

Title (en)
INCREASING THE EFFECTIVENESS OF HYDROGEN-OPERATED INTERNAL COMBUSTION ENGINES

Title (de)
WIRKUNGSGRADERHÖHUNG VON MIT WASSERSTOFF BETRIEBEN VERBRENNUNGSMOTOREN

Title (fr)
AUGMENTATION DU RENDEMENT DE MOTEURS A COMBUSTION INTERNE FONCTIONNANT A L'HYDROGENE

Publication
EP 1664504 A1 20060607 (DE)

Application
EP 04765584 A 20040924

Priority
• EP 2004010741 W 20040924
• DE 10344832 A 20030926

Abstract (en)
[origin: WO2005031135A1] Disclosed is a method for delivering a medium that is combustible in an internal combustion engine. According to said method, combustion air is fed before and/or at least temporarily along with the medium and is compressed in the combustion chamber/s of the internal combustion engine. Steam is delivered in the final phase of compression and/or following compression of the combustion air. Preferably, the steam is delivered in an isochoric or substantially isochoric manner at the top dead center.

IPC 1-7
F02B 47/02; **F02B 43/10**

IPC 8 full level
F02B 43/10 (2006.01); **F02B 47/02** (2006.01)

CPC (source: EP)
F02B 43/10 (2013.01); **F02B 47/02** (2013.01); **F02M 25/0222** (2013.01); **F02M 25/032** (2013.01); **Y02T 10/12** (2013.01); **Y02T 10/30** (2013.01)

Citation (search report)
See references of WO 2005031135A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005031135 A1 20050407; DE 10344832 A1 20050414; EP 1664504 A1 20060607

DOCDB simple family (application)
EP 2004010741 W 20040924; DE 10344832 A 20030926; EP 04765584 A 20040924