

Title (en)

Device and method for cleaning a gas turbine blade

Title (de)

Vorrichtung und Verfahren zur Reinigung einer Gasturbinenlaufschaufel

Title (fr)

Dispositif et procédé de nettoyage d'une pale de turbine à gaz

Publication

EP 2407254 A1 20120118 (EN)

Application

EP 11173890 A 20110713

Priority

IT MI20101286 A 20100713

Abstract (en)

A device (20) for cleaning a gas turbine blade (1), comprises: - a vessel (21) suitable for containing a cleaning fluid bath and provided with a header (30); the blade (1) to be cleaned being couplable to the header (30) while the outlet hole (16) of the inner cavity (13) is immersed in the cleaning fluid bath; - a tank (22) suitable for containing the cleaning fluid; - a feed line (24) connecting the tank (22) to the vessel (21); - a return line (25) connecting the header (30) of the vessel (21) to the tank (22); - a first pump (26) designed to draw the cleaning fluid from the tank (22) and send it to the vessel (21) at such a pressure as to produce a flow of cleaning fluid flowing from the outlet hole (16) of the inner cavity (13) to the inlet opening (15) of the inner cavity (13) of the blade (1).

IPC 8 full level

B08B 9/00 (2006.01); **F01D 25/00** (2006.01)

CPC (source: EP)

B08B 9/00 (2013.01); **F01D 25/002** (2013.01)

Citation (applicant)

WO 0005002 A1 20000203 - SIEMENS AG [DE], et al

Citation (search report)

- [XII] EP 2149404 A1 20100203 - SIEMENS AG [DE]
- [XYI] US 5339845 A 19940823 - HUDDAS RICHARD V [US]
- [YD] WO 0005002 A1 20000203 - SIEMENS AG [DE], et al
- [A] US 2003136424 A1 20030724 - STOCKERT DAVID L [US]

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CN103934231A; EP2769777A3; CN109083702A; EP3424605A3; CN113605999A; US11286808B2; US9523287B2; US10830093B2; US11578613B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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