

Title (en)
GAS EXCHANGE VALVE ARRANGEMENT AND CYLINDER HEAD

Title (de)
GASWECHSELVENTILANORDNUNG UND ZYLINDERKOPF

Title (fr)
DISPOSITION DE SOUPAPE DE DISTRIBUTION DE GAZ ET CULASSE

Publication
EP 2670957 B1 20150617 (EN)

Application
EP 12706626 A 20120130

Priority

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- FI 2012050080 W 20120130

Abstract (en)
[origin: WO2012104482A1] A gas exchange valve arrangement for a supercharged internal combustion engine, which arrangement comprises a gas exchange valve (1) having a valve head (2) and a valve stem (3) connected to the valve head (2), the arrangement further comprising a valve spring (4) being arranged around the valve stem (3) for creating a force for closing the valve (1), a chamber (5) being arranged around the valve stem (3), and thrust means (6, 19) being attached to the valve stem (3) and being movable in the direction of the longitudinal axis of the valve stem (3) together with the gas exchange valve (1). The arrangement comprises means (7, 14) for introducing pressurized charge from an air intake duct (10) of the engine air into the chamber (5) between the thrust means (6, 19) and the inner end of the chamber (5) for assisting in keeping the valve (1) closed. The invention also concerns a cylinder head (9).

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Cited by
GB2557788A; WO2017048889A1

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