

Title (en)
VOLUMETRIC PUMP

Title (de)
VOLUMETRISCHE PUMPE

Title (fr)
POMPE VOLUMÉTRIQUE

Publication
EP 3096016 B1 20210407 (EN)

Application
EP 16169752 A 20160516

Priority
IT UB20150780 A 20150520

Abstract (en)
[origin: EP3096016A1] A volumetric pump comprising: i) a drive shaft; ii) a shaft drawing in rotation said drive shaft, said drawing shaft being coaxial with the drive shaft; one from between the drawing shaft and the drive shaft comprising a housing seating of one end of the other; internally of the housing seating, the drawing shaft and the drive shaft comprising in combination a coupling which enables transferring any radial loads from the drawing shaft to the drive shaft; iii) a static support structure of the drive shaft comprising: -a support with respect to which the drive shaft can rotate; -neutralising means of radial loads bearing on the drawing shaft and coinciding substantially with one or more sliding bearings radially interposed between the drive shaft and the support; said one or more sliding bearings comprising at least a first sliding bearing; iv) at least a thrust bearing which axially abuts, directly or indirectly, a first portion of the drawing shaft in order to neutralise axial loads bearing on the drawing shaft.

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