

Title (en)

EXHAUST VALVE ARRANGEMENT AND METHOD FOR CONTROLLING CLOSING OF AN EXHAUST VALVE

Title (de)

ABGASVENTILANORDNUNG UND VERFAHREN ZUR STEUERUNG DES SCHLIESSENS EINES ABGASVENTILS

Title (fr)

AGENCEMENT DE SOUPAPE D'ÉCHAPPEMENT ET PROCÉDÉ DE COMMANDE DE FERMETURE DE SOUPAPE D'ÉCHAPPEMENT

Publication

**EP 2941545 A1 20151111 (EN)**

Application

**EP 13818759 A 20131227**

Priority

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- FI 2013051204 W 20131227

Abstract (en)

[origin: WO2014106681A1] The exhaust valve arrangement for a piston engine comprises force transmission means (2, 3, 14, 19) that are arranged between a cam (1) and an exhaust valve (13). Hydraulic fluid can be introduced into a fluid chamber (4) during the opening movement of the exhaust valve (13). A piston (7) is arranged in the fluid chamber (4) and connected to the force transmission means (2, 3, 4, 19). By controlling outflow from the chamber (4), the closing speed of the exhaust valve (13) can be controlled. Outflow from the chamber (4) is allowed at a rate that allows the closing curve of the exhaust valve (13) to follow the cam curve at least until the exhaust valve (13) has moved a certain predetermined distance in the closing direction.

IPC 8 full level

**F01L 1/14** (2006.01); **F01L 1/16** (2006.01); **F01L 9/14** (2021.01); **F01L 13/00** (2006.01)

CPC (source: EP FI)

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Citation (search report)

See references of WO 2014106681A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

**WO 2014106681 A1 20140710**; CN 104903552 A 20150909; CN 104903552 B 20171103; EP 2941545 A1 20151111; EP 2941545 B1 20161123; FI 20135003 L 20140704; KR 102192961 B1 20201218; KR 20150102118 A 20150904

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