

# United States Patent [19]

Rypkema

[11] 4,395,734

[45] Jul. 26, 1983

- [54] REMOTE MUTING FOR CATV/STV CONVERTERS
- [75] Inventor: Jouce N. Rypkema, Lombard, Ill.
- [73] Assignee: Zenith Radio Corporation, Glenview, Ill.
- [21] Appl. No.: 257,074
- [22] Filed: Apr. 24, 1981
- [51] Int. Cl.<sup>3</sup> ..... H04N 7/16; H04N 7/12
- [52] U.S. Cl. .... 358/194.1; 358/198; 358/86
- [58] Field of Search ..... 455/1, 3, 4, 208, 212; 358/118, 121, 194.1, 198, 196, 160, 188, 904, 86

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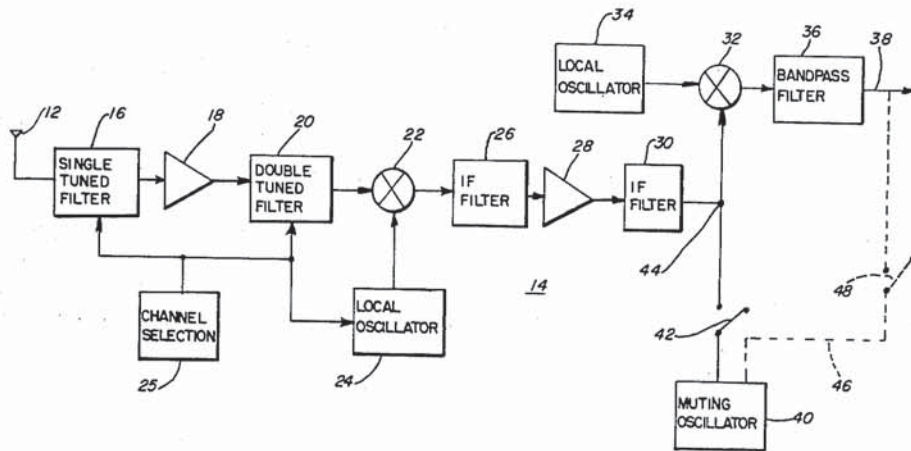
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Primary Examiner—Michael A. Wasinick  
 Attorney, Agent, or Firm—Jack Kail

### [57] ABSTRACT

A television signal processing apparatus is responsive to a received television signal for translating the frequency spectrum thereof to a frequency band characterized by a fixed frequency carrier signal frequency modulated in accordance with a baseband audio signal. The frequency modulated carrier signal is combined with an unmodulated CW muting signal having a frequency approximately equal to the frequency of the carrier signal to facilitate remotely controlled muting of the baseband audio signal in accordance with the FM capture effect.

