

Title (en)
COOLING DUCT ARRANGEMENT WITHIN A HOLLOW-CAST CASTING

Title (de)
KÜHLKANALANORDNUNG INNERHALB EINES HOHLGEGOSSENEN GUSSTEILS

Title (fr)
AGENCEMENT DE CANAUX DE REFROIDISSEMENT À L'INTÉRIEUR D'UNE PIÈCE MOULÉE CREUSE

Publication
EP 2265800 B1 20171101 (DE)

Application
EP 09727227 A 20090317

Priority
• EP 2009053108 W 20090317
• CH 4712008 A 20080331

Abstract (en)
[origin: WO2009121715A1] The invention describes a cooling duct arrangement within a hollow-cast casting, having a flow region for a coolant (K), which flow region is delimited by at least two casting walls which are spaced apart from one another and which flow region is divided in the flow direction into two cooling ducts (7) by at least one line of ribs (6) which is connected to both walls of the casting. The invention is characterized in that at least one gap (13) is provided along the at least one line of ribs (6), at which gap (13) two fin ends (61, 62) are situated opposite one another with a spacing, one of which fin ends has a contour in the shape of a "dog's bone" (14).

IPC 8 full level
F01D 5/18 (2006.01)

CPC (source: EP US)
F01D 5/187 (2013.01 - EP US); **F05D 2230/21** (2013.01 - EP US); **F05D 2240/122** (2013.01 - EP US); **F05D 2240/304** (2013.01 - EP US); **F05D 2260/22141** (2013.01 - 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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009121715 A1 20091008; EP 2265800 A1 20101229; EP 2265800 B1 20171101; US 2011064585 A1 20110317; US 8360725 B2 20130129

DOCDB simple family (application)
EP 2009053108 W 20090317; EP 09727227 A 20090317; US 89330710 A 20100929