

Title (en)

DIE CAST SYSTEM FOR FORMING A COMPONENT USABLE IN A GAS TURBINE ENGINE

Title (de)

DRUCKGUSSSYSTEM ZUM FORMEN EINES BAUTEILS FÜR EINEN GASTURBINENMOTOR

Title (fr)

SYSTÈME DE COULAGE SOUS PRESSION DESTINÉ À FORMER UN COMPOSANT UTILISABLE DANS UNE À TURBINE A GAZ

Publication

EP 3206814 A1 20170823 (EN)

Application

EP 14796598 A 20141015

Priority

US 2014060562 W 20141015

Abstract (en)

[origin: WO2016060653A1] A die cast system (10) having an inner liner insert (12) that enables the configuration of a component (14) produced by the system to be easily changed by changing the inner liner insert (12) without having to rework the die housing (16) is disclosed. Because the inner liner insert (12) only need be removed and replaced to change the configuration of an outer surface of a component (14) produced by the system, the cost savings is significant in contrast with conventional systems in which the die would have to be reworked. The die cast system (10) may also include an inner liner (12) formed from first end and second end sub-inner liners (20, 22), whereby the first end sub-inner liner (20) may be from a first material that is less compliant than a material forming the second end sub-inner liner (22) enabling more intricate cooling systems to be created by the second end sub-inner liner (22).

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2016060653A1

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