

Title (en)
Handheld type four-cycle engine

Title (de)
Tragbarer Viertaktmotor

Title (fr)
Moteur à quatre temps portable

Publication
EP 1152130 A2 20011107 (EN)

Application
EP 01106696 A 20010316

Priority
• JP 2000079307 A 20000316
• JP 2000079308 A 20000316
• JP 2000083257 A 20000321

Abstract (en)
In an oil mist generation system, an oil slinger is disposed in an oil tank and is rotated by a crankshaft, the oil slinger scattering oil store in the oil tank by the rotation of the oil slinger so as to generate an oil mist. The oil mist generation system includes a drive gear provided on the crankshaft, and at least three oil slingers supported on three support shafts and simultaneously driven by the drive gear, the three support shafts being arranged around the drive gear. Therefore, besides a circular shape, various shapes can be imparted to the peripheral wall of the oil tank. <IMAGE>

IPC 1-7
F01M 1/04; **F02B 63/02**; **F01M 9/06**; **F01M 11/06**

IPC 8 full level
F01M 1/04 (2006.01); **F01M 9/06** (2006.01); **F02B 63/02** (2006.01); **F02B 67/06** (2006.01); **F02B 75/16** (2006.01); **F02F 1/00** (2006.01); **F02F 1/06** (2006.01); **F02F 1/30** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)
F01M 1/04 (2013.01); **F01M 9/06** (2013.01); **F02B 63/02** (2013.01); **F02B 67/06** (2013.01); **F02B 75/16** (2013.01); **F02F 1/002** (2013.01); **F02F 1/06** (2013.01); **F02F 1/305** (2013.01); **F02B 2075/027** (2013.01); **F02B 2275/22** (2013.01); **F02B 2275/30** (2013.01); **F02B 2275/34** (2013.01)

Cited by
EP1384865A1; CN117231525A; US6935297B2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 1152130 A2 20011107; **EP 1152130 A3 20030129**; **EP 1152130 B1 20060503**; DE 60119213 D1 20060608; DE 60119213 T2 20060831

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