

Title (en)
COMPRESSOR IMPELLER AND METHOD FOR MANUFACTURING SAME

Title (de)
VERDICHTERLAUFRAD UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
ROUET CENTRIFUGE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3369938 A4 20181205 (EN)

Application
EP 16884910 A 20160114

Priority
JP 2016050923 W 20160114

Abstract (en)
[origin: EP3369938A1] A compressor impeller includes: a hub; and a blade group including a plurality of blades arranged along a circumferential direction on an outer peripheral surface of the hub, the blade group being configured such that hub-side ends of leading edges of the respective blades are aligned on the same circle. The plurality of blades include at least one first blade and at least one second blade having a different shape from the at least one first blade. When comparing a blade angle of a leading edge of the at least one first blade to a blade angle of a leading edge of the at least one second blade at the same position in a radial direction of the compressor impeller, the blade angle of the leading edge of the at least one first blade is different from the blade angle of the leading edge of the at least one second blade, at least in a partial range in the radial direction of the compressor impeller.

IPC 8 full level
F04D 29/30 (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F04D 29/284 (2013.01 - EP US); **F04D 29/30** (2013.01 - EP US); **F04D 29/66** (2013.01 - US); **F04D 29/666** (2013.01 - EP US); **F05D 2240/303** (2013.01 - EP); **F05D 2240/307** (2013.01 - EP)

Citation (search report)

- [X1] US 2013202444 A1 20130808 - WUNDERER ROLAND [DE]
- [X1] US 2009191047 A1 20090730 - SCHLINKER ROBERT HANS [US], et al
- [A] JP S58128243 A 19830730 - NIPPON LIGHT METAL CO
- See references of WO 2017122307A1

Cited by
WO2020251448A1

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 3369938 A1 20180905; **EP 3369938 A4 20181205**; **EP 3369938 B1 20191204**; CN 108603513 A 20180928; CN 108603513 B 20200825; JP 6559805 B2 20190814; JP WO2017122307 A1 20180705; US 2018266442 A1 20180920; WO 2017122307 A1 20170720

DOCDB simple family (application)
EP 16884910 A 20160114; CN 201680069375 A 20160114; JP 2016050923 W 20160114; JP 2017561451 A 20160114; US 201615779114 A 20160114