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Kumar

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- (54) **SPREAD SPECTRUM ADJUSTMENT FOR AN LC CIRCUIT**

- (56)
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H04B 1/04 (2006.01)
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- (52) **U.S. Cl.**
CPC *H04B 1/04* (2013.01); *H04B 1/69*
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- (58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A controller and a method is provided for controlling a capacitance of an LC circuit having a circuit frequency including, a variable capacitor to couple with an external inductor as part of an LC circuit, a target value, a spread spectrum function to generate an adjustment value, and a circuit to poll the target value, call the spread spectrum function, and set a capacitance of the variable capacitor based on the sum of the target value and the adjustment value.

19 Claims, 5 Drawing Sheets

