

Title (en)
IMPROVED PRECOMPRESSION PUMP

Title (de)
PUMPE MIT VORDRUCKAUFBAU

Title (fr)
POMPE A PRECOMPRESSION PERFECTIONNEE

Publication
EP 0757592 A1 19970212 (FR)

Application
EP 95917405 A 19950414

Priority
• FR 9500496 W 19950414
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Abstract (en)
[origin: US5803318A] PCT No. PCT/FR95/00496 Sec. 371 Date Oct. 28, 1996 Sec. 102(e) Date Oct. 28, 1996 PCT Filed Apr. 14, 1995 PCT Pub. No. WO95/29016 PCT Pub. Date Nov. 2, 1995A precompression pump has a hollow cylindrical pump body 1 extending axially between a first end 1a and a second end 1c, an annular piston 3 sliding axially in the pump body, the piston and the pump body defining a pump chamber 6, and a push rod 40 for controlling the piston and sliding axially inside it. The push rod includes an outlet channel 41a, 42a which opens out inside the pump body via a lateral opening 42b, and the piston is displaceable relative to the push rod to close the lateral opening or to put it into communication with the pump chamber. A resilient precompression spring 47 urges the piston towards the pump chamber and towards a rest position in which it closes the lateral opening of the outlet channel, and a central section of the piston is isolated from the pump chamber, at least while the piston is in the rest position.

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IPC 8 full level
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B05B 11/0008 (2013.01 - EP US); **B05B 11/1025** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US)

Citation (search report)
See references of WO 9529016A1

Cited by
CN104822465A; WO2017044087A1; WO2015191490A1; WO2017044085A1; WO2015191492A1; WO2017044084A1; WO2015191494A1; WO2015191496A1; WO2015191515A1; WO2015191518A1; WO2015191495A1; WO2015191517A1; WO2015191491A1; WO2017044083A1

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