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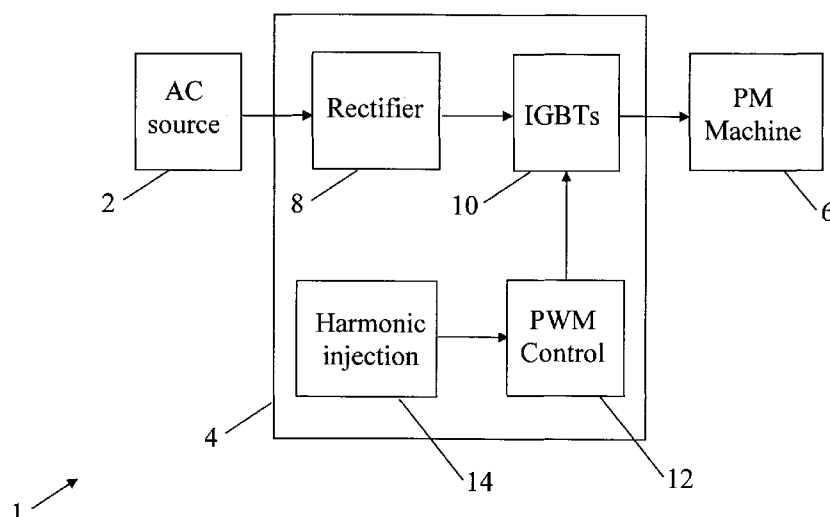
(54) Title: HARMONIC NOISE REDUCTION

Fig. 1

(57) **Abstract:** The present invention relates to a method for regulating a set of first noise harmonics from a permanent magnet machine operatively connected to a power supply unit, the method comprising the step of injecting a second set of harmonics into a representation of a drive current provided to the electronic device in order to regulate at least part of the noise harmonics of the first set, wherein the harmonics of the second set is/are different from the noise harmonics of the first set. The invention further relates to a power supply unit for performing the method of the present invention.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H02P25/02 H02P29/00
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H02P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 553 693 B1 (DENSO CORP [JP]) 19 December 2007 (2007-12-19) paragraphs [0013] - [0015], [0042], [0065], [0146] -----	1-12
A	US 2005/029982 A1 (STANCU CONSTANTIN C [US] ET AL) 10 February 2005 (2005-02-10) -----	1-12
A	EP 2 012 425 A1 (AISIN SEIKI [JP]) 7 January 2009 (2009-01-07) -----	1-12



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See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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