

Title (en)
ROTARY-OSCILLATING SUBASSEMBLY AND ROTARY-OSCILLATING VOLUMETRIC PUMPING DEVICE FOR VOLUMETRICALLY PUMPING A FLUID

Title (de)
DREH- UND SCHWINGBAUGRUPPE SOWIE DREH- UND SCHWINGBARE VOLUMETRISCHE PUMPVORRICHTUNG ZUM VOLUMETRISCHEN PUMPEN EINES FLUIDS

Title (fr)
SOUS-ENSEMBLE OSCILLO-ROTATIF ET DISPOSITIF DE POMPAGE VOLUMÉTRIQUE OSCILLO-ROTATIF POUR POMPAGE VOLUMÉTRIQUE D'UN FLUIDE

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Application
EP 14749931 A 20140721

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• FR 1357185 A 20130722
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Abstract (en)
[origin: WO2015011384A1] The invention relates to a rotary-oscillating subassembly (1) for volumetrically pumping a fluid, comprising a hollow body (2) defining a cavity (10) through the wall of which two pipes (11, 12) pass, a piston (3) defining, together with said cavity (10), a work chamber (31) and comprising a groove (22) leading longitudinally into said work chamber (31), said piston (3) being angularly movable such as to put said work chamber (31; 131) in fluid communication with one, then neither, then the other one of said pipes (11, 12; 111, 112), and alternately movable in longitudinal translation so as to cause the volume of said work chamber (31) to vary, and consecutively to then deliver said fluid, said piston (3) having a seal (32, 33, 34) formed by at least one sealing bead (32), a sealing half-bead (33), and at least one sealing tab (34) longitudinally connecting said sealing bead (32) to said sealing half-bead (33).

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Citation (search report)
See references of WO 2015011384A1

Cited by
USD1029245S; FR3106865A1; WO2021156574A1; US11771841B2; US11931559B2

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