

Title (en)  
RECIPROCATING PISTON ENGINE

Title (de)  
HUBKOLBENMASCHINE

Title (fr)  
MACHINE À PISTON ALTERNATIF

Publication  
**EP 2318713 A1 20110511 (DE)**

Application  
**EP 09777260 A 20090717**

Priority  
• EP 2009005204 W 20090717  
• DE 102008045329 A 20080821

Abstract (en)  
[origin: WO2010020318A1] The invention relates to a reciprocating piston engine, particularly for motor vehicles, having - at least one piston displaceably supported in a cylinder bore and having - a valve device (1) acting together with the at least one piston, said valve device comprising a valve plate (3) and an intake valve (5) having a plurality of valve fingers (7).

IPC 8 full level  
**F04B 39/10** (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP US)  
**F04B 27/1009** (2013.01 - EP US); **F04B 39/1066** (2013.01 - EP US); **F04B 39/1073** (2013.01 - EP US)

Citation (examination)  
• US 2004035468 A1 20040226 - SHIM JAE-SUL [KR]  
• US 5228468 A 19930720 - KAPADIA NEVILLE D [US]  
• See also references of WO 2010020318A1

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DOCDB simple family (publication)  
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