

Title (en)

AIR INTAKE PORT FOR A LEAN-BURN GASOLINE ENGINE

Title (de)

LUFTEINLASSSTUTZEN FÜR EINE BRENNKRAFTMASCHINE MIT MAGERGEMISCHVERBRENNUNG

Title (fr)

ORIFICE D'ADMISSION D'AIR POUR MOTEUR À ESSENCE À MÉLANGE PAUVRE

Publication

**EP 4314537 A1 20240207 (EN)**

Application

**EP 21716624 A 20210326**

Priority

EP 2021057919 W 20210326

Abstract (en)

[origin: WO2022199834A1] An air intake port (10) for a lean-burn gasoline engine (110), the air intake port (10) comprising an air inlet (14), two air outlets (15a, 15b), and an air channel connecting the air inlet (14) to the two air outlets (15a, 15b) and comprising an upstream common duct (11) and two downstream port legs (12a, 12b), the two downstream port legs (12a, 12b) branching off from the common duct (11) at a bifurcation point (13). The two port legs (12a, 12b) diverge from the bifurcation point (13) and are shaped to be parallel or converge proximal to the two air outlets (15a, 15b).

IPC 8 full level

**F02M 35/10** (2006.01); **F02F 1/42** (2006.01)

CPC (source: EP)

**F02M 35/10091** (2013.01); **F02M 35/10288** (2013.01); **F02F 1/4235** (2013.01)

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)

**WO 2022199834 A1 20220929**; EP 4314537 A1 20240207

DOCDB simple family (application)

**EP 2021057919 W 20210326**; EP 21716624 A 20210326