

Title (en)
COMPOSITE COMPONENT AND METHOD FOR MANUFACTURING THE SAME

Title (de)
VERBUNDKOMPONENTE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
COMPOSANT COMPOSITE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3495612 A1 20190612 (EN)

Application
EP 17205758 A 20171206

Priority
EP 17205758 A 20171206

Abstract (en)
The composite component (1) for a gas turbine comprises first parts (2) made out of a metal matrix (3) reinforced with carbon fibres (4) joined to second parts (6) made out of metal (7) without carbon fibres. The second parts (6) can comprise cooling elements (8).

IPC 8 full level
F01D 5/14 (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP)
F01D 5/147 (2013.01); **F01D 5/282** (2013.01); **F04D 29/023** (2013.01); **F04D 29/324** (2013.01); **F04D 29/542** (2013.01); **F05D 2300/6032** (2013.01)

Citation (applicant)
US 2013259701 A1 20131003 - DAMBRINE BRUNO [FR], et al

Citation (search report)
• [XA] EP 2474638 A2 20120711 - GEN ELECTRIC [US]
• [XI] EP 2703605 A2 20140305 - ROLLS ROYCE PLC [GB]
• [X] EP 3020918 A1 20160518 - UNITED TECHNOLOGIES CORP [US]
• [XI] EP 1920869 A1 20080514 - GEN ELECTRIC [US]

Cited by
GB2582148A; US11732586B2

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 3495612 A1 20190612; **EP 3495612 B1 20210512**; CN 109877318 A 20190614; CN 109877318 B 20230804

DOCDB simple family (application)
EP 17205758 A 20171206; CN 201811487079 A 20181206