

Title (en)

Method for cleaning the combustion chamber and the intake tract of a combustion engine

Title (de)

Verfahren zum Reinigen eines Brennraums und eines Einlasstrakts einer Brennkraftmaschine

Title (fr)

Procédé destiné au nettoyage d'une chambre de combustion et d'une courroie d'admission d'un moteur à combustion interne

Publication

EP 1884637 A3 20091209 (DE)

Application

EP 07010764 A 20070531

Priority

DE 102006034633 A 20060727

Abstract (en)

[origin: EP1884637A2] The method involves separating a combustion chamber (4) by a piston (3) arranged in a cylinder space (1) of a cylinder (2). Openings of inlet and outlet channels (5, 7) are opened and closed by inlet and outlet valves (6, 8). A fuel/air mixture is formed by a fuel injecting valve (9). An igniting device is extended into the combustion chamber, such that the fuel/air mixture in the combustion chamber is inflamed, when the inlet valve in the inlet channel is opened. The inflammation of the prepared fuel/air mixture takes place at one time, at which the intake valve is completely opened.

IPC 8 full level

F02B 77/04 (2006.01)

CPC (source: EP)

F02B 77/04 (2013.01); **F02D 41/0085** (2013.01); **F02D 2041/1432** (2013.01); **F02D 2250/28** (2013.01)

Citation (search report)

- [AD] JP 2004251155 A 20040909 - TOYOTA MOTOR CORP
- [AD] DE 10203750 A1 20030327 - PORSCHE AG [DE]
- [AD] US 6178944 B1 20010130 - KERNS JAMES MICHAEL [US], et al
- [A] EP 1258610 A2 20021120 - VOLKSWAGEN AG [DE]

Cited by

DE102012213241A1; DE102012213241B4; US9556802B2; DE102014006415A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1884637 A2 20080206; EP 1884637 A3 20091209; EP 1884637 B1 20101201; DE 102006034633 A1 20080131;
DE 502007005815 D1 20110113

DOCDB simple family (application)

EP 07010764 A 20070531; DE 102006034633 A 20060727; DE 502007005815 T 20070531