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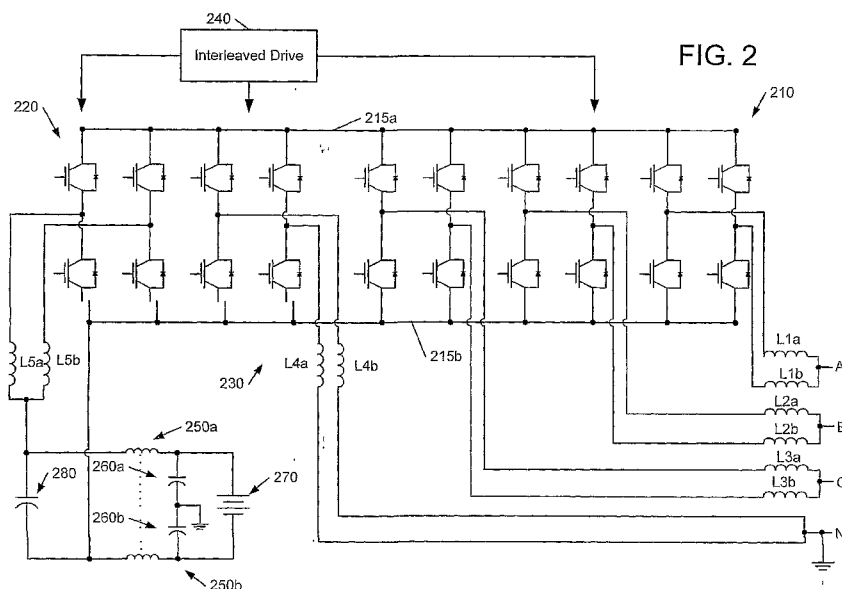
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(54) Title: POWER CONVERTER APPARATUS AND METHODS USING NEUTRAL COUPLING CIRCUITS WITH INTERLEAVED OPERATION



(57) Abstract: A power converter apparatus, such as an uninterruptible power supply (UPS), includes an inverter having an input coupled to a first DC bus and a second DC bus and configured to generate an AC output with respect to a neutral terminal at a phase output terminal thereof. The apparatus further includes first and second neutral coupling circuits, each configured to selectively couple the first DC bus and the second DC bus to the neutral terminal, and a control circuit configured to cause interleaved operation of the neutral coupling circuits.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H02M5/458

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005/162137 A1 (TRACY JOHN G [US] ET AL) 28 July 2005 (2005-07-28) cited in the application the whole document	1,16
A	EP 0 986 165 A (TOKYO SHIBAURA ELECTRIC CO [JP]) 15 March 2000 (2000-03-15) figure 2	1,16
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A	US 2004/223348 A1 (WEST RICHARD T [US]) 11 November 2004 (2004-11-11) abstract; figure 1	1,16

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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