

Title (en)

GAS TURBINE ENGINE COMPONENT COOLING CIRCUIT

Title (de)

KÜHLSYSTEM FÜR GASTURBINENBAUTEILE

Title (fr)

CIRCUIT DE REFROIDISSEMENT DE COMPOSANT DE MOTEUR À TURBINE À GAZ

Publication

EP 2898203 A4 20151125 (EN)

Application

EP 13838225 A 20130917

Priority

- US 201213621968 A 20120918
- US 2013060039 W 20130917

Abstract (en)

[origin: US2014075947A1] A component for a gas turbine engine, according to an exemplary aspect of the present disclosure includes, among other things, a body portion and a cooling circuit disposed inside of the body portion. The cooling circuit includes a first baffle received within a first core cavity that extends inside of the body portion, a second baffle received within a second core cavity that extends inside of the body portion, and a first rib disposed between the first core cavity and the second core cavity. The first baffle is in fluid communication with the second baffle through the first rib.

IPC 8 full level

F02C 7/12 (2006.01); **F01D 5/08** (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP US)

F01D 5/189 (2013.01 - EP US); **F05D 2240/126** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US)

Citation (search report)

- [XY] EP 1380724 A2 20040114 - MITSUBISHI HEAVY IND LTD [JP]
- [XY] EP 1136652 A1 20010926 - GEN ELECTRIC [US]
- [XY] GB 2054749 A 19810218 - WESTINGHOUSE ELECTRIC CORP
- [XY] EP 1302628 A2 20030416 - UNITED TECHNOLOGIES CORP [US]
- [XY] EP 1452689 A1 20040901 - GEN ELECTRIC [US]

Citation (examination)

- EP 2107214 A1 20091007 - UNITED TECHNOLOGIES CORP [US]
- EP 1312757 A2 20030521 - GEN ELECTRIC [US]
- EP 1164250 A2 20011219 - GEN ELECTRIC [US]
- EP 1221538 A2 20020710 - GEN ELECTRIC [US]
- US 2005089394 A1 20050428 - LU WENFENG [US], et al
- See also references of WO 2014047022A1

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)

US 2014075947 A1 20140320; EP 2898203 A1 20150729; EP 2898203 A4 20151125; WO 2014047022 A1 20140327

DOCDB simple family (application)

US 201213621968 A 20120918; EP 13838225 A 20130917; US 2013060039 W 20130917