7 Claims, 5 Drawing Figures



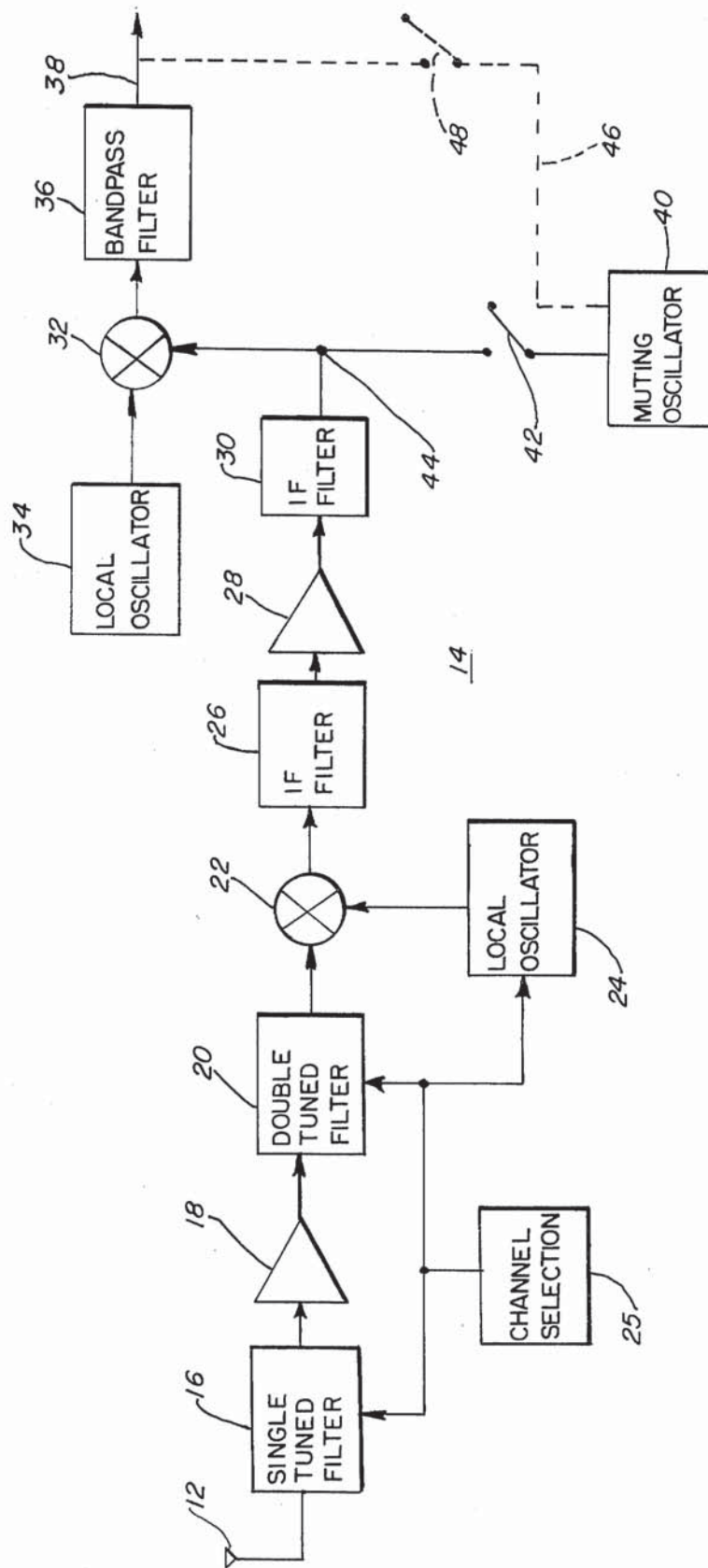


FIG. 1

