

Title (en)  
ENGINE SYSTEM AND VEHICLE

Title (de)  
MOTORSYSTEM UND FAHRZEUG

Title (fr)  
SYSTÈME DE MOTEUR ET VÉHICULE

Publication  
**EP 3203056 A4 20180620 (EN)**

Application  
**EP 15846146 A 20150702**

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• JP 2015087874 A 20150422  
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Abstract (en)  
[origin: EP3203056A1] An EUC controls an engine and an integrated starter generator such that an engine start-up operation including at least a reverse rotation start-up operation is performed. In the reverse rotation start-up operation, a fuel-air mixture is introduced into a first cylinder while a crankshaft is rotated in a reverse direction, and the crankshaft is driven in a forward direction by combustion of the fuel-air mixture in the first cylinder. A decompression mechanism, in the engine start-up operation, reduces pressure in the first cylinder or another cylinder such that an increase in rotational resistance of the crankshaft caused by an increase in pressure in the first cylinder or the other cylinder is inhibited.

IPC 8 full level  
**F02D 15/00** (2006.01); **F01L 13/02** (2006.01); **F01L 13/08** (2006.01); **F02D 29/02** (2006.01); **F02D 45/00** (2006.01); **F02N 11/08** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [X] EP 1840360 A1 20071003 - MAZDA MOTOR [JP]  
• [X] JP 2008202557 A 20080904 - KOKUSAN DENKI CO  
• See references of WO 2016051629A1

Cited by  
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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)  
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