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(54) **SYSTEM AND METHOD FOR POSITIONING A CRANKSHAFT OF AN ENGINE OF A VEHICLE**

(57) A method for positioning a crankshaft of an engine of a vehicle is to be implemented by a system that includes an Integrated Starter Generator, ISG, controller (21) and a main switch (20). The method is characterized by steps of: a) determining, after the main switch (20) is switched from a Key ON state to a Key OFF state where the ISG controller (21) is powered by an auxiliary power

source, whether an engine speed is lower than a predetermined threshold for positioning the crankshaft; and b) performing, when it is determined that the engine speed is lower than the predetermined threshold, a crankshaft positioning process so that an angular position of the crankshaft does not correspond to a compression stroke of the engine while the crankshaft stops.

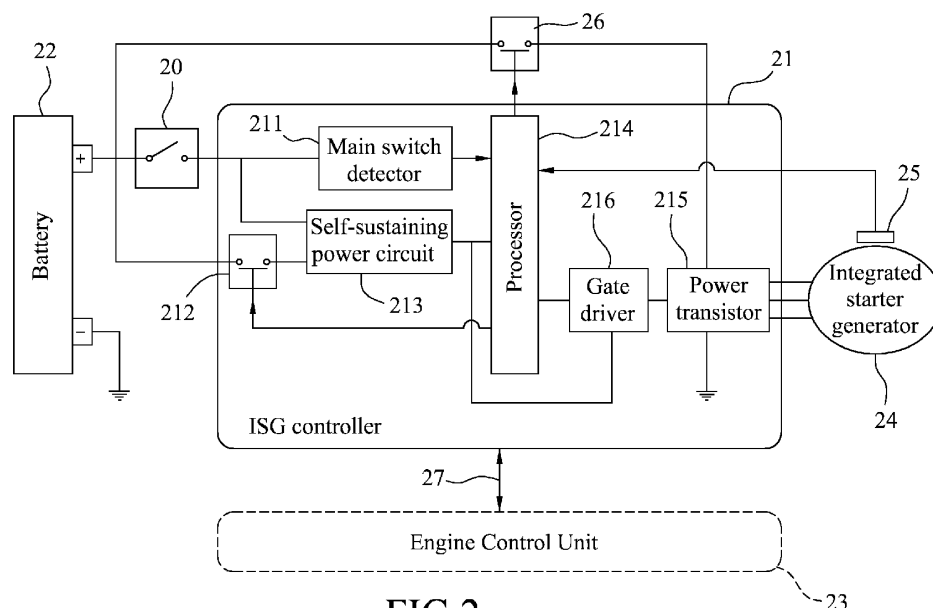


FIG.2



EUROPEAN SEARCH REPORT

Application Number
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Y	* paragraphs [0060], [0075] - [0078], [0090]; figures 1, 2, 6 *	1-10	F02N11/08 B60R16/03
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Y	EP 2 607 178 A1 (VOLVO CAR CORP [SE]) 26 June 2013 (2013-06-26) * paragraph [0024]; figure 1 *	1-10	
A	TW 201 704 630 A (SANYANG MOTOR CO LTD [TW]) 1 February 2017 (2017-02-01) * figures 3,4, 7 * & EP 3 147 495 A1 (SANYANG MOTOR CO LTD [TW]) 29 March 2017 (2017-03-29) * paragraph [0015] *	1-10	TECHNICAL FIELDS SEARCHED (IPC) F02N F02D B60R
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 26 September 2018	Examiner Ulivieri, Enrico
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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