

Title (en)
DUAL SYRINGE FLUID PUMP

Title (de)
FLÜSSIGKEITSPUMPE MIT DOPPELSPRITZE

Title (fr)
POMPE POUR FLUIDE À DEUX SERINGUES

Publication
EP 3077021 A1 20161012 (EN)

Application
EP 13811689 A 20131202

Priority
US 2013072610 W 20131202

Abstract (en)
[origin: WO2015084302A1] A dual syringe fluid pump (100, 200, 300, 400) is provided. The dual syringe fluid pump (100, 200, 300, 400) includes a motor (110, 210, 310, 410) with a rotatable shaft (112, 212, 312, 412), a first syringe (120a, 220a, 320a, 420a) with a first syringe plunger (122a, 222a, 322a, 422a) coupled to the rotatable shaft (112, 212, 312, 412), and a second syringe (120b, 220b, 320b, 420b) with a second syringe plunger (122b, 222b, 322b, 422b) coupled to the rotatable shaft (112, 212, 312, 412). The motor (110, 210, 310, 410) rotates the rotatable shaft (112, 212, 312, 412) to simultaneously move the first syringe plunger (122a, 222a, 322a, 422a) and the second syringe plunger (122b, 222b, 322b, 422b) and at least one of the syringes (120a,b, 220a,b, 320a,b, 420a,b) is adapted to convert the rotation of the rotatable shaft (112, 212, 312, 412) to a linear movement of at least one of the syringe plungers (122a,b, 222a,b, 322a,b, 422a,b).

IPC 8 full level
A61M 5/142 (2006.01)

CPC (source: EP US)
A61M 5/1422 (2013.01 - EP US); **A61M 5/14546** (2013.01 - EP US); **B65B 3/003** (2013.01 - US); **B65B 3/12** (2013.01 - US); **F04B 1/02** (2013.01 - US); **F04B 13/00** (2013.01 - US); **F04B 17/03** (2013.01 - US); **F04B 23/02** (2013.01 - US); **A61M 2005/14533** (2013.01 - EP US)

Citation (search report)
See references of WO 2015084302A1

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

DOCDB simple family (publication)
WO 2015084302 A1 20150611; CN 105939738 A 20160914; EP 3077021 A1 20161012; US 2017021951 A1 20170126

DOCDB simple family (application)
US 2013072610 W 20131202; CN 201380082006 A 20131202; EP 13811689 A 20131202; US 201315038815 A 20131202