Title (en)
   TWO-CYCLE INTERNAL COMBUSTION ENGINE

Title (de)
   ZWEITAKT-VERBRENNUNGSMOTOR

Title (fr)
   MOTEUR A COMBUSTION INTERNE BICYCLIQUE

Publication
   EP 1707786 A1 20061004 (EN)

Application
   EP 04792479 A 20041015

Priority
   • JP 2004015262 W 20041015
   • JP 2003417619 A 20031216

Abstract (en)
   [Problems] To reduce the consumption of lubricating oil and the wearing in a two-cycle internal combustion engine designed to open or close the opening of a scavenging port 7 to a cylinder 2 or an exhaust port from the cylinder by a piston 6 which reciprocally moves in the cylinder. [Solving Means] As viewed in the direction of an axis 2a of the cylinder, the opening of the scavenging port 7 or the discharge port to an inner wall of the cylinder 2 is formed at a portion corresponding to an outer circumferential surface region 6a· 6b, 6b of the piston 6a· 6bt axially opposite ends of a piston pin 12. An oil storage space 13 is defined between the inner wall of the cylinder and the outer circumferential surface region of the piston which corresponds to the opening of the scavenging port or the discharge port so that lubricating oil between the inner wall of the cylinder and an outer circumferential surface region 6c, 6d of the piston on opposite sides of the piston pin 12 across the axis of the piston pin is pushed out into the oil storage space.

IPC 8 full level
   F01L 7/04 (2006.01); **F02F 3/00** (2006.01); **F02B 25/04** (2006.01); **F02B 25/16** (2006.01); **F02F 1/20** (2006.01); **F02F 1/22** (2006.01); F01M 3/00 (2006.01); F02B 75/02 (2006.01)

CPC (source: EP)
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Citation (search report)
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Designated contracting state (EPC)
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