

Title (en)
CENTRIFUGAL PUMP IN PARTICULAR FOR WASTE WATER OR POLLUTED WATER

Title (de)
KREISELPUMPE INSBESONDERE FÜR ABWASSER ODER SCHMUTZWASSER

Title (fr)
POMPE CENTRIFUGE, EN PARTICULIER POUR EAUX USÉES OU EAUX GRASSES

Publication
EP 2929191 B1 20200715 (DE)

Application
EP 13805772 A 20131202

Priority
• DE 102012023734 A 20121205
• EP 2013003626 W 20131202

Abstract (en)
[origin: WO2014086472A1] The invention relates to a centrifugal pump, in particular a waste water submersible pump having an impeller (1), of which the end face facing the pump intake opening is open and only the end face of the impeller facing away from the intake opening (8) is covered by a circular coaxial impeller hub (2), on which the curved vanes (3, 4) are fastened, and in particular moulded on, wherein the base plate (7) having the intake opening (8) facing the impeller (1) or at least one segment (7a) of the base plate is mounted so as to be movable against spring pressure (20) in such a way that the distance thereof from the impeller (1) and thus from the impeller vanes (3, 4) changes.

IPC 8 full level
F04D 7/04 (2006.01); **F04D 13/08** (2006.01); **F04D 15/00** (2006.01); **F04D 29/62** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP US)
F04D 1/00 (2013.01 - US); **F04D 7/02** (2013.01 - US); **F04D 7/04** (2013.01 - EP US); **F04D 13/08** (2013.01 - EP US);
F04D 15/0033 (2013.01 - EP US); **F04D 29/30** (2013.01 - US); **F04D 29/426** (2013.01 - US); **F04D 29/466** (2013.01 - US);
F04D 29/622 (2013.01 - EP US); **F04D 29/708** (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)
DE 102012023734 A1 20140605; CN 104903584 A 20150909; CN 104903584 B 20170714; EP 2929191 A1 20151014;
EP 2929191 B1 20200715; US 2015292519 A1 20151015; US 9869326 B2 20180116; WO 2014086472 A1 20140612

DOCDB simple family (application)
DE 102012023734 A 20121205; CN 201380069643 A 20131202; EP 13805772 A 20131202; EP 2013003626 W 20131202;
US 201314646305 A 20131202