

Title (en)

Cooling of the shroud in a gas turbine

Title (de)

Plattformkühlung für Gasturbinen

Title (fr)

Refroidissement de la platte-forme dans les turbines à gas

Publication

EP 0902164 B1 20030402 (DE)

Application

EP 97810660 A 19970915

Priority

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Abstract (en)

[origin: EP0902164A1] The blade mounting in a gas turbine has cowl sections (40) which separate the blade mounting from the combustion chamber and form gas ducts (36). The ducts carry cooling gas flows, tangentially over the mounting platform (34) of each blade. Additional cooling ducts (42) are bored through the cowl supports and into the mounting platform. The ducts are either of constant diameter or can be tapered. The end of the cowl support is lipped in the direction of the mounting platform.

IPC 1-7

F01D 5/08

IPC 8 full level

F01D 5/08 (2006.01)

CPC (source: EP US)

F01D 5/08 (2013.01 - EP US); **F01D 9/04** (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); **F05B 2240/801** (2013.01 - US); **F05D 2240/81** (2013.01 - EP)

Cited by

EP2754858A1; DE102014221783A1; EP1985806A1; EP1607580A3; EP1749967A3; DE102019211418A1; EP2871323A1; US8672612B2; US9790799B2; US7648333B2; WO2009019282A3; WO2009083456A3; WO2008132082A1; WO2021018495A1; US7637716B2; EP1607580A2; US11879346B2; US8132417B2; WO2009019282A2; US8783044B2; US9074488B2

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