

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 B1 20040107 (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)

Cited by

FR3087496A1; FR3035451A1; CN108105059A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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

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