

Title (en)
TURBINE BLADE

Title (de)
TURBINENSCHAUFEL

Title (fr)
AUBE DE TURBINE

Publication
EP 2438273 B1 20150805 (EN)

Application
EP 10724483 A 20100603

Priority
• EP 2010057792 W 20100603
• IT MI20090977 A 20090604

Abstract (en)
[origin: WO2010139766A1] A turbine blade extends along a longitudinal axis (A) and is provided with: an anchoring portion (4) provided with a base face (11); a platform (5) integrally coupled to the anchoring portion (4); a main elongated body (6) which extends from the platform (5) on the opposite side with respect to the anchoring portion (4); a cooling circuit (9), which comprises a first cooling line (19) provided with a first inlet opening (23) arranged on the base face (11) of the anchoring portion (4) of the blade (1); and a metering plate (7) coupled to the base face (11) at the first inlet opening (23) and comprising a first portion (26a) and a second portion (26b) couplable to each other and shaped in such a way to define, together, an opening (27) having a variable section.

IPC 8 full level
F01D 5/08 (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP)
F01D 5/081 (2013.01); **F01D 5/18** (2013.01)

Citation (examination)
DE 102004011151 A1 20040930 - ALSTOM TECHNOLOGY LTD BADEN [CH]

Cited by
CN106679736A; CN106761949A; CN106523038A; FR3106624A1; CN115298413A; US11773747B2; WO2021148740A1

Designated contracting state (EPC)
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