

Title (en)
COMPRESSOR STAGE

Title (de)
VERDICHTERSTUFE

Title (fr)
ÉTAGE DE COMPRESSEUR

Publication
EP 3084227 A1 20161026 (DE)

Application
EP 14830948 A 20141216

Priority
• DE 102013020825 A 20131217
• DE 102014001998 A 20140217
• EP 2014003377 W 20141216

Abstract (en)
[origin: WO2015090566A1] A compressor stage (10), having a stator-side intake connector via which medium for compression in the region of the compressor stage can be introduced into the compressor stage, having a stator-side inflow duct (11) via which the medium for compression can be conveyed from the intake connector in the direction of a rotor-side impeller (14), wherein the impeller (14) has a radially inner hub (16), a radially outer cover disk (17) and impeller blades (18) which extend between the hub (16) and the cover disk (17), wherein for measurement of the effective pressure at the compressor stage, there is provided at the latter a plus measurement point and a minus measurement point, wherein the minus measurement point is positioned upstream of the impeller (14), outside the stator-side inflow duct (11), in an annular gap (24) which branches off from the inflow duct (11).

IPC 8 full level
F04D 27/00 (2006.01); **F04D 17/12** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP RU US)
F04D 17/10 (2013.01 - EP US); **F04D 27/001** (2013.01 - EP US); **F04D 29/162** (2013.01 - EP US); **F04D 29/4213** (2013.01 - EP US); **F04D 27/00** (2013.01 - RU); **F05B 2240/14** (2013.01 - US); **F05B 2240/20** (2013.01 - US); **F05B 2270/3011** (2013.01 - US); **F05B 2270/3015** (2013.01 - US); **F05D 2270/3011** (2013.01 - EP US); **F05D 2270/3015** (2013.01 - EP US)

Citation (search report)
See references of WO 2015090566A1

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)
DE 102014001998 A1 20150618; CN 105814317 A 20160727; CN 105814317 B 20181012; EP 3084227 A1 20161026; EP 3084227 B1 20181031; RU 2634648 C1 20171102; US 10519975 B2 20191231; US 2016319838 A1 20161103; WO 2015090566 A1 20150625

DOCDB simple family (application)
DE 102014001998 A 20140217; CN 201480069070 A 20141216; EP 14830948 A 20141216; EP 2014003377 W 20141216; RU 2016128657 A 20141216; US 201415105041 A 20141216