

Title (en)
Vane or blade with tip cap

Title (de)
Leit- oder Laufsschaufel mit Spitzenabdeckung

Title (fr)
Aube de stator ou de rotor avec capuchon d'extrémité

Publication
EP 2700788 A1 20140226 (EN)

Application
EP 12181109 A 20120821

Priority
EP 12181109 A 20120821

Abstract (en)
A hollow blade or vane body (2) of a turbine is joined at an open end to a plug or end body (5) by a cast securing ring (11), which is accommodated in an annular channel formed by corresponding annular grooves (7, 8) in the opposing surfaces of the connection area of the two bodies (2, 5).

IPC 8 full level
F01D 5/20 (2006.01); **B23P 15/04** (2006.01)

CPC (source: EP)
F01D 5/20 (2013.01); **F05D 2230/21** (2013.01); **F05D 2260/30** (2013.01)

Citation (applicant)

- US 2005196277 A1 20050908 - WANG JOHN Z [US], et al
- US 2010080711 A1 20100401 - PAGE RICHARD H [US], et al
- US 2007258825 A1 20071108 - SHADBOLT SIMON [GB], et al
- EP 1772593 A2 20070411 - GEN ELECTRIC [US]
- US 5797725 A 19980825 - RHODES JEFFREY F [US]

Citation (search report)

- [X] US 8052391 B1 20111108 - BROWN WESLEY D [US]
- [XD] US 5797725 A 19980825 - RHODES JEFFREY F [US]
- [X] US 7686571 B1 20100330 - MATHENY ALFRED P [US]
- [X] DE 102011120691 A1 20120621 - ALSTOM TECHNOLOGY LTD [CH]
- [X] US 7704044 B1 20100427 - MATHENY ALFRED P [US]
- [X] US 2009196761 A1 20090806 - JAMES ALLISTER W [US]
- [A] EP 2022944 A1 20090211 - SIEMENS AG [DE]
- [A] DE 4314160 A1 19931118 - SIEMENS AG [DE]

Cited by
CN108406233A; EP3536433A1; US2023033578A1; US11338396B2; US10766105B2; US11731218B2

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)
EP 2700788 A1 20140226

DOCDB simple family (application)
EP 12181109 A 20120821