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[54] **SYSTEM AND METHOD FOR ECONOMIC DISPATCHING OF ELECTRICAL POWER**

[75] Inventors: **Jason M. Cohen**, West Islip; **Douglas B. Page**, Smithtown, both of N.Y.

[73] Assignee: **Long Island Lighting Company**, Hicksville, N.Y.

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[52] **U.S. Cl.** **364/493**; 364/156; 364/464.22; 364/492

[58] **Field of Search** 73/112; 307/68; 364/156, 464.01, 464.04, 492, 493

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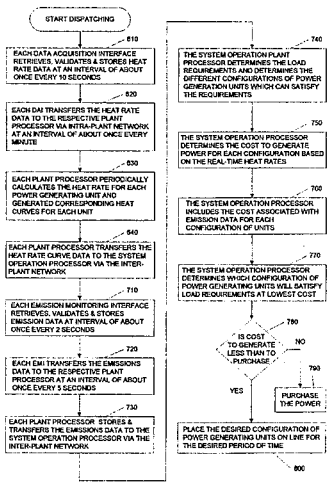
Primary Examiner—Edward R. Cosimano
Attorney, Agent, or Firm—Dilworth & Barrese

[57] **ABSTRACT**

The present invention relates to methods and systems for economically dispatching electrical power. The present invention utilizes real-time heat rates for a plurality of power generating units, e.g., steam turbines, and corresponding emission data for each unit, to dispatch electrical power at the lowest possible cost. The method of the present invention also compares the cost associated with generating power to the cost to purchase power from other electric utilities to achieve maximum cost savings associated with the dispatching of the electrical power.

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