

Title (en)

METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE, DUAL INJECTION DEVICE AND INTERNAL COMBUSTION ENGINE DESIGNED FOR CARRYING OUT SUCH A METHOD

Title (de)

VERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE, ZWEISTOFF-INJEKTOREINRICHTUNG UND BRENNKRAFTMASCHINE, EINGERICHTET ZUR DURCHFÜHRUNG EINES SOLCHEN VERFAHRENS

Title (fr)

PROCÉDÉ SERVANT À FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE, INJECTEUR À DEUX COMPOSANTS ET MOTEUR À COMBUSTION INTERNE MIS AU POINT POUR LA MISE EN OEUVRE D'UN PROCÉDÉ DE CE TYPE

Publication

EP 3707367 A1 20200916 (DE)

Application

EP 18800914 A 20181108

Priority

- DE 102017220108 A 20171110
- EP 2018080679 W 20181108

Abstract (en)

[origin: WO2019092143A1] The invention relates to a method for operating an internal combustion engine (1), comprising the following steps: simultaneous introduction of at least two fuel gas jets into a combustion chamber (3) of the internal combustion engine (1), wherein a first fuel gas jet of the at least two fuel gas jets is ignited at an ignition time. In a first operating mode of the internal combustion engine (3) a second combustible gas jet of the at least two combustible gas jets, which is different from the first combustible gas jet, is ignited after the ignition time.

IPC 8 full level

F02M 43/04 (2006.01); **F02B 23/06** (2006.01); **F02D 19/06** (2006.01); **F02D 19/10** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)

F02B 3/06 (2013.01 - US); **F02B 7/08** (2013.01 - EP); **F02B 23/0669** (2013.01 - EP); **F02B 31/00** (2013.01 - EP); **F02B 43/12** (2013.01 - EP); **F02D 19/0694** (2013.01 - EP); **F02D 19/10** (2013.01 - EP); **F02D 41/0025** (2013.01 - US); **F02M 21/02** (2013.01 - EP); **F02M 21/0248** (2013.01 - EP); **F02M 43/04** (2013.01 - EP); **F02M 61/1813** (2013.01 - EP); **F02M 61/182** (2013.01 - EP); **F02B 23/0624** (2013.01 - EP); **F02B 2075/125** (2013.01 - US); **F02B 2275/14** (2013.01 - US); **F02D 19/10** (2013.01 - US); **F02D 41/403** (2013.01 - US); **F02D 2041/001** (2013.01 - EP US); **F02D 2041/0015** (2013.01 - EP); **F02M 61/18** (2013.01 - EP); **Y02T 10/12** (2013.01 - EP); **Y02T 10/30** (2013.01 - EP)

Citation (search report)

See references of WO 2019092143A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019092143 A1 20190516; CN 111279064 A 20200612; CN 111279064 B 20220517; DE 102017220108 A1 20190516; EP 3707367 A1 20200916; US 11187140 B2 20211130; US 2020240320 A1 20200730

DOCDB simple family (application)

EP 2018080679 W 20181108; CN 201880072344 A 20181108; DE 102017220108 A 20171110; EP 18800914 A 20181108; US 202016829715 A 20200325