Title (en)

AN INTAKE SYSTEM FOR A TWO WHEELED VEHICLE

Title (de)

EINLASSSYSTEM FÜR EIN ZWEIRADFAHRZEUG

Title (fr)

SYSTÈME D'ADMISSION DESTINÉ À UN VÉHICULE À DEUX ROUES

Publication

**EP 3519690 A4 20200729 (EN)**

Application

**EP 17855117 A 20170927**

Priority

- IN 201641033476 A 20160930
- IB 2017055894 W 20170927

Abstract (en)

[origin: WO2018060874A1] The present subject matter discloses an intake system for an internal combustion engine (101) comprising two inlet ports (210, 220) in its cylinder head (101b). The intake system comprises a fuel injector valve (201) mounted on a pipe intake (204) and configured to direct fuel inside the two intake ports (210,220). The fuel injection valve (201) is mounted to have a fuel injector axis (X-X) at a predetermined acute angle (Θ) with reference to a horizontal plane (Y-Y), and said fuel injector valve (201) mounted at a predetermined horizontal distance (a) between the tip of the fuel injection valve (201) and the cylinder head (101a). This ensures that, the fuel injected inside the two intake ports (210, 220) takes the shortest path with minimum wall wetting.

IPC 8 full level

**F02M 35/02** (2006.01); **F02M 35/10** (2006.01); **F02M 61/14** (2006.01); **F02M 69/36** (2006.01)

CPC (source: EP US)

**F02M 35/02** (2013.01 - EP); **F02M 35/10** (2013.01 - EP); **F02M 35/1085** (2013.01 - EP US); **F02M 35/162** (2013.01 - EP); **F02M 61/145** (2013.01 - EP); **F02M 69/36** (2013.01 - EP); F02B 2023/103 (2013.01 - EP); Y02T 10/12 (2013.01 - EP)

Citation (search report)

- [XI] EP 1681459 A1 20060719 - YAMAHA MOTOR CO LTD [JP]
- See references of WO 2018060874A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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