

Title (en)
MULTI-CYLINDER PISTON ENGINE

Title (de)
MEHRZYLINDER BRENNKRAFTMASCHINE

Title (fr)
MOTEUR MULTICYLINDRES

Publication
EP 2710253 A1 20140326 (EN)

Application
EP 12726142 A 20120511

Priority

- FI 20115471 A 20110517
- FI 2012050455 W 20120511

Abstract (en)
[origin: WO2012156584A1] The multi-cylinder piston engine (20) comprises at least one cam-operated valve lifting device (4) for each cylinder (19) of the engine (20), the valve lifting device (4) being arranged to open a gas exchange valve (24, 25), and a starting arrangement comprising a pressure medium source (18), at least one starting valve (10) for introducing pressure medium into a cylinder (19) of the engine (20), means (26) for connecting the pressure medium source (18) to the starting valves (10), and a control valve (12) for each cylinder (19) that is provided with a starting valve (10) for controlling the operation of the starting valve (10). Each control valve (12) is arranged to be operated by a gas exchange cam (1) of the respective cylinder (19).

IPC 8 full level
F02N 9/04 (2006.01); **F01L 1/08** (2006.01); **F01L 1/46** (2006.01)

CPC (source: EP FI KR)
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Citation (search report)
See references of WO 2012156584A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2012156584 A1 20121122; CN 103534478 A 20140122; CN 103534478 B 20160113; EP 2710253 A1 20140326; EP 2710253 B1 20150415; FI 124085 B 20140314; FI 20115471 A0 20110517; FI 20115471 A 20121118; FI 20115471 L 20121118; JP 2014513775 A 20140605; JP 5926372 B2 20160525; KR 101729371 B1 20170421; KR 20140045404 A 20140416

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