

Title (en)
PISTON MACHINE

Title (de)
KOLBENMASCHINE

Title (fr)
MACHINE À PISTONS

Publication
EP 2603667 A2 20130619 (DE)

Application
EP 11816128 A 20110809

Priority
• DE 102010036977 A 20100813
• DE 2011075189 W 20110809

Abstract (en)
[origin: DE102010036977B3] The reciprocating engine has a housing (3) with circular cylindrical segment-shaped hollow space, inlet valves (18a-18c) and outlet valves (19a-19c) and pivotal dual piston plates (1,2) that limits the variable working spaces. The dual piston plates are arranged parallel to each other and are driven in a set direction in a synchronous manner. The housing is formed of two or multiple housing parts (3a,3b). The dual piston plates are assigned to each housing part.

IPC 8 full level
F01C 21/10 (2006.01); **F01C 9/00** (2006.01); **F01C 11/00** (2006.01); **F01C 17/02** (2006.01); **F01C 17/04** (2006.01); **F01C 21/00** (2006.01)

CPC (source: EP US)
F01B 3/00 (2013.01 - US); **F01C 9/002** (2013.01 - EP US); **F01C 11/002** (2013.01 - EP US); **F01C 17/02** (2013.01 - EP US); **F01C 17/04** (2013.01 - EP US); **F01C 21/008** (2013.01 - EP US); **F01C 21/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2012019604A2

Citation (third parties)
Third party :
• DE 3511001 A1 19851205 - SCHMIDT ERNST LUDWIG DIPL ING
• WO 2007103621 A2 20070913 - KARNES DYN0 REV ENGINE INC [US], et al

Cited by
DE102022122759A1; WO2023232672A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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