

Title (en)
WHEEL DISC ASSEMBLY

Title (de)
RADSCHIEBENANORDNUNG

Title (fr)
AGENCEMENT DE DISQUE DE ROUET

Publication
EP 3167163 B1 20180711 (DE)

Application
EP 15778914 A 20151008

Priority

- EP 14191068 A 20141030
- EP 2015073261 W 20151008

Abstract (en)
[origin: WO2016066394A1] The invention relates to a wheel disc arrangement (1; 16) having a wheel disc (2; 17), having multiple vane devices which are fastened along an outer circumference of the wheel disc (2; 17), having at least one sealing plate (3; 18) which is received between the wheel disc (2; 17) and the vane devices so as to be displaceable in a circumferential direction, and having at least one securing device (6; 21) which is designed so as to secure the sealing plate (3; 18) against a displacement in the circumferential direction, wherein the securing device (6; 21) has a bolt (8; 24), which extends through a passage opening (7; 22) provided in the sealing plate (3; 18), and a recess (9; 25), which is provided on the wheel disc (2; 17) or on a vane device, which recess receives the free end of the bolt (8; 24) and the wall of which recess limits a movement of the bolt (8; 24) in the circumferential direction, wherein the bolt (8; 24) is, in an axial direction, secured on the sealing plate (3; 18) against undesired release by way of a detent connection.

IPC 8 full level
F01D 5/30 (2006.01)

CPC (source: EP US)
F01D 5/02 (2013.01 - US); **F01D 5/3015** (2013.01 - EP US); **F01D 5/32** (2013.01 - US); **F01D 11/006** (2013.01 - US);
F05D 2220/32 (2013.01 - US); **F05D 2230/64** (2013.01 - EP US); **F05D 2260/30** (2013.01 - US); **F05D 2260/36** (2013.01 - EP US)

Cited by
EP3564489A1; WO2019211091A1; US11319824B2

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 3015656 A1 20160504; EP 3167163 A1 20170517; EP 3167163 B1 20180711; US 2017241284 A1 20170824; WO 2016066394 A1 20160506

DOCDB simple family (application)
EP 14191068 A 20141030; EP 15778914 A 20151008; EP 2015073261 W 20151008; US 201515519721 A 20151008