUNG

Title (fr)
POMPE A ALIMENTATION EN EAU

Publication
EP 1317627 A1 20030611 (DE)

Application
EP 01980376 A 20010912

Priority
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• EP 0110536 W 20010912

Abstract (en)
[origin: US7077635B2] A pump (12) for generating pressure and/or negative pressure comprises a pump chamber having a high-pressure port (16) and a low-pressure port (14), and two at least two-blade rotors which are mounted in the pump chamber on two parallel shafts offset in relation to each other. The rotors roll off onto each other free of contact during rotation while forming cells with an internal compression. Provision is made for a supply of a cooling agent (21) into the pump chamber, the supply being closed-loop controlled depending on the temperature on the side of the high-pressure port (16).

IPC 1-7
F04C 29/04; **F04C 18/12**

IPC 8 full level
F04C 18/073 (2006.01); **F04C 18/12** (2006.01); **F04C 28/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR US)
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