

Title (en)  
FLUID DISTRIBUTOR FOR AN INJECTION SYSTEM, IN PARTICULAR A FUEL DISTRIBUTOR RAIL FOR A FUEL INJECTION SYSTEM FOR MIXTURE-COMPRESSING SPARK-IGNITION INTERNAL COMBUSTION ENGINES

Title (de)  
FLUIDVERTEILER FÜR EINE EINSPRITZANLAGE, INSBESONDERE BRENNSTOFFVERTEILERLEISTE FÜR EINE BRENNSTOFFEINSPRITZANLAGE FÜR GEMISCHVERDICHTENDE, FREMDGEZÜNDETE BRENNKRAFTMASCHINEN

Title (fr)  
DISTRIBUTEUR DE FLUIDE POUR UN SYSTÈME D'INJECTION, EN PARTICULIER UN RAIL DE DISTRIBUTION DE CARBURANT POUR UN SYSTÈME D'INJECTION DE CARBURANT POUR MOTEURS À COMBUSTION INTERNE À ALLUMAGE COMMANDÉ À COMPRESSION DE MÉLANGE

Publication  
**EP 4077907 A1 20221026 (DE)**

Application  
**EP 20808355 A 20201117**

Priority  
• DE 102019220377 A 20191220  
• EP 2020082358 W 20201117

Abstract (en)  
[origin: WO2021121826A1] The invention relates to a fluid distributor (1) for an injection system (100), in particular a fuel distributor rail (1) for a fuel injection system (100) for mixture-compressing spark-ignition internal combustion engines, comprising a tubular main part (2) which is preferably worked in a single-stage or multi-stage forging process. The main part (2) is equipped with a first high-pressure outlet (9A), a second high-pressure outlet (9B), a third high-pressure outlet (9C), and a fourth high-pressure outlet, wherein the second high-pressure outlet (9B) is offset to the first high-pressure outlet (9A) in a first direction (X1) along a longitudinal axis (4) of the tubular main part (2) by a specified distance (24), the third high-pressure outlet (9C) is offset to the second high-pressure outlet (9B) in the first direction (X1) along the longitudinal axis (4) by the specified distance (24), and the fourth high-pressure outlet (9D) is offset to the third high-pressure outlet (9C) in the first direction (X1) along the longitudinal axis (4) by the specified distance (24).

IPC 8 full level  
**F02M 55/02** (2006.01); **F02M 61/14** (2006.01); **F02M 69/46** (2006.01)

CPC (source: EP KR US)  
**F02M 55/025** (2013.01 - EP KR US); **F02M 61/14** (2013.01 - EP KR US); **F02M 61/166** (2013.01 - US); **F02M 61/168** (2013.01 - US); **F02M 69/465** (2013.01 - EP KR US); **Y02T 10/30** (2013.01 - EP)

Citation (search report)  
See references of WO 2021121826A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**DE 102019220377 A1 20210624**; CN 115151724 A 20221004; EP 4077907 A1 20221026; JP 2023507217 A 20230221; KR 20220113520 A 20220812; US 2023008682 A1 20230112; WO 2021121826 A1 20210624

DOCDB simple family (application)  
**DE 102019220377 A 20191220**; CN 202080097266 A 20201117; EP 2020082358 W 20201117; EP 20808355 A 20201117; JP 2022538274 A 20201117; KR 20227024543 A 20201117; US 202017787652 A 20201117