

Title (en)
COOLING SYSTEM FOR A TURBINE BLADE

Title (de)
KÜHLSYSTEM FÜR EINE TURBINENSCHAUFEL

Title (fr)
SYSTEME DE REFROIDISSEMENT POUR AUBE DE TURBINE

Publication
EP 1266127 B1 20050112 (DE)

Application
EP 01919384 A 20010312

Priority
• EP 01919384 A 20010312
• EP 0102755 W 20010312
• EP 00106245 A 20000322

Abstract (en)
[origin: EP1136651A1] The blade (13) has at least one channel (22) bounded by walls (19-21), whereby an insert (25) exposed to at least one cooling fluid is inserted into at least one channel. At least one wall has horizontal ribs (24) between the insert and the wall and the insert has openings (27) via which the cooling fluid can pass out of the insert between the horizontal ribs.

IPC 1-7
F01D 5/18

IPC 8 full level
F01D 5/18 (2006.01); **F01D 9/02** (2006.01)

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F01D 5/189 (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US); **F05D 2260/2212** (2013.01 - EP US); **F05D 2260/22141** (2013.01 - EP US)

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EP 1136651 A1 20010926; CN 1293285 C 20070103; CN 1418284 A 20030514; DE 50105062 D1 20050217; EP 1266127 A1 20021218; EP 1266127 B1 20050112; JP 2003528246 A 20030924; JP 4637437 B2 20110223; US 2003049127 A1 20030313; US 6769875 B2 20040803; WO 0171163 A1 20010927

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