

Title (en)
METHOD OF CONVERTING A TWO-STROKE ENGINE

Title (de)
METHODE ZUM UMBAU EINER ZWEITAKT-BRENNKRAFTMASCHINE

Title (fr)
PROCÉDÉ POUR LA CONVERSION D'UN MOTEUR À DEUX TEMPS

Publication
EP 2729682 A2 20140514 (EN)

Application
EP 11770825 A 20110708

Priority
FI 2011050643 W 20110708

Abstract (en)
[origin: WO2013007863A2] The invention relates a two-stroke internal combustion engine (10) comprising at least one cylinder (20) with a piston (24) arranged reciprocateably between its top dead center and bottom dead center, and a cylinder cover (26) defining a combustion chamber (22), oxygen containing gas inlet (18) in the lower part of the cylinder (20) to be open into the combustion chamber (22) at least while the piston is at its bottom dead center position, a gaseous fuel inlet (30) arranged in the cylinder between the oxygen containing gas inlet (18) and the cylinder cover(26), and an exhaust valve (28) arranged to the cylinder cover at a center axis of the cylinder. The cylinder cover(26) is provided with pilot ignition pre-chambers (36) opening into the combustion chamber (22) through pre-chamber ports (34). Invention relates also to method of operating a two-stroke engine (10).

IPC 8 full level
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Citation (search report)
See references of WO 2013007863A2

Citation (examination)
• WO 2009114264 A1 20090917 - CAMERON INT CORP [US], et al
• DE 4404899 A1 19950817 - AVL VERBRENNUNGSKRAFT MESSTECH [AT]

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