

Title (en)

COMPRESSOR IMPELLER WITH CURVED RIBS ON THE BACK SIDE OF THE BACKPLATE

Title (de)

VERDICHTERRAD MIT GEKRÜMMTEN RIPPEN AUF DER RÜCKSEITE DER RADSCHIEBE

Title (fr)

ROUET DE COMPRESSEUR AVEC NERVURES COURBÉES SUR LA FACE ARRIÈRE DU DISQUE DU ROUET

Publication

EP 3366926 B1 20201202 (EN)

Application

EP 18156653 A 20180214

Priority

US 201762462070 P 20170222

Abstract (en)

[origin: EP3366926A1] A compressor wheel includes a hub, blades, and ribs. The hub has a primary side and a back side. The blades are on the primary side of the hub. The ribs are on the back side of the hub. The ribs curve forward in a direction of rotation moving radially outward relative to an axis of the hub. The hub, the blades, and the ribs are integrally formed of a composite material.

IPC 8 full level

F04D 29/02 (2006.01); **F04D 29/28** (2006.01)

CPC (source: CN EP KR US)

F04D 17/10 (2013.01 - KR); **F04D 29/023** (2013.01 - CN EP US); **F04D 29/266** (2013.01 - US); **F04D 29/284** (2013.01 - CN EP KR US); **F04D 29/30** (2013.01 - KR); **F01D 5/048** (2013.01 - US); **F01D 5/282** (2013.01 - US); **F05B 2280/6003** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US)

Cited by

WO2020048730A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3366926 A1 20180829; **EP 3366926 B1 20201202**; CN 108457896 A 20180828; JP 2018135885 A 20180830; KR 20180097164 A 20180830; US 2018238339 A1 20180823

DOCDB simple family (application)

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