

Title (en)

PISTON PUMP AND METHOD FOR OPERATING A PISTON PUMP

Title (de)

KOLBENPUMPE UND VERFAHREN ZUM BETRIEB EINER KOLBENPUMPE

Title (fr)

POMPE À PISTON ET PROCÉDÉ POUR FAIRE FONCTIONNER UNE POMPE À PISTON

Publication

EP 3894701 A1 20211020 (DE)

Application

EP 19821036 A 20191203

Priority

- DE 102018132270 A 20181214
- DE 102018132309 A 20181214
- EP 2019083534 W 20191203

Abstract (en)

[origin: WO2020120234A1] The invention relates to a method for operating a piston pump comprising: a differential cylinder drive (1) having at least two differential cylinders (2, 3) for driving at least two delivery pistons that can move in delivery cylinders, wherein each delivery piston is driven via an associated differential cylinder (2, 3) of the differential cylinder drive (1) in order to operate the piston pump; and a hydraulic circuit (4) for driving the differential cylinder drive (1) by supplying hydraulic fluid. Moreover, the invention relates to a piston pump for carrying out the method.

IPC 8 full level

F04B 9/109 (2006.01); **F04B 15/02** (2006.01)

CPC (source: EP US)

F04B 1/02 (2013.01 - US); **F04B 9/109** (2013.01 - EP US); **F04B 15/02** (2013.01 - EP US); **F04B 15/023** (2013.01 - EP); **F04B 17/00** (2013.01 - US)

Citation (search report)

See references of WO 2020120234A1

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 2020120234 A1 20200618; EP 3894701 A1 20211020; EP 3894701 B1 20240522; US 11891987 B2 20240206; US 2022025874 A1 20220127

DOCDB simple family (application)

EP 2019083534 W 20191203; EP 19821036 A 20191203; US 201917413814 A 20191203