

Title (en)

Platform cooling in turbomachines

Title (de)

Plattformkühlung in Turbomaschinen

Title (fr)

Refroidissement de plateformes de turbomachines

Publication

EP 1008723 B1 20040218 (DE)

Application

EP 98811219 A 19981210

Priority

EP 98811219 A 19981210

Abstract (en)

[origin: EP1008723A1] The method involves passing coolant fluid along the line between two immediately adjacent platforms (310,310') in a coolant channel (330) extending along both platforms. The coolant channel runs approximately parallel to the platform surface, at least in some sections of its length. Turbine blades (320) are mounted on the platforms and the channel runs between the blades on a path approximating to the blade profile. An Independent claim is also included for the platforms of a turbine machine, esp. a gas turbine.

IPC 1-7

F01D 5/18; **F01D 11/00**

IPC 8 full level

F01D 5/18 (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

F01D 5/187 (2013.01 - EP US); **F01D 11/006** (2013.01 - EP US); **F01D 11/008** (2013.01 - US); **F05B 2240/801** (2013.01 - US); **F05D 2240/81** (2013.01 - EP)

Cited by

EP1892383A1; EP1275819A3; WO2008022830A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 1008723 A1 20000614; **EP 1008723 B1 20040218**; DE 59810806 D1 20040325; US 6309175 B1 20011030

DOCDB simple family (application)

EP 98811219 A 19981210; DE 59810806 T 19981210; US 45633299 A 19991208