

Title (en)
A PISTON ENGINE EQUIPPED WITH A FLUID DISTRIBUTION ELEMENT

Title (de)
KOLBENMOTOR MIT EINEM FLUIDVERTEILUNGSELEMENT

Title (fr)
MOTEUR À PISTON ÉQUIPÉ D'UN ÉLÉMENT DE DISTRIBUTION DE FLUIDE

Publication
EP 3724485 B1 20220209 (EN)

Application
EP 17821671 A 20171214

Priority
FI 2017050891 W 20171214

Abstract (en)
[origin: WO2019115856A1] A fluid distribution element (1) for a piston engine, having at least two longitudinal parallel fluid channels (2a, 2b, 2c, 2d) adjacent to each other. Each of the fluid channels comprises an inlet (3a, 3b, 3c, 3d), and, for at least one cylinder in an associated bank of the respective piston engine, an outlet (4a, 4a', 4b, 4c, 4d) for providing fluid communication between the fluid channel and a respective cylinder head. The fluid channels are defined by separate longitudinal profile pieces (5a, 5b, 5c, 5d) arranged side-by-side, such that adjacent profile pieces are adjoined by welding, so as to form at least two closed cross-sectional profiles defining the at least two fluid channels. A fixture arrangement (6) is provided for fixing the fluid distribution element to the respective piston engine.

IPC 8 full level
F02M 55/02 (2006.01); **F01P 11/04** (2006.01); **F02F 1/24** (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP KR)
F01P 11/04 (2013.01 - EP KR); **F02F 1/24** (2013.01 - KR); **F02M 55/025** (2013.01 - EP KR); **F02M 63/0001** (2013.01 - KR); **F02M 63/029** (2013.01 - EP KR); **F02M 69/465** (2013.01 - EP KR); **F02F 1/24** (2013.01 - EP); **F02M 63/0001** (2013.01 - EP); **F02M 2200/8084** (2013.01 - EP KR)

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 2019115856 A1 20190620; CN 111527301 A 20200811; CN 111527301 B 20220412; EP 3724485 A1 20201021; EP 3724485 B1 20220209; KR 102439058 B1 20220831; KR 20200089696 A 20200727

DOCDB simple family (application)
FI 2017050891 W 20171214; CN 201780097666 A 20171214; EP 17821671 A 20171214; KR 20207016878 A 20171214