Title (en)

MICROSYSTEMS FOR COMPRESSING OR FOR CONVERTING A PRESSURE DIFFERENCE INTO A DISPLACEMENT

Title (de)

MIKROSYSTEME ZUR KOMPRIMIERUNG ODER UMWANDLUNG EINER DRUCKDIFFERENZ IN EINE VERSCHIEBUNG

Title (fr)

MICROSYSTEMES DE COMPRESSION OU DE TRANSFORMATION D'UNE DIFFERENCE DE PRESSIONS EN DEPLACEMENT

Publication

EP 2643593 A2 20131002 (FR)

Application

EP 11782169 A 20111116

Priority

- FR 1059587 A 20101122
- EP 2011070248 W 20111116

Abstract (en)

[origin: WO2012069347A2] This microsystem for converting a pressure difference in a fluid into a mechanical displacement comprises at least one reinforcement (70-73) on one side, fixed to at least one plane and, on the other side, fixed or resting slidingly with a distal portion (16, 17) of a part (12, 14) that is mobile to limit its deformation in a transverse direction perpendicular to a longitudinal direction of displacement.

IPC 8 full level

F04C 18/02 (2006.01); **B60C 23/04** (2006.01); **F04C 23/02** (2006.01); **F04C 25/00** (2006.01)

CPC (source: EP US)

B60C 23/04 (2013.01 - EP US); **F04B 7/00** (2013.01 - EP US); **F04C 18/023** (2013.01 - EP US); **F04C 25/00** (2013.01 - EP US); F04C 23/02 (2013.01 - EP US); F04C 2230/10 (2013.01 - EP US); F04C 2240/401 (2013.01 - EP US); F04C 2240/81 (2013.01 - EP US); F04C 2270/15 (2013.01 - EP US)

Citation (search report)

See references of WO 2012069347A2

Citation (examination)

US 2009028728 A1 20090129 - ZAMUDIO CARLOS A [US]

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

DOCDB simple family (publication)

FR 2967713 A1 20120525; **FR 2967713 B1 20121221**; EP 2643593 A2 20131002; JP 2014503731 A 20140213; US 2013259715 A1 20131003; US 9200624 B2 20151201; WO 2012069347 A2 20120531; WO 2012069347 A3 20130530

DOCDB simple family (application)

FR 1059587 A 20101122; EP 11782169 A 20111116; EP 2011070248 W 20111116; JP 2013539241 A 20111116; US 201113988783 A 20111116