

Title (en)

METHOD FOR OPERATING A DOUBLE-ACTING PISTON PUMP, DOUBLE-ACTING PISTON PUMP AND APPLICATION SYSTEM FOR APPLYING A FLUID MEDIUM TO A SUBSTRATE

Title (de)

VERFAHREN ZUM BETREIBEN EINER DOPPELTWIRKENDEN KOLBENPUMPE, DOPPELTWIRKENDE KOLBENPUMPE SOWIE AUFTRAGSSYSTEMS ZUM AUFTRAGEN EINES FLIESSFÄHIGEN MEDIUMS AUF EIN SUBSTRAT

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE POMPE À PISTON À DOUBLE ACTION, POMPE À PISTON À DOUBLE ACTION AINSI QUE SYSTÈME D'APPLICATION PERMETTANT D'APPLIQUER UN MILIEU FLUIDE À UN SUBSTRAT

Publication

EP 3904679 B1 20240501 (DE)

Application

EP 20172294 A 20200430

Priority

EP 20172294 A 20200430

Abstract (en)

[origin: CN113578688A] The invention relates to a method for operating a double-action piston pump of an application system for applying a fluid medium to a substrate, wherein the piston pump has a piston which is movable between a first reversal point and a second reversal point for delivering the fluid medium, wherein on reaching the first reversal point and the second reversal point, the movement direction of the piston is reversed, wherein during an output period, the fluid medium is output by means of an output device, and during an interruption period, an output of the fluid medium by means of the output device is interrupted, wherein during the interruption period, the movement direction of the piston is reversed, wherein on reversal of the movement direction during the interruption period, the piston is situated at an intermediate position between the first reversal point and the second reversal point. In addition, the invention also relates to a double-action piston pump and a coating system.

IPC 8 full level

F04B 5/02 (2006.01); **B05C 5/02** (2006.01); **B05C 11/10** (2006.01); **F04B 9/133** (2006.01); **F04B 11/00** (2006.01); **F04B 15/02** (2006.01); **F04B 49/06** (2006.01)

CPC (source: CN EP US)

B05C 5/02 (2013.01 - US); **B05C 11/1002** (2013.01 - CN US); **F04B 5/02** (2013.01 - EP); **F04B 9/133** (2013.01 - EP US); **F04B 11/0041** (2013.01 - EP); **F04B 15/02** (2013.01 - EP); **F04B 49/065** (2013.01 - EP); **B05C 5/02** (2013.01 - EP); **B05C 11/10** (2013.01 - EP); **B05C 11/1042** (2013.01 - EP); **F04B 49/065** (2013.01 - US); **F04B 2201/0201** (2013.01 - EP US); **F04B 2201/0202** (2013.01 - EP US)

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 3904679 A1 20211103; **EP 3904679 B1 20240501**; CN 113578688 A 20211102; EP 4219942 A1 20230802; US 11766693 B2 20230926; US 12005470 B2 20240611; US 2021340964 A1 20211104; US 2023372963 A1 20231123

DOCDB simple family (application)

EP 20172294 A 20200430; CN 202110483238 A 20210430; EP 23168193 A 20200430; US 202117244879 A 20210429; US 202318231123 A 20230807