

Title (en)
A free piston type fluid pump

Title (de)
Flüssigkeitspumpe mit freiem Kolben

Title (fr)
Pompe à fluide du type à piston libre

Publication
EP 2921704 A1 20150923 (EN)

Application
EP 14160265 A 20140317

Priority
EP 14160265 A 20140317

Abstract (en)
A free piston type fluid pump comprising a first piston and a second piston interconnected with a torsion body and elastic bending elements, said first piston and said second piston being driven by a first motor and a second motor by applying force in opposite circumferential directions, so that in use the first piston and second piston displace along a displacement direction, wherein the said motors drive the first piston and the second piston in said opposite circumferential directions transversal to the displacement direction, wherein at least one of the first motor and second motor includes an adjustable stator.

IPC 8 full level
F04B 19/00 (2006.01); **F04B 35/04** (2006.01)

CPC (source: EP)
F04B 19/003 (2013.01)

Citation (applicant)
WO 2012161575 A1 20121129 - TNO [NL], et al

Citation (search report)
• [AD] WO 2012161575 A1 20121129 - TNO [NL], et al
• [A] US 3286911 A 19661122 - EDWARD CLARKE MICHAEL
• [A] EP 1903215 A1 20080326 - NITTO KOHKI CO [JP]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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