

Title (en)
Multicylinder internal-combustion engine.

Title (de)
Mehrzylindrige Brennkraftmaschine.

Title (fr)
Moteur à combustion interne à plusieurs cylindres.

Publication
EP 0162272 A1 19851127 (DE)

Application
EP 85104487 A 19850412

Priority
DE 3414265 A 19840414

Abstract (en)
1. A multi-cylinder internal combustion engine with individually-arranged cylinder heads (12) and with an air conduit (2) extending in the longitudinally direction of the cylinder heads above the laterally-mounted cam-shaft for the combustion air, wherein a housing (49) having a closed interior space (50) is provided for the reception and screening of auxiliary machines (1) and conduits (16, 22 to 24 and 30) especially for fuel and lubricating oil, characterized by the combination of the following features : a) the air conduit (2) comprises individual component pieces (3) each extending over one cylinder width ; b) each component piece (3) is equipped with additional walls (6 to 8), of which individual walls (7), starting from the cylinder head (12), are provided with bores (26, 27) extending in the longitudinal direction of the respective wall (7), which bores are in communication with supply conduits (22, 23, 24) ; c) each component piece (3) is also equipped with stiffening walls (9) which comprise apertures (21) for conduits, pump linkages etc. and also serve as holders for single or bunched conduits and for assembly access covers (44).

Abstract (de)
Die Erfindung betrifft eine mehrzylindrige Brennkraftmaschine mit Einzelzylinderköpfen (12) und einer oberhalb der Nockenwelle angeordneten Luftleitung (2) mit daran zusätzlich befestigten Wänden (6 bis 8), die mit angrenzenden Wänden (48) des Kurbelgehäuses (35) und abschließenden Montagedeckeln (44) ein Gehäuse (49) mit einem geschlossenen Innenraum (50) bilden, in dem die Leitungen (16,20,23,24,30) für Kraftstoff und Schmieröl angeordnet sind.

IPC 1-7
F02B 75/18

IPC 8 full level
F02B 75/18 (2006.01); **F02B 77/11** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP)
F02B 77/11 (2013.01); **F02F 7/0046** (2013.01)

Citation (search report)
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• [A] DE 2710885 A1 19780914 - KLOECKNER HUMBOLDT DEUTZ AG
• [A] MOTORSHIP, Band 65, Nr. 768, Juli 1984, Seiten 23-25, Sutton, Surrey, GB; "Endurance tests on Vasa 220mm bore engine promise reliability on 700 cSt fuel"
• [A] DIESEL & GAS TURBINE WORLDWIDE, 1983, Seiten 30-32, Brookfield, US; "Medium speed diesel series designed for future fuels"

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GB2389147A; WO03102398A1; US7389759B2

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