

Title (en)  
EXTERNAL COMBUSTION ENGINE

Title (de)  
EXTERNER VERBRENNUNGSMOTOR

Title (fr)  
MOTEUR À COMBUSTION EXTERNE

Publication  
**EP 3099919 B1 20200304 (FR)**

Application  
**EP 15704035 A 20150107**

Priority

- FR 1400185 A 20140127
- FR 2015000002 W 20150107

Abstract (en)  
[origin: WO2015110726A1] The invention concerns an external combustion engine comprising at least: a cylinder (3) having one closed end (3c); a piston (2) that is movable inside the cylinder, defining a chamber (6a, 6b, 6c) filled with a gaseous fluid; at least one heater (4) and at least one cooler (5a or 5b) acting on the chamber in the cylinder (3) such as to move the movable piston (2) between a first maximum expansion position of the chamber and a second maximum compression position of the chamber; and a mechanism slaving the translational movement of the piston (2), characterised in that the piston (2) consists of at least a base (10) sliding sealingly in the cylinder (3), a mover (11) sliding non-sealingly in the cylinder (3), and a drive shaft (12) driving the mover (11) by the base (10).

IPC 8 full level  
**F02G 1/043** (2006.01)

CPC (source: EP)  
**F02G 1/043** (2013.01); **F02G 1/06** (2013.01); **F02G 2243/02** (2013.01); **F02G 2270/30** (2013.01); **F02G 2270/40** (2013.01)

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 2015110726 A1 20150730; WO 2015110726 A8 20150827**; EP 3099919 A1 20161207; EP 3099919 B1 20200304;  
FR 3016927 A1 20150731; FR 3016927 B1 20181123

DOCDB simple family (application)  
**FR 2015000002 W 20150107**; EP 15704035 A 20150107; FR 1400185 A 20140127