

Title (en)
RECYCLING CIRCUIT FOR CRANKCASE GASES ON AN INTERNAL COMBUSTION ENGINE

Title (de)
VORRICHTUNG ZUR ENTLÜFTUNG EINES KURBELGEHÄUSES EINER BRENNKRAFTMASCHINE

Title (fr)
CIRCUIT DE REASPIRATION DES GAZ DE CARTER D'UN MOTEUR A COMBUSTION INTERNE

Publication
EP 1402155 B1 20071212 (FR)

Application
EP 02758291 A 20020702

Priority
• EP 0207265 W 20020702
• FR 0108789 A 20010702

Abstract (en)
[origin: US2004211400A1] A recycling circuit for crankcase gases from an internal combustion engine having an intake manifold with a throttling valve assembly and a cylinder head cover, in which a valve facilitates at least partial control of the flow of crankcase gases to be recirculated. The valve includes a spring and a diaphragm which divides the valve into two distinct chambers, one communicating with the atmosphere and the other communicating with the intake manifold, located downstream of the valve assembly, with a crankcase gas sampler, in which the chamber in communication with the manifold and with the crankcase gas sampler is integrated in the intake manifold and/or the cylinder head cover such that the membrane assures sealing of a part of the manifold or the cylinder head cover from the atmosphere.

IPC 8 full level
F01M 13/02 (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP US)
F01M 13/0011 (2013.01 - EP US); **F01M 13/023** (2013.01 - EP US); **F02F 7/006** (2013.01 - EP US); **F01M 2013/0016** (2013.01 - EP US)

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