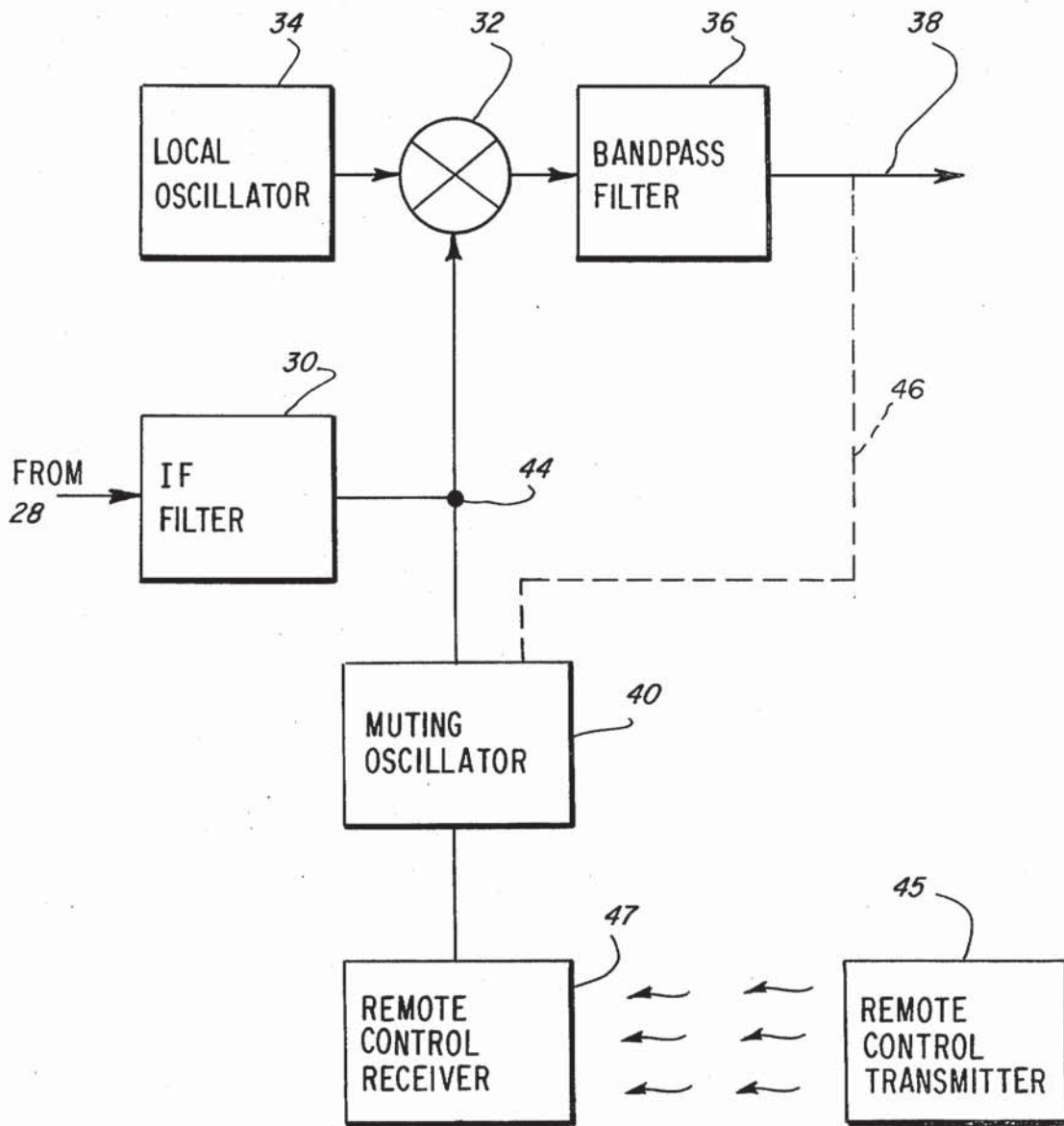


FIG. 1A

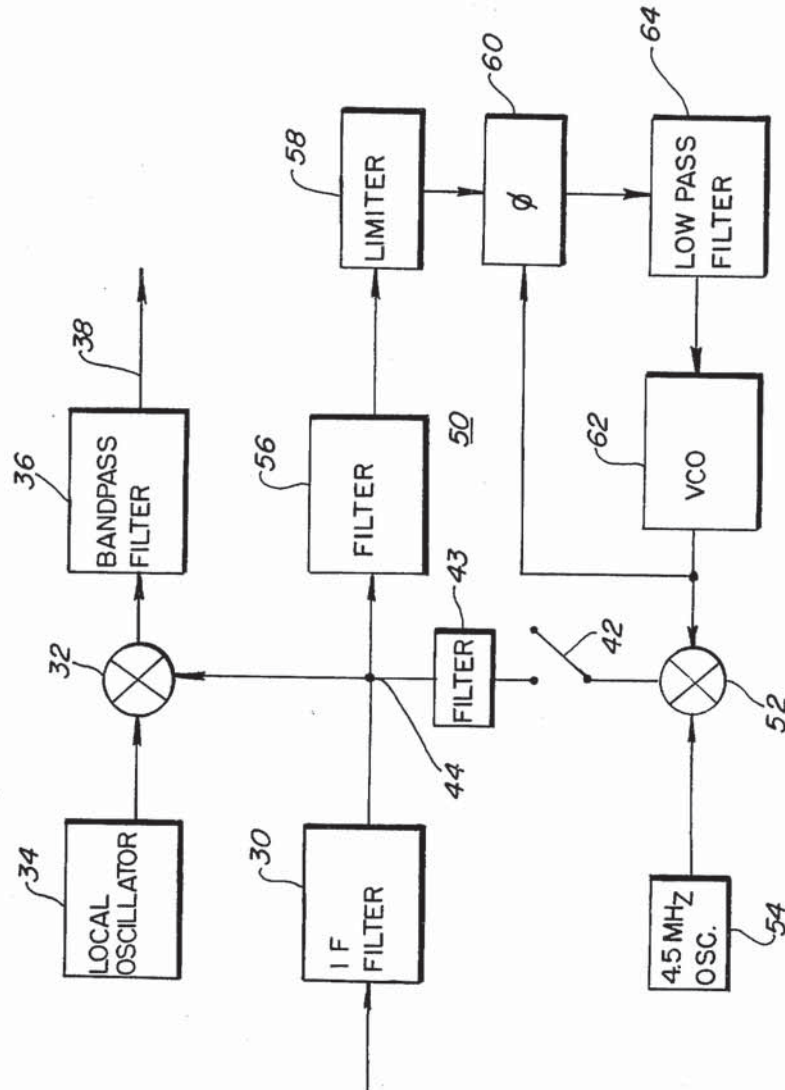


FIG. 2

