

Title (en)  
ENGINE SYSTEM AND SADDLE-TYPE VEHICLE

Title (de)  
MOTORSYSTEM UND SATTELFahrZEUG

Title (fr)  
SYSTÈME DE MOTEUR ET VÉHICULE DU TYPE À SELLE

Publication  
**EP 3173605 A4 20180214 (EN)**

Application  
**EP 14885070 A 20140723**

Priority  
JP 2014003881 W 20140723

Abstract (en)  
[origin: EP3173605A1] A forward rotation positioning operation of rotating a crankshaft in a forward direction is performed before start-up of an engine, and a reverse rotation start-up operation of rotating the crankshaft in a reverse direction is performed during the start-up of the engine. In the forward rotation positioning operation, a rotation driver drives the crankshaft such that a crank angle reaches a predetermined reverse starting range. In the reverse rotation start-up operation, the rotation driver drives the crankshaft such that the crank angle exceeds a predetermined start-up intake range from the reverse rotation starting range and reaches a predetermined start-up ignition range, a fuel injection device injects fuel such that a fuel-air mixture is introduced into a combustion chamber from an intake passage through an intake port, when the crank angle is in the start-up intake range, and an ignition device ignites when the crank angle is in the start-up ignition range. Ignition performed by the ignition device is prevented during the forward rotation positioning operation.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)

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