

Title (en)

Engine brake for air compressing engine.

Title (de)

Motorbremse für luftverdichtende Brennkraftmaschinen.

Title (fr)

Frein moteur pour moteur à compression d'air.

Publication

EP 0407842 B1 19931208 (DE)

Application

EP 90112529 A 19900630

Priority

DE 3922884 A 19890712

Abstract (en)

[origin: EP0407842A1] The invention relates to an engine brake for air compressing internal combustion engines. To improve the braking power of the internal combustion engine, the invention proposes to combine a universally known engine brake using throttling of an engine exhaust by means of a throttle valve with a likewise known engine brake in which an exhaust valve (1) can be raised not only by the cam mechanism (2) but can also be raised slightly by a piston (3) during the exhaust stroke. By virtue of the combination according to the invention, braking work is performed not only during the exhaust stroke but also during the compression stroke, with the result that the braking power can be increased by about 50 to 60% and by 80 to 90% compared to the nowadays customary exhaust brakes and enters the range of the useful power output. <IMAGE>

IPC 1-7

F01L 13/06; F02D 9/06

IPC 8 full level

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CPC (source: EP US)

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Cited by

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