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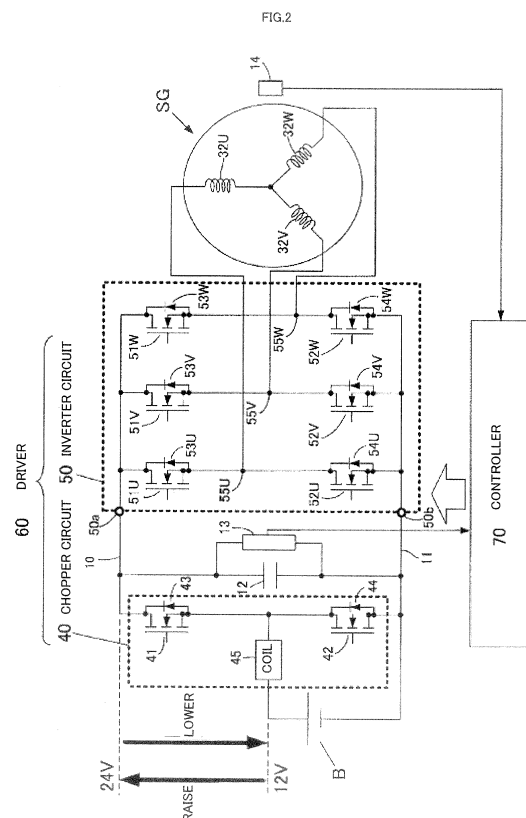
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(54) **Starter-generator and method for controlling the same**

(57) A starter-generator (SG) is provided that is able to efficiently start an engine without causing an increase in the size of a device. The starter-generator (SG) is configured to, at a time of engine start, act as a starter motor that causes a crankshaft of an engine to rotate from a predetermined rotation start position with an approach run given thereto, and after the engine start, act as a generator. The starter-generator (SG) includes a controller (70) for controlling a driver (60) in such a manner that, at a time of engine start, an application voltage applied to a winding is gradually raised such that the application voltage becomes a predetermined voltage that is higher than a terminal voltage of a battery (B) at a time point when the number of rotations of the engine reaches a predetermined first number of rotations, and the application voltage thus raised is maintained at least until the engine is started.





EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 8 May 2015	Examiner Röttger, Klaus
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