

Title (en)

Air valve mechanism for two-cycle engine

Title (de)

Luftklappenmechanismus für Zweitakt-Brennkraftmaschine

Title (fr)

Mécanisme de soupape d'air pour moteur à deux temps

Publication

EP 1559899 B1 20150506 (EN)

Application

EP 03078818 A 20031203

Priority

EP 03078818 A 20031203

Abstract (en)

[origin: EP1559899A2] A Carbureted two-cycle engine including an intake channel, a choke valve in the intake channel fixed to a pivotable choke valve shaft and lever, and a throttle valve in the intake channel fixed to a pivotable throttle valve shaft and lever. The engine includes an air channel in communication with fresh air, and an air valve fixed to a pivotable air valve shaft and lever. A piston within a cylinder of the engine includes a transfer port for intermittently connecting the intake channel and the air channel with a combustion chamber. An activating lever pivotably mounted to the air valve shaft transmits movement of the throttle lever to the air valve lever after a predetermined angle of rotation of the throttle lever. A fast idle latch is engagable by the choke lever to hold the throttle lever in a fast idle position until the throttle lever is separately moved.

IPC 8 full level

F02M 17/00 (2006.01); **F02B 17/00** (2006.01); **F02B 25/22** (2006.01)

CPC (source: EP)

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