

Title (en)

Internal combustion multi-cylinder piston engine

Title (de)

Kolbenbrennkraftmaschine, insbesondere mehrzylindrige Kolbenbrennkraftmaschine

Title (fr)

Moteur multi-cylindres à pistons à combustion interne

Publication

EP 0921297 A3 20000621 (DE)

Application

EP 98121886 A 19981118

Priority

DE 19754007 A 19971205

Abstract (en)

[origin: DE19754007C1] The engine has a lower crankcase section (1) with tubular reinforcing beams (4,5) extending parallel to the crankshaft axis. The beams are connected by a bearing trunnion integral with the crankcase.

IPC 1-7

F02F 7/00; **F01M 1/02**; **F01M 1/12**

IPC 8 full level

F01M 1/02 (2006.01); **F01M 1/12** (2006.01); **F01M 11/03** (2006.01); **F01M 13/02** (2006.01); **F02F 7/00** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP)

F01M 1/02 (2013.01); **F01M 1/12** (2013.01); **F01M 11/03** (2013.01); **F01M 13/02** (2013.01); **F02F 7/0007** (2013.01); **F01M 2001/123** (2013.01); **F02B 2075/1812** (2013.01)

Citation (search report)

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- [Y] EP 0038560 A1 19811028 - NISSAN MOTOR [JP]
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Cited by

FR3087496A1; FR3035451A1; CN108105059A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19754007 C1 19990520; DE 59810543 D1 20040212; EP 0921297 A2 19990609; EP 0921297 A3 20000621; EP 0921297 B1 20040107

DOCDB simple family (application)

DE 19754007 A 19971205; DE 59810543 T 19981118; EP 98121886 A 19981118