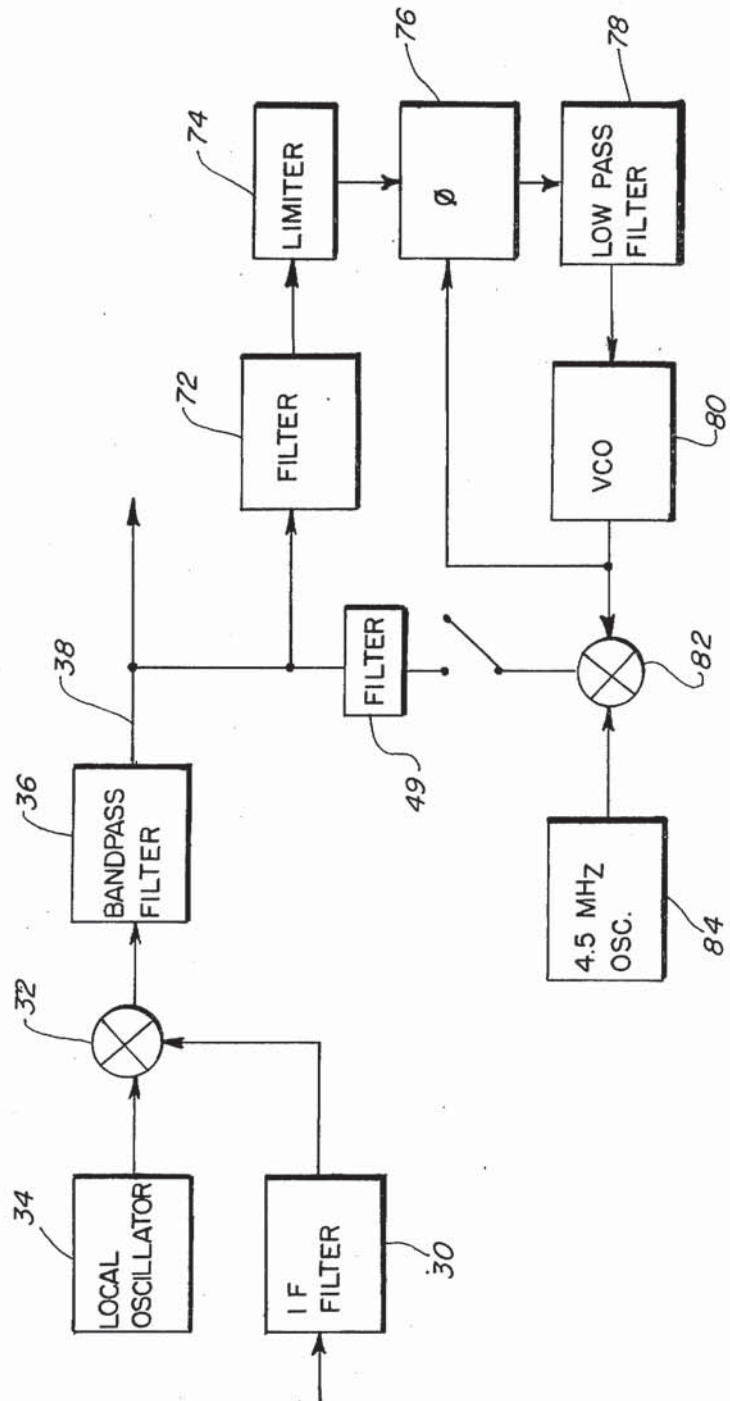


FIG. 3

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