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Kumar

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(54) **AUTOMATIC TRIMMING OF A PCB-BASED LC CIRCUIT**

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CPC **H05K 1/162** (2013.01); **H01F 38/14** (2013.01); **H05K 1/165** (2013.01); **H05K 3/225** (2013.01); **H01F 2038/146** (2013.01); **H05K 2201/10151** (2013.01)

(58) **Field of Classification Search**

CPC ... H05K 2203/171; H05K 1/162; H05K 3/225
See application file for complete search history.

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(57) **ABSTRACT**

Apparatus and methods of automatically trimming a PCB-based LC circuit. The apparatus may comprise an interface to a printed circuit board (PCB). The PCB may include a PCB inductor and a PCB capacitor to form an LC circuit. The LC circuit may have an LC circuit frequency. The apparatus may comprise a variable capacitor communicatively coupled to the interface and configured to adjust an effective capacitance of the LC circuit.

19 Claims, 3 Drawing Sheets

