

Title (en)
RECIPROCATING-PISTON MACHINE

Title (de)
HUBKOLBENMASCHINE

Title (fr)
MACHINE À PISTONS ALTERNATIFS

Publication
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Application
EP 17716101 A 20170330

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Abstract (en)
[origin: WO2017173471A1] The invention relates to a reciprocating-piston machine (1), comprising a valve actuation device (10) for at least one gas exchange valve, at least one valve stroke transmission device (11), which has at least one valve stroke transmission element (12), which is arranged between the gas exchange valve and the camshaft and which is mounted for movement between a first position associated with a closed position of the gas exchange valve and a second position associated with an open position of the gas exchange valve, at least one halting device having a halting element (40) being arranged in such a way that the halting element (40) is mounted for movement between an actuation position (60) and a release position (70) in a machine housing or a housing-fixed component (3) parallel to a guiding surface (34) of the first valve stroke transmission element (12) in such a way that the halting element at least slows the displacement motion of the first valve stroke transmission element (12) in the direction of the second position in the actuation position (60) of the halting element and releases said displacement motion in the release position (70), wherein the halting element (40) has an action surface (41) and the action surface bounds a pressure chamber (42) together with a counter-surface (35). The problem addressed by the invention is that of specifying a simple possibility for halting the gas exchange valve. Said problem is solved in that the counter-surface (35) and the guiding surface (34) are fixed to the housing.

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