

Title (en)  
ENGINE SYSTEM AND STRADDLED VEHICLE

Title (de)  
VERBRENNUNGSMOTORSYSTEM UND GRÄTSCHSITZFAHRZEUG

Title (fr)  
SYSTÈME DU MOTEUR ET VÉHICULE À SELLE

Publication  
**EP 3002450 B1 20180228 (EN)**

Application  
**EP 15185919 A 20150918**

Priority  
JP 2014203734 A 20141002

Abstract (en)  
[origin: EP3002450A1] During start-up of an engine, an engine unit is controlled to perform a reverse rotation start-up operation. In the reverse rotation start-up operation, a fuel-air mixture is introduced into a combustion chamber while a crankshaft is rotated in a reverse direction, and the fuel-air mixture is ignited such that the crankshaft is driven in a forward direction. In the reverse rotation start-up operation, an ignition threshold value is set based on a first parameter corresponding to friction of the engine, and the fuel-air mixture in the combustion chamber is ignited when a second parameter corresponding to pressure in the combustion chamber reaches the set ignition threshold value.

IPC 8 full level  
**F02N 19/00** (2010.01)

CPC (source: EP)  
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Cited by  
PH12017050058A1; CN112805465A; EP3825539A4; WO2017188144A1

Designated contracting state (EPC)  
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**EP 15185919 A 20150918**; JP 2014203734 A 20141002; TW 104130668 A 20150916