

Title (en)
ELECTRICALLY CONTROLLED CARBURETTOR

Title (de)
ELEKTRISCH ANGESTEUERTER VERGASER

Title (fr)
CARBURATEUR COMMANDÉ ÉLECTRIQUEMENT

Publication
EP 2435682 A1 20120404 (DE)

Application
EP 10744862 A 20100527

Priority
• EP 2010003218 W 20100527
• DE 202009007558 U 20090527

Abstract (en)
[origin: WO2010136199A1] The invention relates to an electrically actuated carburetor (1) for gasoline engines, having an air funnel (4) for taking in fuel from a fuel line (2) opening into the air funnel (4), said fuel line being connected to a fuel chamber and comprising a fuel nozzle (3) between the fuel chamber and the opening (5) in the air funnel (4) for adjusting a quantity of fuel that can be drawn in from the fuel chamber due to low pressure in the air funnel (4), flexibly adaptable as a carburetor particularly for motorized tools. In order for the carburetor to overcome the disadvantages of the aforementioned prior art and to have a simple, robust construction allowing constant long-term behavior, at least two Tesla diodes (6, 7) are connected in series with the fuel nozzle (3), between which a pump chamber (8) having a pump unit (9) is located.

IPC 8 full level
F02D 3/04 (2006.01); **F02M 7/10** (2006.01); **F02M 17/38** (2006.01); **F02M 69/18** (2006.01); **F02M 69/36** (2006.01)

CPC (source: EP US)
F02D 3/04 (2013.01 - EP US); **F02M 7/10** (2013.01 - EP US); **F02M 17/38** (2013.01 - EP US); **F02M 37/046** (2013.01 - EP US);
F02M 59/14 (2013.01 - EP); **F02M 59/462** (2013.01 - EP); **F02M 59/464** (2013.01 - EP); **F02M 69/18** (2013.01 - EP US);
F02M 69/36 (2013.01 - EP US); **F02M 71/00** (2013.01 - EP US); **F02D 41/1454** (2013.01 - EP US); **F02D 2041/2027** (2013.01 - EP US)

Citation (search report)
See references of WO 2010136199A1

Cited by
EP3333394A1; EP3333412A1; WO2018105519A1; EP3333410A1; WO2018105522A1; EP3333397A1; WO2018105521A1

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 202009007558 U1 20101014; CN 102449289 A 20120509; CN 102449289 B 20141105; EP 2435682 A1 20120404;
EP 2435682 B1 20130123; JP 2012528263 A 20121112; JP 5531096 B2 20140625; US 2012074600 A1 20120329; US 8894043 B2 20141125;
WO 2010136199 A1 20101202

DOCDB simple family (application)
DE 202009007558 U 20090527; CN 201080023304 A 20100527; EP 10744862 A 20100527; EP 2010003218 W 20100527;
JP 2012512255 A 20100527; US 201013321931 A 20100527