

Title (en)

COMBUSTION CHAMBER ARRANGEMENT THE COMBUSTION OF AN OME FUEL, AND USE OF THE COMBUSTION CHAMBER ARRANGEMENT FOR THE INJECTION OF OME FUEL INTO A COMBUSTION CHAMBER OF AN INTERNAL COMBUSTION ENGINE

Title (de)

BRENNRAUMANORDNUNG ZUM VERBRENNEN EINES OME-KRAFTSTOFFES SOWIE VERWENDUNG DER BRENNRAUMANORDNUNG ZUM EINSPRITZEN VON OME-KRAFTSTOFF IN EINEN BRENNRAUM EINER BRENNKRAFTMASCHINE

Title (fr)

AGENCEMENT DE CHAMBRE DE COMBUSTION POUR BRÛLER UN CARBURANT OME AINSI QU'UTILISATION DE L'AGENCEMENT DE CHAMBRE DE COMBUSTION POUR L'INJECTION DE CARBURANT OME DANS UNE CHAMBRE DE COMBUSTION D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 3607185 A1 20200212 (DE)

Application

EP 18715608 A 20180329

Priority

- DE 102017206019 A 20170407
- EP 2018058059 W 20180329

Abstract (en)

[origin: WO2018184969A1] The invention relates to a combustion chamber arrangement (10) for the injection of an OME fuel (42), wherein a piston end face (20) of a piston (46) is in the form of a plane (48), at least in the region in contact with the OME fuel (42) during operation. The invention also relates to a combustion chamber arrangement (10) in which the piston (46) is in the form of a bowl-in piston (16) having a bowl (22) which has a constant curvature (K) in a section parallel to a piston longitudinal axis (26). The invention also relates to the use of such a combustion chamber arrangement (10) for the injection of OME fuel (42) into a combustion chamber (12) of an internal combustion engine.

IPC 8 full level

F02B 23/06 (2006.01); **F02F 3/28** (2006.01)

CPC (source: EP)

F02B 23/0636 (2013.01); **F02B 23/0639** (2013.01); **F02B 23/0675** (2013.01); **F02F 3/28** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)

See references of WO 2018184969A1

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)

DE 102017206019 B3 20180920; EP 3607185 A1 20200212; WO 2018184969 A1 20181011

DOCDB simple family (application)

DE 102017206019 A 20170407; EP 18715608 A 20180329; EP 2018058059 W 20180329