

Title (en)
Engine System

Title (de)
Motorsystem

Title (fr)
Système motorisé

Publication
EP 2719883 B1 20141105 (EN)

Application
EP 13188298 A 20131011

Priority
JP 2012226053 A 20121011

Abstract (en)
[origin: EP2719883A1] An engine system includes a single-cylinder engine (10) and an ECU. A crankshaft (13) is rotated in a reverse direction by a starter/generator (14) at the start-up of the engine. A valve driver (17) drives an intake valve (15) such that fuel injected by an injector is led to a combustion chamber (31a) from an intake passage (22) through an intake port at a first time point in a period during which the crankshaft (13) is rotated in the reverse direction. Thereafter, a fuel-air mixture is ignited by an ignition plug at a second time point at which the fuel-air mixture is compressed in the combustion chamber (31a) by the rotation of the crankshaft (13) in the reverse direction and a piston does not reach a compression top dead center.

IPC 8 full level
F02D 41/06 (2006.01); **F02N 11/04** (2006.01); **F02N 19/00** (2010.01); **F02N 99/00** (2010.01); **F01L 1/047** (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP)
F02D 41/062 (2013.01); **F02N 11/04** (2013.01); **F02N 19/005** (2013.01); **F02N 99/008** (2013.01); **F01L 1/34413** (2013.01); **F01L 2001/0473** (2013.01); **F02D 2250/06** (2013.01); **F02N 19/004** (2013.01); **F02N 99/004** (2013.01); **F02N 2019/007** (2013.01)

Cited by
EP2881566A1; EP2881565A1; EP3309375A4; EP3309376A4; EP3173605A4; EP2952731A1; EP3147495A1; EP2998546A4; EP3002450A1; EP3173606A4; TWI596274B

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