

Title (en)

High-pressure turbine blade with cooled trailing edge

Title (de)

Hochdruck-Turbinenschaufel mit gekühlter Abströmkante

Title (fr)

Aube de turbine haute-pressure ayant un bord de fuite refroidi

Publication

EP 1318274 B1 20040922 (FR)

Application

EP 02292970 A 20021203

Priority

FR 0115904 A 20011210

Abstract (en)

[origin: EP1318274A1] The mobile high-pressure turbine blade has a cooling circuit with at least one cavity extending radially between the tip of the blade and its foot and a series of slots (26) originating in the cavity and extending towards the blade's trailing edge perpendicular to its lengthwise axis. Of the slots at least the one (28) closest to the blade's foot is inclined towards its tip at an angle of between 10 and 30 degrees, and preferably 20 degrees, to the blade's axis of rotation.

IPC 1-7

F01D 5/18

IPC 8 full level

F01D 5/18 (2006.01)

CPC (source: EP US)

F01D 5/187 (2013.01 - EP US)

Cited by

EP1726781A1; FR2924156A1; US11867083B2; WO2021259569A1; EP4136323B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 02292970 A 20021203; CA 2412989 A 20021129; DE 60201325 T 20021203; ES 02292970 T 20021203; FR 0115904 A 20011210; JP 2002352590 A 20021204; RU 2002132866 A 20021209; UA 2002129702 A 20021204; US 30301202 A 20021125