

- [54] **INDUCTIVE COUPLED POWER SYSTEM**
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- [73] **Assignee:** Sundstrand Corporation, Rockford,
Ill.
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Related U.S. Application Data

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H04M 11/04
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455/41; 340/310 A; 381/79; 333/24 R
- [58] **Field of Search** 307/11-13,
307/17, 91, 35, 62, 83; 455/41, 3; 333/24 R,
177, 1, 100; 336/174, 175; 381/179

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[57] **ABSTRACT**

An inductive coupled power system has a transmission circuit with a dual primary comprising two conductor loops. First segments of the loops extend through an area served by the system adjacent each other and second segments of the loops extend through the area one on either side of the adjacent first segments. A small loop configuration minimizes the stray magnetic field. A secondary pickup assembly has a U-shaped core with two legs which embrace the first segments of the two loops and a core element adjacent the first loop segments is positioned between the ends of the legs. Each of the power circuits of a plurality of loads includes a shunt regulator.

17 Claims, 2 Drawing Sheets

