

Title (en)

Rotor drum of an axial turbomachine and corresponding turbomachine

Title (de)

Rotortrommel einer axialen Turbomaschine und zugehörige Turbomaschine

Title (fr)

Tambour de rotor de turbomachine axiale et turbomachine associée

Publication

EP 2762681 B1 20170906 (FR)

Application

EP 13153799 A 20130204

Priority

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Abstract (en)

[origin: EP2762681A1] The drum has a wall (30) rotated about a rotation axis (14) of a rotor, where the wall forms an annular body (36). A row of rotor blades (24) comprises two annular retaining surfaces (38, 42) that are arranged on an outer surface of the wall. The retaining surfaces are diverged from one another to form a profile, where the profile is radially outwards from the outer surface of the wall. The wall is extended in a straight line along the two retaining surfaces between upstream and downstream ribs (32).

IPC 8 full level

F01D 5/30 (2006.01); **F01D 5/02** (2006.01); **F01D 5/06** (2006.01); **F01D 11/02** (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP RU US)

F01D 5/06 (2013.01 - RU); **F01D 5/066** (2013.01 - EP US); **F01D 5/3046** (2013.01 - EP RU US); **F01D 11/02** (2013.01 - RU); **F01D 5/02** (2013.01 - EP US); **F01D 5/06** (2013.01 - EP US); **F01D 11/02** (2013.01 - EP US); **F01D 11/122** (2013.01 - EP US); **F05D 2250/38** (2013.01 - EP US)

Cited by

FR3039225A1; WO2016059338A1; US10677074B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2762681 A1 20140806; **EP 2762681 B1 20170906**; CA 2841344 A1 20140804; CN 103967840 A 20140806; CN 103967840 B 20181218; RU 2014103113 A 20150810; RU 2651697 C2 20180423; US 2014219803 A1 20140807; US 9739150 B2 20170822

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