

Title (en)
GAS TURBINE COMPRISING ARMOR-PLATED MACHINE COMPONENTS

Title (de)
GASTURBINE MIT GEPANZERTEN MASCHINENKOMPONENTEN

Title (fr)
TURBINE À GAZ AVEC COMPOSANTS DE MACHINE BLINDÉ

Publication
EP 2024684 A1 20090218 (DE)

Application
EP 07728485 A 20070425

Priority

- EP 2007054029 W 20070425
- EP 06011629 A 20060606
- EP 07728485 A 20070425

Abstract (en)
[origin: EP1865258A1] The machine component useful in gas turbine for driving a generator or work machine, comprises a base body (40), which is made of a base material and is provided with a plating (42) from a plating material with larger hardness compared to the base material. The plating is segmentally implemented and is formed by plating segments (44), which are applied on the base body by build-up welding and are brought into assigned recesses in the base body. The outside surface of the plating segments and an outside surface of a stage (46) running between the plating segments form a constant surface. An independent claim is included for a gas turbine with a number of machine components.

IPC 8 full level
F23R 3/00 (2006.01); **C23C 30/00** (2006.01); **F01D 5/20** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)
C23C 30/00 (2013.01 - EP US); **F23R 3/002** (2013.01 - EP US); **F23R 3/005** (2013.01 - EP US); **F23M 2900/05001** (2013.01 - EP US)

Citation (search report)
See references of WO 2007141091A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1865258 A1 20071212; AT E451581 T1 20091215; CN 101473171 A 20090701; CN 101473171 B 20110406;
DE 502007002275 D1 20100121; EP 2024684 A1 20090218; EP 2024684 B1 20091209; RU 2008152379 A 20100720;
RU 2451241 C2 20120520; US 2009180873 A1 20090716; US 8091366 B2 20120110; WO 2007141091 A1 20071213

DOCDB simple family (application)
EP 06011629 A 20060606; AT 07728485 T 20070425; CN 200780021246 A 20070425; DE 502007002275 T 20070425;
EP 07728485 A 20070425; EP 2007054029 W 20070425; RU 2008152379 A 20070425; US 22791207 A 20070425