

Title (en)
DIESEL INTERNAL COMBUSTION ENGINE

Title (de)
DIESELBRENNKRAFTMASCHINE

Title (fr)
MOTEUR DIESEL À COMBUSTION INTERNE

Publication
EP 3670882 A1 20200624 (EN)

Application
EP 19217077 A 20191217

Priority
IT 201800020110 A 20181218

Abstract (en)
A Diesel combustion engine includes at least one cylinder (C) with a respective piston (P) and a respective fire ring (FR) inserted in a stepped housing (FRH) defined in a cylinder liner (CL) so as to surround a respective combustion chamber (CC); an outer surface (OS) of the fire ring (FR), intended to contact the stepped housing (FRH), is shaped so as to include at least one protruding portion shaped as a tip or a ridge and to reduce a thermal exchange between the fire ring and the cylinder liner; an upper edge of the fire ring consists of a cutting edge, in contact with a cylinder head (H) and defining a sealing effect between the fire ring (FR) and the cylinder head (H).

IPC 8 full level
F02F 1/00 (2006.01)

CPC (source: EP)
F02F 1/004 (2013.01); **F02F 2001/006** (2013.01)

Citation (applicant)
IT 201800020110 A 20181218

Citation (search report)
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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

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