

Title (en)

WHEEL DISC ASSEMBLY AND METHOD FOR MOUNTING A WHEEL DISC ASSEMBLY

Title (de)

RADSCHIEBENANORDNUNG UND VERFAHREN ZUR MONTAGE EINER RADSCHIEBENANORDNUNG

Title (fr)

AGENCEMENT DE DISQUE DE ROUE ET PROCÉDÉ DE MONTAGE D'UN AGENCEMENT DE DISQUE DE ROUE

Publication

EP 3090135 B1 20170913 (DE)

Application

EP 15741879 A 20150331

Priority

- EP 14166363 A 20140429
- EP 2015057053 W 20150331
- EP 15741879 A 20150331

Abstract (en)

[origin: WO2015165678A2] The invention relates to a wheel disk assembly (1; 14; 26), comprising a wheel disk (2; 15; 27), a plurality of blade devices (3; 16; 28), which are fastened along the outer circumference of the wheel disk (2; 15; 27), and a plurality of sealing plates (4; 17; 29), which are retained in two annular grooves (5; 6; 18; 19; 30; 31) radially spaced apart from each other, the first annular groove (5; 18; 30) being provided in the wheel disk (2; 15; 27) and being bounded axially outward by an annular projection (7; 20; 32), and the second annular groove (6; 19; 31) being defined by a plurality of annular-groove segments arranged adjacently, which are provided in the individual blade devices (3; 16; 28), characterized in that at least one opening (8; 21; 33) extending axially through the annular projection (7; 20; 32) is provided, the minimum width of which opening in the circumferential direction is greater than the width of the sealing plates (4; 17; 29) at the inside diameter such that a sealing plate (4; 17; 29) can be axially inserted between the annular grooves (5; 6; 19; 19; 30; 31) through the opening (8; 21; 33) and can be moved in the circumferential direction while guided by the annular grooves. The invention further relates to a method for assembling such a wheel disk assembly.

IPC 8 full level

F01D 5/30 (2006.01); **F01D 5/32** (2006.01); **F01D 11/00** (2006.01)

CPC (source: CN EP US)

F01D 5/3015 (2013.01 - CN EP US); **F01D 5/326** (2013.01 - CN EP US); **F01D 11/006** (2013.01 - CN EP US); **F05D 2230/60** (2013.01 - EP US); **F05D 2260/30** (2013.01 - CN); **F05D 2260/31** (2013.01 - CN); **F05D 2260/36** (2013.01 - CN)

Cited by

EP3511524A1; 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 2940249 A1 20151104; CN 106460531 A 20170222; CN 106460531 B 20180327; EP 3090135 A2 20161109; EP 3090135 B1 20170913; JP 2017515038 A 20170608; JP 6286582 B2 20180228; US 2017037736 A1 20170209; WO 2015165678 A2 20151105; WO 2015165678 A3 20151223

DOCDB simple family (application)

EP 14166363 A 20140429; CN 201580023403 A 20150331; EP 15741879 A 20150331; EP 2015057053 W 20150331; JP 2016565346 A 20150331; US 201515304591 A 20150331