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[54] **HIGH FREQUENCY QUASI-RESONANT DC VOLTAGE NOTCHING SCHEME OF A PWM VOLTAGE FED INVERTER FOR AC MOTOR DRIVES**

[75] Inventors: **Jih-Sheng Lai; Bimal K. Bose,** both of Knoxville, Tenn.

[73] Assignee: **The University of Tennessee Research Corp.,** Knoxville, Tenn.

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[52] **U.S. Cl.** **363/37;** 363/41; 363/98; 363/132; 318/811

[58] **Field of Search** 363/95, 49, 98, 41, 363/48, 138; 323/222, 235; 318/778, 806, 811

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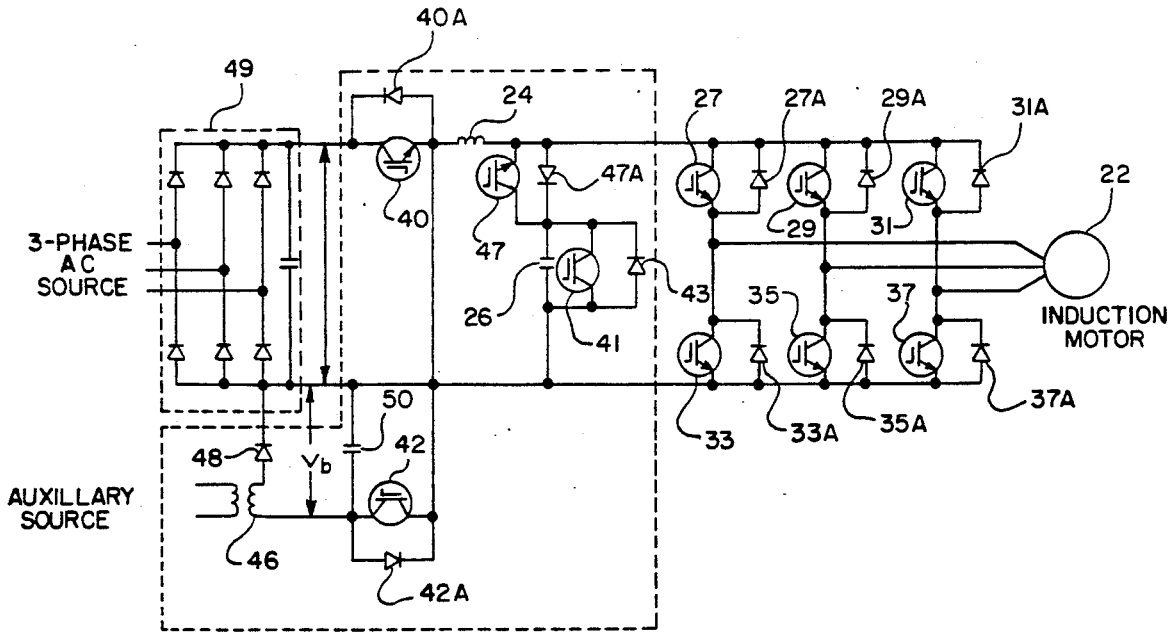
Primary Examiner—William H. Beha, Jr.

Assistant Examiner—Bruce Dunn

Attorney, Agent, or Firm—James B. Hinson

[57] **ABSTRACT**

A circuit for converting a DC voltage to a pulsating DC voltage useful as a power source for operating an AC machine. The circuit includes means for controlling the amplitude of the pulsating DC voltage as the load changes and means for controlling the duration of the pulses comprising the pulsating DC voltage.

4 Claims, 9 Drawing Sheets