

Title (en)
Engine

Title (de)
Brennkraftmaschine

Title (fr)
Moteur à combustion interne

Publication
EP 1130236 A2 20010905 (EN)

Application
EP 01104606 A 20010223

Priority
JP 2000054618 A 20000229

Abstract (en)
Engine with a crankshaft having a crankshaft axis supported by at least one crank journal bearing, and with an oil pump positioned in a vicinity of the crank journal bearing so as to at least partially overlap with said crank journal bearing in a direction of the crankshaft axis. <IMAGE>

IPC 1-7
F02B 61/02; F02B 75/16; F01M 1/02

IPC 8 full level
F01M 1/02 (2006.01); **F02B 61/02** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)
F01M 1/02 (2013.01); **F02B 61/02** (2013.01); **F02B 2075/025** (2013.01); **F02B 2075/027** (2013.01)

Cited by
EP1958813A1; US9976543B2

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ES FR IT

DOCDB simple family (publication)
EP 1130236 A2 20010905; **EP 1130236 A3 20020814**; **EP 1130236 B1 20070829**; CN 1230605 C 20051207; CN 1311387 A 20010905; ES 2292502 T3 20080316; ID 29369 A 20010830; JP 2001241310 A 20010907; MY 128203 A 20070131; TW 515768 B 20030101

DOCDB simple family (application)
EP 01104606 A 20010223; CN 01103324 A 20010131; ES 01104606 T 20010223; ID 20010096 D 20010129; JP 2000054618 A 20000229; MY PI20006042 A 20001221; TW 89127206 A 20001219