

Title (en)

MULTIPLE-PART STEEL PISTON FOR AN INTERNAL COMBUSTION ENGINE HAVING A COOLING DUCT

Title (de)

MEHRTEILIGER STAHLKOLBEN FÜR EINEN VERBRENNUNGSMOTOR MIT EINEM KÜHLKANAL

Title (fr)

PISTON EN ACIER EN PLUSIEURS PIECES DOTE D'UN CANAL DE REFROIDISSEMENT POUR MOTEUR A COMBUSTION INTERNE

Publication

EP 1984613 B1 20171101 (DE)

Application

EP 07703220 A 20070202

Priority

- EP 2007000891 W 20070202
- DE 102006007806 A 20060217

Abstract (en)

[origin: WO2007093289A1] The invention relates to a piston (1) which comprises a piston upper part (2) and a piston lower part (3), wherein there are an annular field which is formed by an annular element (9) and has annular grooves (4), a cooling duct (5) which runs behind the latter coaxially and radially and, in particular, a combustion-chamber recess (6) in the region of the piston upper part (2), and the piston lower part (3) has at least one piston skirt (7) and a corresponding pin hole (8), wherein there is provision according to the invention for the contact regions of the annular element (9) on the piston basic body to be designed with at least one shoulder shape and for the annular element (9) to be joined to the piston basic body non-releasably.

IPC 8 full level

F02F 3/00 (2006.01); **F02F 3/22** (2006.01)

CPC (source: EP)

F02F 3/003 (2013.01); **F02F 3/22** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007093289 A1 20070823; DE 102007005268 A1 20070830; EP 1984613 A1 20081029; EP 1984613 B1 20171101; PL 1984613 T3 20180430

DOCDB simple family (application)

EP 2007000891 W 20070202; DE 102007005268 A 20070202; EP 07703220 A 20070202; PL 07703220 T 20070202