

Title (en)

AN IMPROVED EXHAUST SYSTEM OF A SINGLE CYLINDER FOUR STROKE SPARK IGNITION ENGINE

Title (de)

VERBESSERTES ABGASSYSTEM FÜR EINEN EINZYLINDRIGEN VIER-TAKT-OTTOMOTOR

Title (fr)

SYSTEME D'ECHAPPEMENT AMELIORE POUR MOTEUR A EXPLOSION QUATRE TEMPS ET UN SEUL CYLINDRE

Publication

**EP 1789660 B1 20100512 (EN)**

Application

**EP 05815839 A 20050803**

Priority

- IN 2005000254 W 20050803
- IN 851MU2004 A 20040806

Abstract (en)

[origin: WO2006027797A1] An exhaust system for improving the torque characteristics of a single cylinder for stroke spark ignition engine which exhaust system comprises a header pipe (1), a chamber (14) and a muffler (15); one end with exhaust flange (12) of the said header pipe being adapted for connection to an engine exhaust port and the other end being connected to the said muffler (15); the said chamber (14) being connected between said one end with exhaust flange (12) and said muffler (15) at a point preferably between 40% to 60% of developed length of header pipe from the face of the said exhaust flange (12) along the length of said header pipe.

IPC 8 full level

**F01N 1/02** (2006.01); **F01N 1/00** (2006.01); **F01N 13/02** (2010.01); **F02B 27/00** (2006.01)

CPC (source: EP)

**F01N 1/003** (2013.01); **F01N 1/02** (2013.01); **F01N 1/023** (2013.01); **F01N 13/02** (2013.01); **F01N 2490/14** (2013.01)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006027797 A1 20060316**; AP 2007003911 A0 20070228; AP 2840 A 20140228; AR 050204 A1 20061004; AT E467751 T1 20100515; BR PI0514158 A 20080603; BR PI0514158 B1 20190604; CN 1993539 A 20070704; CN 1993539 B 20100414; CR 8898 A 20070828; DE 602005021230 D1 20100624; EC SP077216 A 20070228; EG 24937 A 20110111; EP 1789660 A1 20070530; EP 1789660 B1 20100512; ES 2348516 T3 20101207; GT 200500395 A 20070925; JP 2008509324 A 20080327; MX 2007000792 A 20070409; MY 139239 A 20090930; TW 200613638 A 20060501; ZA 200700202 B 20080227

DOCDB simple family (application)

**IN 2005000254 W 20050803**; AP 2007003911 A 20050803; AR P050103277 A 20050805; AT 05815839 T 20050803; BR PI0514158 A 20050803; CN 200580025898 A 20050803; CR 8898 A 20070205; DE 602005021230 T 20050803; EC SP077216 A 20070130; EG NA2007000132 A 20070205; EP 05815839 A 20050803; ES 05815839 T 20050803; GT 200500395 A 20050804; JP 2007524464 A 20050803; MX 2007000792 A 20050803; MY PI20053672 A 20050805; TW 94126739 A 20050808; ZA 200700202 A 20070108