

Title (en)
DOUBLE MEMBRANE PUMP

Title (de)
DOPPELMEMBRANPUMPE

Title (fr)
POMPE À DOUBLE DIAPHRAGME

Publication
EP 3851674 B1 20230823 (DE)

Application
EP 21152179 A 20210118

Priority
CH 622020 A 20200120

Abstract (en)
[origin: JP2021113557A] To further develop a double diaphragm pump that comprises a mechanical drive mechanism with a pump housing 10, the pump housing having at least one suction connection part 72, at least one discharge connection part 82, a first diaphragm chamber 40 and a second diaphragm chamber 50. SOLUTION: A mechanical drive mechanism has a drive piston 120, a ball joint 112 that can be housed in the drive piston, and a housing 100 that can be coupled to the ball joint. The housing is configured to be coupled to an output shaft 20 of the drive unit, which is configured as an eccentric shaft. SELECTED DRAWING: Figure 2

IPC 8 full level
F04B 43/02 (2006.01)

CPC (source: CH EP)
F04B 9/045 (2013.01 - CH); **F04B 43/025** (2013.01 - EP); **F04B 43/026** (2013.01 - CH EP)

Citation (examination)
US 2918878 A 19591229 - ZIEG CLIFFORD V, et al

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)
EP 3851674 A1 20210721; EP 3851674 B1 20230823; CH 717057 A1 20210730; JP 2021113557 A 20210805

DOCDB simple family (application)
EP 21152179 A 20210118; CH 622020 A 20200120; JP 2020209118 A 20201217