

Title (en)
Internal combustion engine.

Title (de)
Brennkraftmaschine.

Title (fr)
Moteur à combustion interne.

Publication
EP 0030832 A1 19810624 (EN)

Application
EP 80304401 A 19801205

Priority
GB 7943027 A 19791213

Abstract (en)
An internal combustion engine operating on a two-stroke cycle and including a piston 1 reciprocable in a cylinder 2 to drive a crank shaft and also to inhale and compress a volume of air is characterised by a second piston 15 working in a separate cylinder 13 co-axial with and opposed to the first cylinder 2, the piston 15 being synchronised with the first piston 1. The second piston 15 acts to introduce a compressed charge of mixture of air and fuel through a non-return valve 30 into a relatively small ignition chamber 34 including a sparking plug 35 and communicating with a combustion chamber 11 in the head of the cylinder 1. The piston 15 draws air/fuel mixture along an inlet passage 20, past a non-return reed valve 21 and into a crank case 22. On the return stroke of the piston 15 the mixture passes through passages 23 in the piston controlled by a non-return valve 24 and also along passages 14 and around the piston. The next stroke of the piston 15 compresses the charge of mixture and forces it through the valve 30 which generates turbulence prior to ignition.

IPC 1-7
F02B 75/28; **F02B 41/00**; **F02B 33/08**

IPC 8 full level
F01B 7/14 (2006.01); **F02B 33/08** (2006.01); **F02B 41/00** (2006.01); **F02B 75/28** (2006.01)

CPC (source: EP)
F01B 7/14 (2013.01); **F02B 33/08** (2013.01); **F02B 41/00** (2013.01); **F02B 75/28** (2013.01)

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Designated contracting state (EPC)
AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0030832 A1 19810624; **EP 0030832 B1 19840307**; AT E6538 T1 19840315; DE 3066880 D1 19840412

DOCDB simple family (application)
EP 80304401 A 19801205; AT 80304401 T 19801205; DE 3066880 T 19801205