

Title (en)
DOUBLE-HOSE-DIAPHRAGM PUMP

Title (de)
DOPPEL-SCHLAUCHMEMBRAN-PROZESSPUMPE

Title (fr)
POMPE DE TUYAU-DIAPHRAGME DOUBLE

Publication
EP 2681451 A1 20140108 (DE)

Application
EP 12721726 A 20120302

Priority
• DE 102011001087 A 20110304
• DE 2012100053 W 20120302

Abstract (en)
[origin: WO2012119597A1] The invention relates to a double hose-diaphragm process pump comprising feed valves disposed in cassettes. In order to simplify and speed up the dismantling of the feed valves in double hose-diaphragm process pumps, according to the invention a pivoting device is provided, to which the feed valves are each connected and about which the feed valves are pivotable in a hinge-like manner out of an operating position, in which said valves are axially centred in the cassette, into a maintenance position, in which said valves are pivoted out of the cassette. A hydraulically activated tensioning device is provided for pretensioning the feed valve(s) in the operating position to the necessary sealing pressure. In the maintenance position for example a valve inspection or a replacement of parts of the feed valves or the entire feed valves can take place. The tensioning device enables the feed valves to be pretensioned in an axially defined manner in the operating position so that the necessary sealing pressure is attained. Then the respective feed valve is fixed in said position, for example by means of adjusting screws.

IPC 8 full level
F04B 43/08 (2006.01); **F04B 43/107** (2006.01); **F04B 43/113** (2006.01)

CPC (source: EP)
F04B 43/084 (2013.01); **F04B 43/107** (2013.01); **F04B 43/113** (2013.01)

Citation (search report)
See references of WO 2012119597A1

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)
DE 102011001087 A1 20120906; EP 2681451 A1 20140108; EP 2681451 B1 20151028; WO 2012119597 A1 20120913

DOCDB simple family (application)
DE 102011001087 A 20110304; DE 2012100053 W 20120302; EP 12721726 A 20120302