

Title (en)

Piezoelectric pump assembly and pressurised circuit provided therewith

Title (de)

Piezoelektrische Pumpenanordnung und damit versehener Druckkreislauf

Title (fr)

Assemblage de pompes piézoélectriques et circuit sous pression fourni avec celui-ci

Publication

EP 2930363 B1 20200610 (EN)

Application

EP 14164209 A 20140410

Priority

EP 14164209 A 20140410

Abstract (en)

[origin: EP2930363A1] A piezoelectric pump for use in a pressurised circuit is provided, comprising a pump chamber (5) with an inlet (6) provided with a one way inlet valve (7), for connection to a feeding line (8) of the pressurised circuit and an outlet (9) provided with a one way outlet valve (10), for connection to a discharge line (11) of the pressurised circuit and a pump diaphragm (12) closing one end of the pump chamber (5). A pressure chamber (15) is defined at the side of the pump diaphragm (12) facing away from the pump chamber (5), wherein said pressure chamber (15) is connected to a pressure source, which may be the feeding line (8).

IPC 8 full level

F04B 23/06 (2006.01); **F04B 41/06** (2006.01); **F04B 43/04** (2006.01); **F04B 45/047** (2006.01)

CPC (source: EP US)

F04B 23/06 (2013.01 - EP US); **F04B 41/06** (2013.01 - EP US); **F04B 43/046** (2013.01 - EP US); **F04B 45/047** (2013.01 - EP US)

Cited by

EP3348834A1; EP3480460A1; EP4310331A1; US11530696B2

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DOCDB simple family (publication)

EP 2930363 A1 20151014; **EP 2930363 B1 20200610**; DK 2930363 T3 20200907; LT 2930363 T 20210111; US 2015292497 A1 20151015

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