

Title (en)
METERING PUMP

Title (de)
DOSIERPUMPE

Title (fr)
POMPE DE DOSAGE

Publication
EP 3014120 A4 20170315 (EN)

Application
EP 14817559 A 20140623

Priority
• NO 20130896 A 20130628
• NO 2014050109 W 20140623

Abstract (en)
[origin: WO2014209128A1] A metering pump (1) including at least a first piston (4) and a second piston (6) which are displaceable in a first cylinder bore (10) and in a second cylinder bore (12), respectively, the at least two pistons (4, 6) having a common driving device (30), and the second piston (6) being displaceably connected to and displaced with the first piston (4) for a portion of the stroke length of the first piston (4).

IPC 8 full level
F04B 5/00 (2006.01); **B01F 25/70** (2022.01); **F02D 19/06** (2006.01); **F02D 19/08** (2006.01); **F02M 43/02** (2006.01); **F02M 59/02** (2006.01); **F04B 1/02** (2006.01); **F04B 13/02** (2006.01)

CPC (source: EP US)
B01F 23/45 (2022.01 - EP US); **B01F 35/831** (2022.01 - EP US); **F02D 19/0652** (2013.01 - EP US); **F02D 19/0655** (2013.01 - EP US); **F02D 19/0684** (2013.01 - EP US); **F02D 19/081** (2013.01 - EP US); **F02M 43/02** (2013.01 - EP US); **F02M 59/02** (2013.01 - EP US); **F04B 1/02** (2013.01 - EP US); **F04B 1/128** (2013.01 - US); **F04B 1/143** (2013.01 - US); **F04B 1/16** (2013.01 - US); **F04B 1/28** (2013.01 - US); **F04B 5/00** (2013.01 - EP US); **F04B 13/02** (2013.01 - EP US); **Y02T 10/30** (2013.01 - EP US)

Citation (search report)
• [X] US 4349130 A 19820914 - BAIR SCOTT S
• [X] US 4076465 A 19780228 - PAULIUKONIS RICHARD S
• [X] US 4463706 A 19840807 - MEISTER JACK B [US], et al
• [A] US 2009236367 A1 20090924 - VOSKUIL MARK [NL], et al
• See references of WO 2014209128A1

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)
WO 2014209128 A1 20141231; EP 3014120 A1 20160504; EP 3014120 A4 20170315; NO 20130896 A1 20141229; NO 335905 B1 20150323; US 2016146198 A1 20160526

DOCDB simple family (application)
NO 2014050109 W 20140623; EP 14817559 A 20140623; NO 20130896 A 20130628; US 201414899373 A 20140623