

Title (en)

Rotor shaft, in particular for a gas turbine

Title (de)

Rotorwelle, insbesondere für eine Gasturbine

Title (fr)

Arbre de rotor, particulièrement pour une turbine à gaz

Publication

EP 1705339 B1 20161130 (DE)

Application

EP 06110741 A 20060307

Priority

CH 5042005 A 20050323

Abstract (en)

[origin: EP1705339A2] Cooling air channels (14) are formed within the turbine section (12) of a drive shaft (10) and between turbine disks (13) around the turbine section. Each of the cooling air channels radiates outward from a cavity (15) around the cooling air supply channel (16) within the drive shaft and is of an elliptical cross-section. The major and minor axes of each cooling air channel runs perpendicular and parallel to the drive shaft axis, respectively.

IPC 8 full level

F01D 5/08 (2006.01)

CPC (source: EP US)

F01D 5/081 (2013.01 - EP US); **F05D 2250/14** (2013.01 - EP US)

Cited by

EP2837769A1; EP3205817A1; WO2011054758A1; US8517676B2; EP2189233A1; US8281486B2; US11105205B2

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EP 1705339 A2 20060927; EP 1705339 A3 20131106; EP 1705339 B1 20161130; US 2007086884 A1 20070419; US 7329086 B2 20080212

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