

United States Patent [19]

Zennamo, Jr. et al.

[54] QUALITY FACTOR IMPROVEMENT FOR FILTER APPLICATIONS

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- [73] Assignee: Eagle Comtronics, Inc., Clay, N.Y.
- [21] Appl. No.: 707,070
- [22] Filed: May 29, 1991
- [51] Int. Cl.⁵ H03H 7/00

References Cited

U.S. PATENT DOCUMENTS

Primary Examiner—Eugene R. LaRoche Assistant Examiner—Ali Neyzari

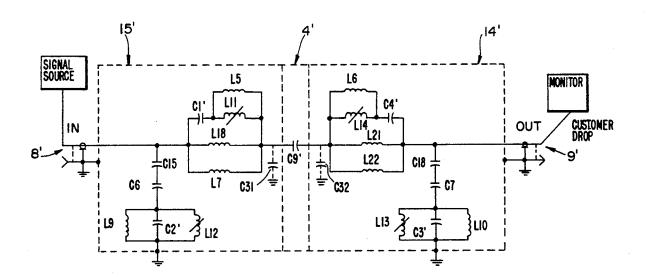
Attorney, Agent, or Firm-Parkhurst, Wendel & Rossi

[57] ABSTRACT

[56]

A tuned filter having an improved Q is disclosed in which two or more inductors are placed in parallel to increase the net Q relative to a single inductor of the same net inductance and/or two or more capacitors are placed in series to increase the net Q relative to a single capacitor of the same net capacitance to improve the Q of a tuned filter.

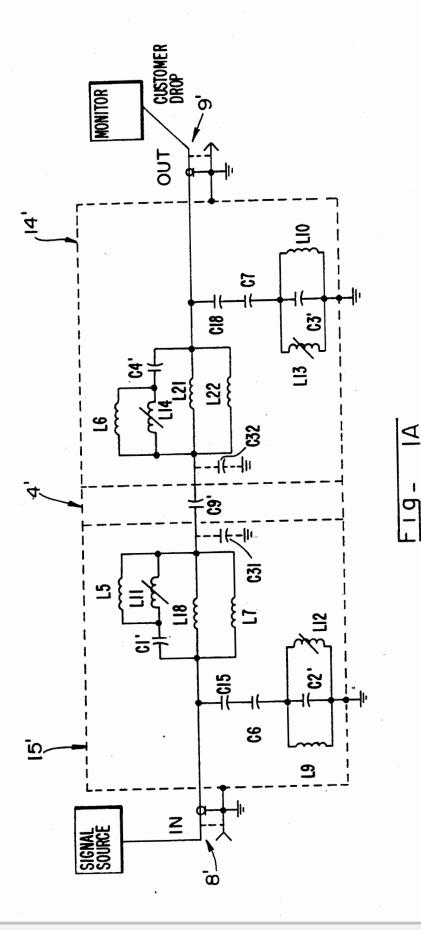
11 Claims, 9 Drawing Sheets



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US005148133A [11] Patent Number: 5,148,133

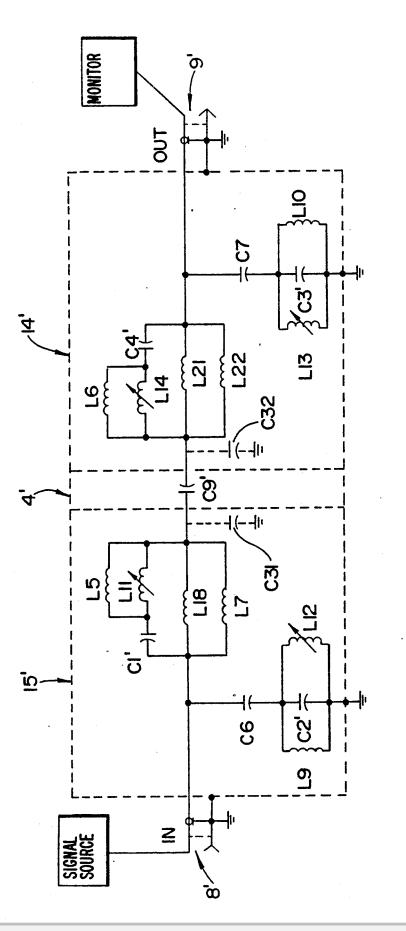
[45] Date of Patent: Sep. 15, 1992



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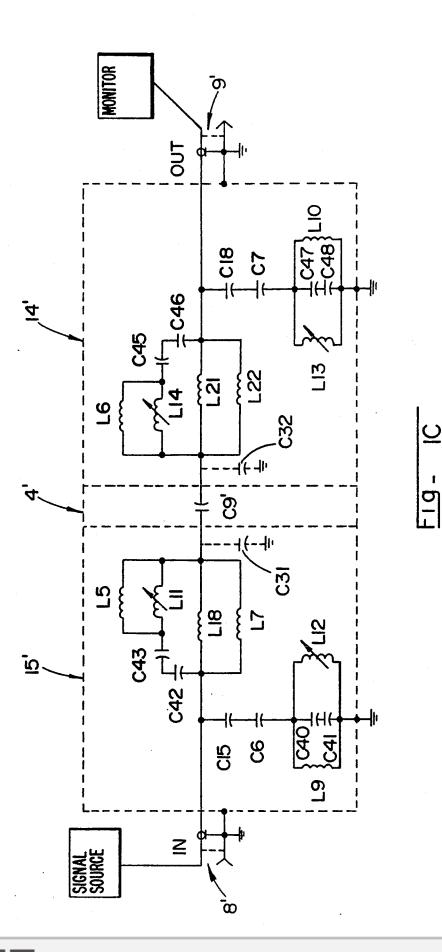
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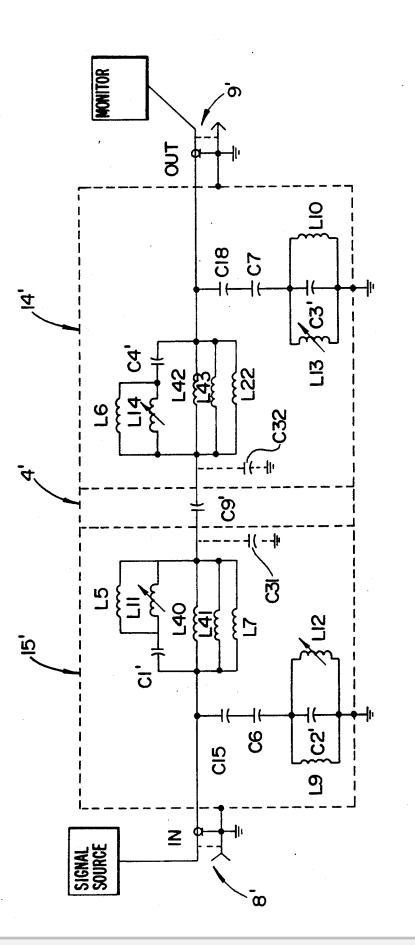
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