

Title (en)
PISTON HEAD WITH A NON CIRCULAR CAVITY

Title (de)
KOLBENKOPF MIT EINEM NICHT KREISFÖRMIGEN HOHLRAUM

Title (fr)
TOIT DE PISTON À CAVITÉ NON CIRCULAIRE

Publication
EP 3097286 A1 20161130 (FR)

Application
EP 15704333 A 20150113

Priority
• FR 1450618 A 20140124
• FR 2015050068 W 20150113

Abstract (en)
[origin: WO2015110739A1] A piston top (10) for an internal combustion heat engine, comprises an upper face (11) intended to be turned towards a cylinder head (12) provided in the top part of a combustion chamber (13) delimited in the lower part of same by said piston top (10), said upper face (11) comprising a cavity (14). Said cavity (14) has a shape such that, at any point in the depth (H) of the cavity (14), the cavity (14) has, in a cutting plane (P) perpendicular to the sliding direction (D) of the piston (15) provided with said piston top (10) relative to the engine cylinder, a section having a contour that is non-circular in shape. An internal combustion engine is also described.

IPC 8 full level
F02B 23/06 (2006.01)

CPC (source: EP)
F02B 23/0693 (2013.01); **F02B 2023/102** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)
See references of WO 2015110739A1

Citation (examination)
• JP H0344544 A 19910226 - MITSUBISHI ELECTRIC CORP
• DE 19854923 A1 19990602 - HYUNDAI MOTOR CO LTD [KR]
• WO 9630633 A1 19961003 - MITSUBISHI MOTORS CORP [JP], et al

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)
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WO 2015110739 A1 20150730; BR 112016015966 A2 20180522; EP 3097286 A1 20161130; FR 3016925 A1 20150731

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