

Title (en)  
TWO-STROKE ENGINE

Publication  
**EP 0302045 B1 19920304 (DE)**

Application  
**EP 88890184 A 19880711**

Priority  
AT 193787 A 19870730

Abstract (en)  
[origin: EP0302045A2] In a two-stroke internal combustion engine with crankcase scavenging with an overflow pipe (2) whose overflow aperture (12) into the cylinder (1) is controlled by the engine piston (4), in order to improve the mixture formation and to reduce the fuel consumption and emission of hydrocarbons, it is proposed that the injection jet (7) of the injection nozzle (5) be directed onto the side (8) facing the cylinder chamber (1) and at least predominantly onto that half of the piston head (4) opposite the outlet aperture (13), the axis (7') of the injection jet (7) enclosing an angle (  $\alpha$  ) with the piston axis (10) which is smaller than 90 DEG . <IMAGE>

IPC 1-7  
**F02B 33/04**; **F02M 69/04**; **F02M 69/10**

IPC 8 full level  
**F02B 1/08** (2006.01); **F02B 23/00** (2006.01); **F02B 23/10** (2006.01); **F02B 25/16** (2006.01); **F02M 61/14** (2006.01); **F02M 69/04** (2006.01); **F02M 69/10** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)  
**F02M 69/045** (2013.01); **F02B 2075/025** (2013.01)

Cited by  
WO2010063048A1; US6092494A; EP0474623A3; US5791304A; DE10229365B4; EP0661431A3; US5553579A; US2014116392A1; US9046068B2; US6079379A; US5762040A; AT507635B1; AT515564A1; AT515564B1; CN105917106A; FR2692625A1; US5284111A; DE4219955B4; WO2015113096A1; FR2844300A1; DE102017102792A1; JP2020506329A; US6851402B2; US6293235B1; US6899067B2; WO0169544A1; US6691649B2; US6286469B1; WO9838419A1; US6273037B1; US6295957B1; US6912979B2; WO2018146251A1; US11149676B2

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