

Title (en)

Multi-part cast turbine engine component having an internal cooling channel and method of forming a multi-part cast turbine engine component

Title (de)

Mehrteiliger Turbinentriebwerkbestandteil, der einen internen Kühlkanal aufweist und Herstellungsverfahren eines Mehrteiligen Turbinentriebwerkbestands

Title (fr)

Élément de moteur à turbine à parties multiples ayant un canal de refroidissement et procédé de fabrication dudit élément

Publication

EP 2031185 A2 20090304 (EN)

Application

EP 08162441 A 20080814

Priority

US 89615707 A 20070830

Abstract (en)

A multi-part cast component for a turbine engine includes a first component section having a main body portion including at least one cooling flow passage section, and a second component section having a main body including at least one cooling flow passage section. The first and second component sections are joined along a parting line to form a turbine engine component with the at least one cooling flow passage section of the first component section aligning with the at least one cooling flow passage of the second component section to form a cooling flow channel.

IPC 8 full level

F01D 5/18 (2006.01)

CPC (source: EP US)

F01D 5/187 (2013.01 - EP US); **F05D 2230/211** (2013.01 - EP US); **F05D 2230/23** (2013.01 - EP US); **Y10T 29/49341** (2015.01 - EP US)

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2031185 A2 20090304; **EP 2031185 A3 20120627**; CN 101377132 A 20090304; JP 2009057968 A 20090319; US 2009060714 A1 20090305

DOCDB simple family (application)

EP 08162441 A 20080814; CN 200810214279 A 20080829; JP 2008218890 A 20080828; US 89615707 A 20070830