

Title (en)
FLUID MACHINE EQUIPPED WITH DIFFUSER

Title (de)
MIT EINEM DIFFUSOR AUSGESTATTETE FLUIDMASCHINE

Title (fr)
MACHINE À FLUIDE ÉQUIPÉE D'UN DIFFUSEUR

Publication
EP 3279479 A4 20181212 (EN)

Application
EP 16772517 A 20160324

Priority
• JP 2015068481 A 20150330
• JP 2016059302 W 20160324

Abstract (en)
[origin: EP3279479A1] In a fluid machine, there is provided each diffuser flow passage for making uniform a flow in a downstream of a diffuser. The fluid machine is provided, and it has the diffuser for converting kinetic energy of a fluid into pressure energy. The diffuser has first and second diffuser flow passages configured so that the fluid passes through them, and shapes of the first and second diffuser flow passages are different from each other.

IPC 8 full level
F04D 29/44 (2006.01); **F04D 1/08** (2006.01)

CPC (source: EP US)
F04D 1/06 (2013.01 - EP US); **F04D 29/22** (2013.01 - US); **F04D 29/445** (2013.01 - US); **F04D 29/448** (2013.01 - EP US); **F04D 29/043** (2013.01 - US); **F05D 2250/52** (2013.01 - EP US)

Citation (search report)
• [X] DE 3912279 A1 19901018 - KLEIN SCHANZLIN & BECKER AG [DE]
• [XY] DE 4418662 A1 19951130 - GRUNDFOS AS [DK]
• [Y] US 2007274828 A1 20071129 - FUKUKI HARUMI [JP]
• See references of WO 2016158636A1

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 3279479 A1 20180207; **EP 3279479 A4 20181212**; CN 107949705 A 20180420; CN 107949705 B 20200317; JP 6706248 B2 20200603; JP WO2016158636 A1 20180125; US 2018080471 A1 20180322; WO 2016158636 A1 20161006

DOCDB simple family (application)
EP 16772517 A 20160324; CN 201680021211 A 20160324; JP 2016059302 W 20160324; JP 2017509854 A 20160324; US 201615563361 A 20160324