

Title (en)
METHOD FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUR STEUERUNG EINES VERBRENNUNGSMOTORS

Title (fr)
PROCÉDÉ DE COMMANDE D'UN MOTEUR À COMBUSTION INTERNE

Publication
EP 3114340 B1 20220706 (EN)

Application
EP 15758594 A 20150226

Priority
• SE 1450258 A 20140307
• SE 1450260 A 20140307
• SE 2015050215 W 20150226

Abstract (en)
[origin: WO2015133961A1] The invention relates to a four-stroke internal combustion engine (2), comprising at least one control device (34), arranged between a crank shaft (16) and each valve control means (22, 28), in order to control a first inlet valve (18) and a first exhaust valve (24), in such a way that no air is supplied to an exhaust system (26) from a first cylinder (C1) when a first piston (P1) moves backward and forwards in the first cylinder (C1), wherein a fuel pump (41) is arranged to supply a first fuel volume to the first cylinder (C1) during the expansion stroke of the first cylinder (C1), and to supply a second fuel volume to a second cylinder (C4) during the expansion stroke of the second cylinder (C4). The invention also pertains to a vehicle (1) comprising such a internal combustion engine (2) and a method to control a internal combustion engine (2).

IPC 8 full level
F02D 17/02 (2006.01); **F02D 13/06** (2006.01); **F02D 41/00** (2006.01); **F02M 26/43** (2016.01)

CPC (source: EP)
F02D 13/06 (2013.01); **F02D 17/02** (2013.01); **F02D 41/0082** (2013.01); **F02D 41/0047** (2013.01); **F02D 41/0235** (2013.01)

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

DOCDB simple family (publication)
WO 2015133961 A1 20150911; EP 3114340 A1 20170111; EP 3114340 A4 20180103; EP 3114340 B1 20220706

DOCDB simple family (application)
SE 2015050215 W 20150226; EP 15758594 A 20150226