

Title (en)

Process for preparation of a fuel-air mixture for direct starting of a combustion engine

Title (de)

Verfahren zum Aufbereiten eines Luft-Kraftstoff-Gemisches für Direktstarts einer Brennkraftmaschine

Title (fr)

Procédé de préparation d'un mélange carburant-air pour démarrage direct d'un moteur à combustion

Publication

**EP 1464833 A3 20080611 (DE)**

Application

**EP 04100616 A 20040303**

Priority

DE 10315284 A 20030403

Abstract (en)

[origin: EP1464833A2] The method involves repeatedly switching off the engine when in a defined operating mode under the control of an electronic operating controller and starting it again with direct starting. A defined quantity of fuel is fed into the internal combustion engine by direct or indirect fuel injection during each switch-off phase when in the defined operating mode.

IPC 8 full level

**F02N 99/00** (2010.01); **F02D 41/34** (2006.01); **F02N 11/08** (2006.01)

CPC (source: EP)

**F02N 99/006** (2013.01); **F02D 41/009** (2013.01); **F02D 41/042** (2013.01); **F02D 2041/0095** (2013.01); **F02D 2041/389** (2013.01); **F02N 11/0814** (2013.01); **F02N 19/005** (2013.01); **F02N 2019/007** (2013.01); **F02N 2019/008** (2013.01)

Citation (search report)

- [E] EP 1555411 A1 20050720 - TOYOTA MOTOR CO LTD [JP]
- [XA] FR 2827911 A1 20030131 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
- [XA] EP 1288491 A2 20030305 - HONDA MOTOR CO LTD [JP]
- [E] EP 1457652 A2 20040915 - BOSCH GMBH ROBERT [DE]

Cited by

EP3126655A4; DE102019000340B4; WO2010086535A1

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

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

**EP 1464833 A2 20041006; EP 1464833 A3 20080611**

DOCDB simple family (application)

**EP 04100616 A 20040303**