

Title (en)

Cleaning elements on blade tips of an exhaust turbine

Title (de)

Reinigungselemente auf Laufschaufelspitzen einer Abgasturbine

Title (fr)

Éléments de nettoyage sur les extrémités des aubes d' une turbine

Publication

**EP 1820938 A1 20070822 (DE)**

Application

**EP 06405074 A 20060220**

Priority

EP 06405074 A 20060220

Abstract (en)

Exhaust gas turbine comprises a cleaning device with cleaning elements (11) arranged on the tips of the blades (1) of a turbine wheel. Independent claims are also included for the following: (1) Exhaust gas turbocharger with the above exhaust gas turbine; and (2) Commercial turbine with the above exhaust gas turbine. Preferred Features: A part of the blades have a blade tip elongated in the radial direction. The blade tips are coated on the pressure side and non-coated on the suction side.

Abstract (de)

Die Reinigungsvorrichtung umfasst an den Laufschaufeln (1) der Abgasturbine angeordnete Reinigungselemente (11), welche den Bereich radial ausserhalb der Laufschaufeln im Betrieb laufend von Verunreinigung (3) befreien. Von der Vielzahl von Laufschaufeln sind nur einige wenige mit Reinigungselementen ausgestattet. Dadurch können die Herstellungskosten tief gehalten werden.

IPC 8 full level

**F01D 5/20** (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP)

**F01D 5/20** (2013.01); **F01D 11/122** (2013.01); **F01D 25/002** (2013.01); **F05D 2220/40** (2013.01); **F05D 2260/607** (2013.01)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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