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United States Patent [19] Rincon-Mora

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- [54] **ACTIVE COMPENSATING CAPACITIVE MULTIPLIER**
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- [52] **U.S. Cl.** **330/255; 330/292**
- [58] **Field of Search** **330/255, 292, 330/293; 327/356, 359, 53, 66, 391, 112, 437**

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[57] ABSTRACT

A compensated amplifier, for amplifying an input signal applied to an input node to provide an output signal at an amplifier output node. The compensated amplifier includes a first amplifier stage having an internal node as an input thereto and having a first stage output node. Also included is a second amplifier stage coupled to the first amplifier stage, having the input node as an input thereto and providing the output signal at the amplifier output node. A capacitor is coupled between the output node and the internal node.

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5 Claims, 4 Drawing Sheets



