

Title (en)  
PISTON MACHINE

Title (de)  
KOLBENMASCHINE

Title (fr)  
MACHINE À PISTONS

Publication  
**EP 2603667 B1 20161123 (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 9/00** (2006.01); **F01C 11/00** (2006.01); **F01C 17/02** (2006.01); **F01C 17/04** (2006.01); **F01C 21/00** (2006.01); **F01C 21/10** (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 (examination)  
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• US 2009081061 A1 20090326 - CHOMYSZAK STEPHEN M [US], et al  
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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)  
**DE 102010036977 B3 20111110**; EP 2603667 A2 20130619; EP 2603667 B1 20161123; EP 2603667 B8 20170301; ES 2641857 T3 20171114; US 2013205990 A1 20130815; WO 2012019604 A2 20120216; WO 2012019604 A3 20130307

DOCDB simple family (application)  
**DE 102010036977 A 20100813**; DE 2011075189 W 20110809; EP 11816128 A 20110809; ES 11816128 T 20110809; US 201113816550 A 20110809