

Title (en)  
INTERNAL COMBUSTION ENGINE

Title (de)  
BRENNKRAFTMASCHINE

Title (fr)  
MOTEUR À COMBUSTION INTERNE

Publication  
**EP 1982062 A1 20081022 (DE)**

Application  
**EP 07711397 A 20070127**

Priority  
• EP 2007000722 W 20070127  
• DE 102006005336 A 20060207

Abstract (en)  
[origin: WO2007090532A1] The invention relates to an internal combustion engine for operation alternately in spark-ignited four-stroke power cycle operation and with two-stroke engine braking operation, provided with a cam adjuster (23) for adjusting the cam profiles of both inlet valve (5) and outlet valve (7). On transition from power cycle operation to engine braking operation the cam adjuster device (23) actuates the exhaust valve (7) such that during the entire engine operating cycle, both in the expansion phase and the compression phase said valve is in a permanently open position.

IPC 8 full level  
**F02D 13/04** (2006.01)

CPC (source: EP US)  
**F01L 13/0036** (2013.01 - EP US); **F01L 13/06** (2013.01 - EP US); **F02B 37/18** (2013.01 - EP US); **F02B 37/24** (2013.01 - EP US);  
**F02D 13/0207** (2013.01 - EP US); **F02D 13/04** (2013.01 - EP US); **F01L 2013/0052** (2013.01 - EP US); **F02B 2075/025** (2013.01 - EP US);  
**F02B 2075/027** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007090532A1

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**DE 102006005336 A1 20070809**; CN 101379278 A 20090304; EP 1982062 A1 20081022; JP 2009526160 A 20090716;  
US 2009038584 A1 20090212; WO 2007090532 A1 20070816

DOCDB simple family (application)  
**DE 102006005336 A 20060207**; CN 200780004812 A 20070127; EP 07711397 A 20070127; EP 2007000722 W 20070127;  
JP 2008553651 A 20070127; US 22179008 A 20080806