

Title (en)
PUMP WITH SCRAPING FINGER

Title (de)
PUMPE MIT ABSTREIF-FINGER

Title (fr)
POMPE A DOIGT

Publication
EP 3530960 B1 20220216 (FR)

Application
EP 19158280 A 20190220

Priority
FR 1870195 A 20180222

Abstract (en)
[origin: US2019257320A1] In this pump, the angle between the imaginary tangent plane to the lip and passing through the axis and an imaginary straight line, perpendicular to the axis and passing through the point furthest from the axis of intersection of the upper surface of a finger with the lateral leading surface of this finger, is between 110 and 140°.

IPC 8 full level
F04D 29/42 (2006.01); **F04D 7/04** (2006.01); **F04D 29/44** (2006.01)

CPC (source: CN EP KR US)
F04D 1/04 (2013.01 - US); **F04D 7/045** (2013.01 - CN EP KR US); **F04D 29/426** (2013.01 - CN KR); **F04D 29/4293** (2013.01 - EP US); **F04D 29/445** (2013.01 - EP US); **F05D 2250/52** (2013.01 - EP US)

Cited by
EP4394188A3

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 3530960 A1 20190828; EP 3530960 B1 20220216; AU 2019200954 A1 20190905; BR 102019003250 A2 20190910; BR 102019003250 B1 20240116; CA 3032955 A1 20190822; CN 110185655 A 20190830; CN 110185655 B 20220617; EP 4006356 A1 20220601; EP 4006356 B1 20241016; FR 3078116 A1 20190823; FR 3078116 B1 20210910; JP 2019143630 A 20190829; KR 20190101291 A 20190830; PL 3530960 T3 20220613; RU 2019104420 A 20200818; SA 119400481 B1 20211213; US 10895267 B2 20210119; US 2019257320 A1 20190822; US 2021040957 A1 20210211; ZA 201901050 B 20240731

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EP 19158280 A 20190220; AU 2019200954 A 20190212; BR 102019003250 A 20190218; CA 3032955 A 20190207; CN 201910130044 A 20190221; EP 21213941 A 20190220; FR 1870195 A 20180222; JP 2019029708 A 20190221; KR 20190018940 A 20190219; PL 19158280 T 20190220; RU 2019104420 A 20190218; SA 119400481 A 20190221; US 201916276309 A 20190214; US 202017082206 A 20201028; ZA 201901050 A 20190219