

Title (en)

INTAKE AND INJECTION DEVICE, SYSTEM AND INTERNAL COMBUSTION ENGINE

Title (de)

ANSAUG- UND EINSPRITZVORRICHTUNG, SYSTEM UND BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'ASPIRATION ET D'INJECTION, SYSTÈME ET MOTEUR À COMBUSTION INTERNE

Publication

**EP 2697499 A1 20140219 (DE)**

Application

**EP 12709582 A 20120312**

Priority

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- EP 2012054254 W 20120312

Abstract (en)

[origin: WO2012139836A1] Proposed is an intake and injection device (1') for a combustion system (1), in particular of a motorcycle, having an injection valve arrangement (3) which is arranged in an intake pipe (9) leading to a combustion chamber (2) of the internal combustion engine, wherein the injection valve arrangement is designed to inject fuel (4) both in the direction of a first inlet opening (20) of the combustion chamber and also in the direction of a second inlet opening of the combustion chamber, wherein the intake and injection device furthermore has a throttle flap (30) which is arranged in the intake pipe and which is pivotable about an axis of rotation (31), and wherein the intake and injection device is designed such that the axis of rotation runs substantially parallel to an intermediate plane (100) which extends centrally through the intake pipe between the first and second inlet openings (10, 20).

IPC 8 full level

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CPC (source: EP US)

**F02M 35/10216** (2013.01 - EP US); **F02M 35/1085** (2013.01 - EP US); **F02M 57/00** (2013.01 - US); **F02M 69/044** (2013.01 - EP US); **F02P 15/02** (2013.01 - EP US); **F02P 15/08** (2013.01 - EP US); **F02D 41/3094** (2013.01 - EP US); **F02M 35/10177** (2013.01 - EP US); **F02M 35/162** (2013.01 - EP US)

Citation (search report)

See references of WO 2012139836A1

Designated contracting state (EPC)

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