

Title (en)  
CONSTANT-VOLUME COMBUSTION ENGINE

Title (de)  
GLEICHRAUMVERBRENNUNGSMOTOR

Title (fr)  
MOTEUR À COMBUSTION INTERNE À VOLUME CONSTANT

Publication  
**EP 3092370 B1 20190417 (DE)**

Application  
**EP 14806267 A 20141203**

Priority  
• DE 102013225147 A 20131206  
• EP 2014076351 W 20141203

Abstract (en)  
[origin: WO2015082517A2] The invention relates to a constant-volume combustion engine (10; 110; 210), in particular a reciprocating engine for generating mechanical energy by the expansion of a gas or a hot gas from the combustion of a gas mixture or gas-fuel mixture, having at least one piston/cylinder unit, the piston (14; 114; 214) of which is connected to a piston rod (20; 120; 220), wherein said piston rod (20; 120; 220) is drivingly connected to at least two crankshafts (30, 40; 130, 140; 230a, 230b, 240), the first crankshaft (40; 140; 240) being mounted, such that it can rotate eccentrically, on the second crankshaft (30; 130; 230a, 230b), which is parallel thereto and is rotationally coupled thereto.

IPC 8 full level  
**F01B 9/04** (2006.01); **F01B 1/10** (2006.01); **F02B 75/06** (2006.01); **F02B 75/32** (2006.01)

CPC (source: EP US)  
**F01B 1/10** (2013.01 - EP US); **F01B 9/042** (2013.01 - EP US); **F02B 75/04** (2013.01 - US); **F02B 75/32** (2013.01 - EP US);  
**F01B 2009/045** (2013.01 - EP US); **F02B 75/065** (2013.01 - EP US)

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)  
**WO 2015082517 A2 20150611; WO 2015082517 A3 20150730**; DE 102013225147 A1 20150611; EP 3092370 A2 20161116;  
EP 3092370 B1 20190417; US 10309301 B2 20190604; US 2016333779 A1 20161117

DOCDB simple family (application)  
**EP 2014076351 W 20141203**; DE 102013225147 A 20131206; EP 14806267 A 20141203; US 201415101836 A 20141203