

Title (en)

CARBURATOR FOR THE COMBUSTION ENGINE IN A HAND-HELD WORK DEVICE, COMBUSTION ENGINE WITH A CARBURATOR AND METHOD FOR OPERATING A COMBUSTION ENGINE

Title (de)

VERGASER FÜR DEN VERBRENNUNGSMOTOR IN EINEM HANDGEFÜHRTEM ARBEITSGERÄT, VERBRENNUNGSMOTOR MIT EINEM VERGASER UND VERFAHREN ZUM BETRIEB EINES VERBRENNUNGSMOTORS

Title (fr)

CARBURATEUR POUR LE MOTEUR À COMBUSTION INTERNE DANS UN APPAREIL DE TRAVAIL PORTATIF, MOTEUR À COMBUSTION INTERNE DOTÉ D'UN CARBURATEUR ET PROCÉDÉ DE FONCTIONNEMENT D'UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

EP 19150488 A 20190107

Priority

DE 102018000145 A 20180110

Abstract (en)

[origin: US2019211778A1] A carburetor for the combustion engine in a handheld work apparatus has a carburetor housing in which a carburetor drum is mounted rotatably about a pivot axis. The carburetor drum has a drum body which has at least one channel which runs transversely with respect to the pivot axis and forms an intake channel portion. A sensing unit for sensing at least one rotational position of the carburetor drum is provided. The sensing unit includes a control contour and a sensing device interacting with the control contour. The control contour is formed on the carburetor drum. A method for operating a combustion engine makes provision for the control device to control the supplied quantity of fuel depending on the rotational position, sensed by the sensing unit, of the carburetor drum.

IPC 8 full level

F02D 9/16 (2006.01); **F02M 9/08** (2006.01)

CPC (source: CN EP US)

F02B 33/04 (2013.01 - EP US); **F02B 63/02** (2013.01 - EP US); **F02D 9/16** (2013.01 - CN EP US); **F02D 35/0084** (2013.01 - EP US); **F02M 1/02** (2013.01 - EP US); **F02M 9/08** (2013.01 - CN EP US); **F02M 17/02** (2013.01 - EP US); **F02M 35/1017** (2013.01 - EP US); **F02M 35/10196** (2013.01 - EP US); **F02B 2075/025** (2013.01 - US); **F02D 2200/0404** (2013.01 - EP US); **F02M 35/1019** (2013.01 - EP US)

Citation (examination)

- US 4909211 A 19900320 - COOK VALERIE G C [CA], et al
- DE 3247603 A1 19830707 - WALBRO FAR EAST [JP]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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