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# United States Patent [19] Vogman

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## [54] METHOD AND APPARATUS FOR POWER FACTOR CORRECTION

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[57] **ABSTRACT**

A method and apparatus for power factor correction. The present invention provides passive power factor correction for power supplies that supply more than 200 Watts. In one embodiment, power factor correction is provided for over 500 Watt power supplies. A diode bridge circuit provides a rectified voltage output from an alternating current input. A correction circuit receives the rectified voltage and provides power factor correction. The output of the correction circuit is the input to a load circuit, such as an alternating current to direct current circuit.

**13 Claims, 4 Drawing Sheets**

