

Title (en)

Steam turbine part including ceramic matrix composite (CMC)

Title (de)

Dampfturbinenteil mit keramischem Matrixverbundstoff (CMC)

Title (fr)

Pièce de turbine à vapeur incluant un composite de matrice en céramique

Publication

**EP 2161414 A1 20100310 (EN)**

Application

**EP 09169335 A 20090903**

Priority

US 20684408 A 20080909

Abstract (en)

A steam turbine (10) part includes a ceramic matrix composite (CMC (110)). The part may be made wholly or partially of CMC (110). The CMC (110) eliminates the possibility of oxidation and thus increases steam turbine (10) availability and reliability.

IPC 8 full level

**F01D 5/28** (2006.01); **F01D 9/02** (2006.01)

CPC (source: EP US)

**F01D 5/282** (2013.01 - EP US); **F01D 5/284** (2013.01 - EP US); **F01D 9/02** (2013.01 - EP US); **F05D 2300/21** (2013.01 - EP US); **F05D 2300/2112** (2013.01 - EP US); **F05D 2300/224** (2013.01 - EP US); **F05D 2300/226** (2013.01 - EP US); **F05D 2300/614** (2013.01 - EP US)

Citation (applicant)

EP 1712745 A1 20061018 - SIEMENS AG [DE]

Citation (search report)

- [XY] EP 1712745 A1 20061018 - SIEMENS AG [DE]
- [Y] EP 1559499 A1 20050803 - SIEMENS AG [DE]
- [Y] EP 1707650 A1 20061004 - SIEMENS AG [DE]
- [A] EP 1914454 A1 20080423 - GEN ELECTRIC [US]

Cited by

EP2570602A3

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**EP 2161414 A1 20100310**; JP 2010065691 A 20100325; RU 2009133731 A 20110320; US 2010061847 A1 20100311

DOCDB simple family (application)

**EP 09169335 A 20090903**; JP 2009205403 A 20090907; RU 2009133731 A 20090908; US 20684408 A 20080909