

Title (en)
POWER UNIT

Title (de)
STROMAGGREGAT

Title (fr)
GROUPE ÉLECTROGÈNE

Publication
EP 3207233 A1 20170823 (DE)

Application
EP 15770524 A 20150928

Priority
• DE 102014115041 A 20141016
• EP 2015072195 W 20150928

Abstract (en)
[origin: WO2016058809A1] The invention relates to a power unit, in particular for a hybrid electric vehicle, having a two-cylinder reciprocating piston engine, which comprises two pistons guided in two cylinders in tandem arrangement and two counter-rotating crankshafts (10, 11) connected to the pistons by connecting rods, and a generator (15) which can be driven by the crankshafts, the crankshafts (10, 11) being mechanically coupled so as to be in phase. The crankshafts (10, 11) are coupled by means of a toothed chain (14) which is toothed on both sides, the first side of the toothed chain (14) being in engagement with a sprocket wheel (12) of the one crankshaft (10) and the second side of the toothed chain (14) with a sprocket wheel (13) of the other crankshaft (11), and the toothed chain (14) and the crankshafts (10, 11) forming a toothed chain drive which is connected to the generator (15).

IPC 8 full level
F02B 67/06 (2006.01); **B60K 6/24** (2007.10); **F01B 1/10** (2006.01); **F02B 63/04** (2006.01); **F02B 75/18** (2006.01); **F02B 75/22** (2006.01)

CPC (source: EP)
F01B 1/10 (2013.01); **F02B 67/06** (2013.01); **F02B 75/225** (2013.01); **F02B 63/04** (2013.01); **F02B 75/228** (2013.01); **F02B 2075/1808** (2013.01)

Citation (search report)
See references of WO 2016058809A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014115041 A1 20160421; EP 3207233 A1 20170823; EP 3207233 B1 20180926; WO 2016058809 A1 20160421

DOCDB simple family (application)
DE 102014115041 A 20141016; EP 15770524 A 20150928; EP 2015072195 W 20150928