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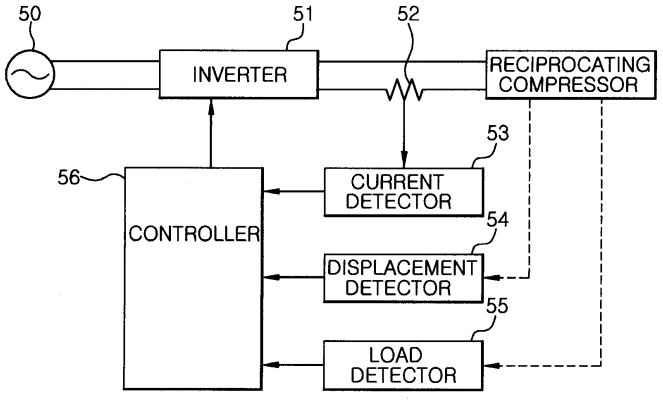
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(54) Compressor System

(57) A driving unit and control method for a reciprocating compressor for controlling a frequency of input power so that an operational frequency of the compressor follows a resonant frequency, which varies depending on a variation of the load applied to the compressor. The reciprocating compressor includes an inverter to adjust the frequency of the input power, so that the frequency of the input power is set at a value corresponding to the resonant frequency by the inverter. The resonant frequency is set in a range of 60% to 90% of the normal power frequency. The compressor further includes a controller to control the frequency of the input power so that the operational frequency of the compressor follows the resonant frequency, which varies depending on the operation of the compressor.

FIG 2.



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EUROPEAN SEARCH REPORT

Application Number
EP 05 10 3404

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Place of search	Date of completion of the search	Examiner
Munich	27 January 2006	Olona Laglera, C

CATEGORY OF CITED DOCUMENTS

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