

Title (en)
Fabricated turbine airfoil

Title (de)
Hergestelltes Turbinenprofil

Title (fr)
Profil de turbine fabriqué

Publication
EP 2636846 A1 20130911 (EN)

Application
EP 13157726 A 20130305

Priority
US 201213412686 A 20120306

Abstract (en)
An apparatus and method for combining materials having different thermal and mechanical properties into an article, such as a gas turbine bucket (10), which includes a first section (18), a second section (100), and a third section (160); wherein the first section (18) provides structural support for the remaining sections, the second section (100) is integrally joined with the first section (18), and the third section (160) connects the first and second sections (18, 100) are disclosed.

IPC 8 full level
F01D 5/14 (2006.01); **F01D 5/00** (2006.01); **F01D 5/20** (2006.01)

CPC (source: EP US)
F01D 5/005 (2013.01 - EP US); **F01D 5/147** (2013.01 - EP US); **F01D 5/20** (2013.01 - EP US)

Citation (search report)

- [X] GB 2378733 A 20030219 - ROLLS ROYCE PLC [GB]
- [X] GB 2115882 A 19830914 - GEN ELECTRIC
- [X] US 2007077143 A1 20070405 - SHERLOCK GRAHAM D [US], et al
- [E] EP 2570594 A2 20130320 - GEN ELECTRIC [US]

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Designated contracting state (EPC)
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BA ME

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EP 2636846 A1 20130911; CN 103306743 A 20130918; JP 2013185586 A 20130919; RU 2013109759 A 20140910; US 2013236318 A1 20130912

DOCDB simple family (application)
EP 13157726 A 20130305; CN 201310071392 A 20130306; JP 2013040222 A 20130301; RU 2013109759 A 20130305; US 201213412686 A 20120306