

Title (en)
DIESEL INTERNAL COMBUSTION ENGINE

Title (de)
DIESELBRENNKRAFTMASCHINE

Title (fr)
MOTEUR DIESEL À COMBUSTION INTERNE

Publication
EP 3670882 B1 20221116 (EN)

Application
EP 19217077 A 20191217

Priority
IT 201800020110 A 20181218

Abstract (en)
[origin: EP3670882A1] 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)

Cited by
JP2023141494A; AT17674U1; CN114109639A; JPWO2022044986A1; US11767803B2; WO2022044986A1

Designated contracting state (EPC)
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