

Title (en)

A METHOD OF INCREASING THE PART LOAD EFFICIENCY OF THE COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR ERHÖHUNG DES TEILLASWIRKUNGSGRADS DES VERBRENNUNGSMOTORS

Title (fr)

PROCEDE D'AUGMENTATION DU RENDEMENT DE LA CHARGE PARTIELLE D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1461525 A1 20040929 (EN)**

Application

**EP 02751236 A 20020812**

Priority

- FI 0200664 W 20020812
- FI 20011646 A 20010814

Abstract (en)

[origin: WO03021103A1] The method of increasing the part load efficiency in the combustion engine, especially in the diesel engine, according to the enclosed patent application, is based on the fact that the temperature of the gas (mixture of gases, dispersion etc.), going into the cylinder, shall be increased at the part loads by trying to keep its pressure almost constant, so that it is possible to achieve in the cylinder almost, or fully the maximum allowed pressure and temperature. By doing so, the part load efficiency of the engine is the best possible and the level of the emissions is low.

IPC 1-7

**F02M 31/08**; **F02B 29/00**

IPC 8 full level

**F02M 31/08** (2006.01)

CPC (source: EP US)

**F02M 31/08** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP)

Citation (search report)

See references of WO 03021103A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03021103 A1 20030313**; EP 1461525 A1 20040929; FI 20011646 A0 20010814

DOCDB simple family (application)

**FI 0200664 W 20020812**; EP 02751236 A 20020812; FI 20011646 A 20010814