

Title (en)
Diffuser for an impeller pump and impeller pump

Title (de)
Leitrad für eine Impellerpumpe und Impellerpumpe

Title (fr)
Roue directrice pour une pompe et pompe

Publication
EP 2628958 A3 20140108 (DE)

Application
EP 13154757 A 20130211

Priority
DE 102012202491 A 20120217

Abstract (en)
[origin: EP2628958A2] The stator (25) has a base (27) which is annularly rotated about a central longitudinal axis for arrangement in a pump chamber of impeller pump. The outwardly projecting blades (29) are arranged at pitch relative to the longitudinal axis on a radially outer side of the base such that blades overlap each other along circumferential direction of the base. A projection or thickener portion (32) is formed in blade at outer edge (30). An independent claim is included for impeller pump.

IPC 8 full level
F04D 29/44 (2006.01)

CPC (source: EP US)
F04D 29/18 (2013.01 - US); **F04D 29/448** (2013.01 - EP US)

Citation (search report)

- [XAI] EP 1219838 A2 20020703 - CALPEDA A SPA [IT]
- [A] DE 102010038686 A1 20120202 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] EP 0341553 A1 19891115 - ALSTHOM [FR]
- [A] DE 2446512 A1 19760401 - KLEIN SCHANZLIN & BECKER AG

Cited by
CN110513325A; EP4140386A4; WO2015145386A1; WO2016071118A1; US10533149B2; US11879479B2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2628958 A2 20130821; EP 2628958 A3 20140108; BR 102013003517 A2 20150714; CN 103557156 A 20140205;
CN 103557156 B 20170301; DE 102012202491 B3 20130808; MX 2013001561 A 20130826; US 2013216370 A1 20130822;
US 9388822 B2 20160712

DOCDB simple family (application)
EP 13154757 A 20130211; BR 102013003517 A 20130215; CN 201310180097 A 20130217; DE 102012202491 A 20120217;
MX 2013001561 A 20130207; US 201313766324 A 20130213