

Title (en)

Rotor wheel for a turbomachine and assembly method therefor

Title (de)

Schaufelrad für eine Turbomaschine und Methode zur Montage der Schaufeln auf der Nabe

Title (fr)

Roue de turbine pour turbomachine et procédé de montage d'une telle roue

Publication

**EP 1517004 B1 20141217 (FR)**

Application

**EP 04104494 A 20040916**

Priority

FR 0350576 A 20030919

Abstract (en)

[origin: EP1517004A1] The wheel (1) has a turbine disk (4) comprising an upstream flange (14a) and a downstream flange (14b), both extending around a main longitudinal axis (2). One of the flanges is conceived in an elastic manner such that the flanges pass from spaced apart position to assembled position and vice-versa, respectively by exerting pressure on the flanges and by releasing the exerted pressure. An independent claim is also included for a method for assembling a turbine wheel.

IPC 8 full level

**F01D 5/00** (2006.01); **F01D 5/02** (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP US)

**F01D 5/00** (2013.01 - EP US); **F01D 5/3023** (2013.01 - EP US); **F01D 5/3046** (2013.01 - EP US); **F01D 5/3069** (2013.01 - EP US)

Cited by

FR2901305A1; WO2018100160A1

Designated contracting state (EPC)

DE FR GB

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**EP 1517004 A1 20050323**; **EP 1517004 B1 20141217**; FR 2860031 A1 20050325; FR 2860031 B1 20070907; JP 2005098300 A 20050414; JP 4058030 B2 20080305; US 2005106019 A1 20050519; US 7134843 B2 20061114

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**EP 04104494 A 20040916**; FR 0350576 A 20030919; JP 2004269316 A 20040916; US 93742604 A 20040910