

Title (en)

VALVE ROTATING MECHANISM FOR EXHAUST VALVES, ESPECIALLY FOR MARINE DIESEL ENGINES

Title (de)

VENTILDREHVORRICHTUNG FÜR AUSLASSVENTILE, INSBESONDERE VON SCHIFFSDIESELMOTOREN

Title (fr)

DISPOSITIF ROTATEUR DE SOUPAPE POUR SOUPAPES D'ECHAPPEMENT, EN PARTICULIER DE MOTEURS DIESEL DE BATEAUX

Publication

**EP 1642010 A1 20060405 (DE)**

Application

**EP 04729638 A 20040427**

Priority

EP 2004004437 W 20040427

Abstract (en)

[origin: WO2005116408A1] The invention relates to a valve rotating mechanism for exhaust valves, especially for marine diesel engines, which is supported in a valve housing for the valve stem (1) between an upper and a lower drive element. Said valve rotating mechanism is linked with the lower drive element via a free-wheel device that transmits a rotation of the valve stem (1) during the closing movement. The mechanism is also supported in relation to the upper drive element via a rotation cylinder (15) which, when engaged with a stationary support cylinder (13), brings about the rotation of the valve stem (1). The rotation cylinder (15) and the support cylinder (13) engage with each other by means of a helical gearing, the rotation cylinder (15) being linked with the valve stem (1) via the free-wheel device and the support cylinder (13) being fastened on the housing.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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