

Title (en)

A METHOD FOR STARTING AN IC ENGINE OF A VEHICLE AND SYSTEM THEREOF

Title (de)

VERFAHREN ZUM STARTEN EINES VERBRENNUNGSMOTORS EINES FAHRZEUGS UND SYSTEM DAFÜR

Title (fr)

PROCÉDÉ DE DÉMARRAGE D'UN MOTEUR À COMBUSTION INTERNE D'UN VÉHICULE ET SYSTÈME ASSOCIÉ

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Application

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Abstract (en)

[origin: WO2022172287A1] The present invention is directed to a method for starting an Internal Combustion (IC) engine (110) connected to a crankshaft (120) coupled with an ISG (130), the method comprising: receiving (304) a start signal by an ECU (140); communicating (306) the start signal to an ISG controller (150) communicatively coupled with the ISG; cranking (307) the crankshaft in a reverse direction by the ISG in response to a first signal, corresponding to the start signal, from the ISG controller; monitoring (308) position of the crankshaft by the ECU; delaying (309) injection and ignition of air fuel mixture inside the IC engine by the ECU during reverse direction of rotation of the crankshaft; and rotating (310) the crankshaft in a forward direction by the ISG in response to a second signal from the ISG controller thereby starting the IC engine.

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