

Title (en)

FOUR STROKES INTERNAL COMBUSTION ENGINE WITH AN ENGINE BRAKE

Title (de)

VIERTAKT-BRENNKRAFTMASCHINE MIT EINER MOTORBREMSE

Title (fr)

MOTEUR À COMBUSTION INTERNE À QUATRE TEMPS AVEC FREIN MOTEUR

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Application

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Abstract (en)

[origin: WO2012038190A1] The invention relates to a four-stroke internal combustion engine with an engine brake (4), with at least one exhaust valve (1) per cylinder, said valve being actuated by means of a cam (21) of a camshaft (2) and at least one first valve lever arrangement (5), the first valve lever arrangement (5) having a first lever arm (8) on the cam side and a second lever arm (9) on the exhaust valve side, and with an arrangement for advancing the exhaust control system (1). According to the invention, in order to produce an engine brake having dual braking phases as simply as possible and with minimal space requirements, the first valve lever arrangement (5) has a switching member (10) for moving the first lever arm (8) on the cam side between an operative position (A) and a braking position (B), and a cam-operated second valve lever arrangement (6) acts on the first lever arm (8) of the first valve lever arrangement (5).

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