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Vogel et al.

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(54) **SYSTEM AND METHOD FOR DISTRIBUTING A SINGLE MULTICAST MULTI-PROGRAM AUDIO STREAM OVER A NETWORK**

6,522,342 B1 * 2/2003 Gagnon et al. 345/716

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(51) Int. Cl.⁷ **G06F 15/16**; H04J 3/20

(52) U.S. Cl. **709/236**; 709/230; 370/395.52

(58) **Field of Search** 709/230, 236;
370/310.1, 312, 395.5, 395.52-3; 710/11;
379/90.02, 93.31

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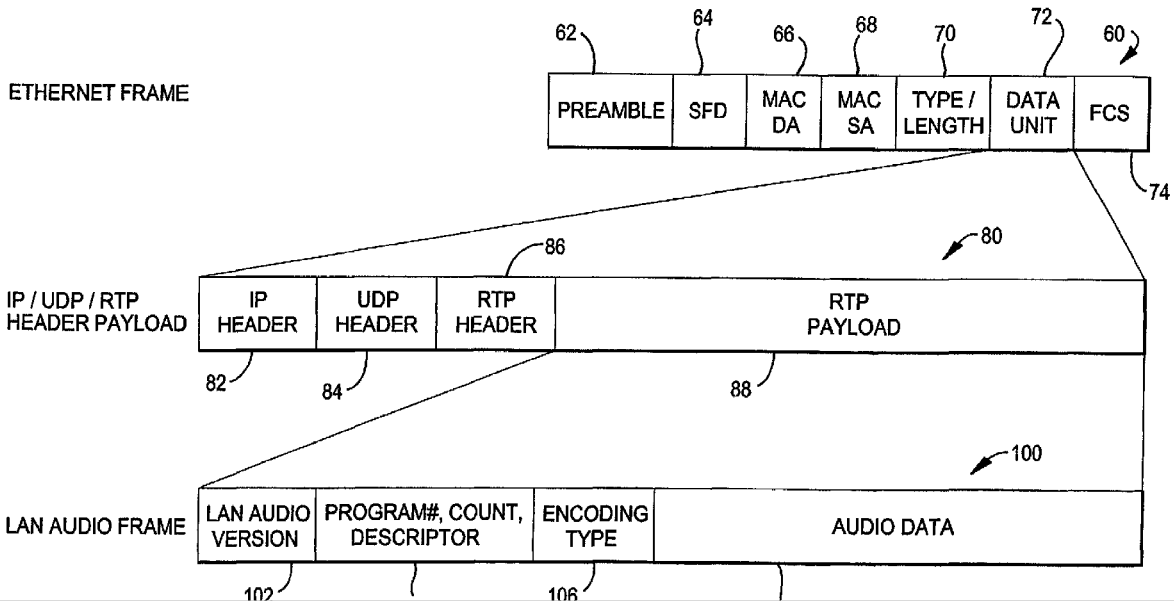
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(57) **ABSTRACT**

A system and method for distributing multi-program audio over a network includes the use of a Local Area Network, Wide Area Network, an Intranet and the Internet. The system includes a network audio source, a network distribution system and end devices. The method, for distributing multi-program audio over a network includes creating a network audio frame from a plurality of blocks of data from at least one audio program, placing each network audio frame within a transport structure for transport across the network and assigning an address to the transport structure prior to delivering the transport structure to a physical media.

11 Claims, 5 Drawing Sheets



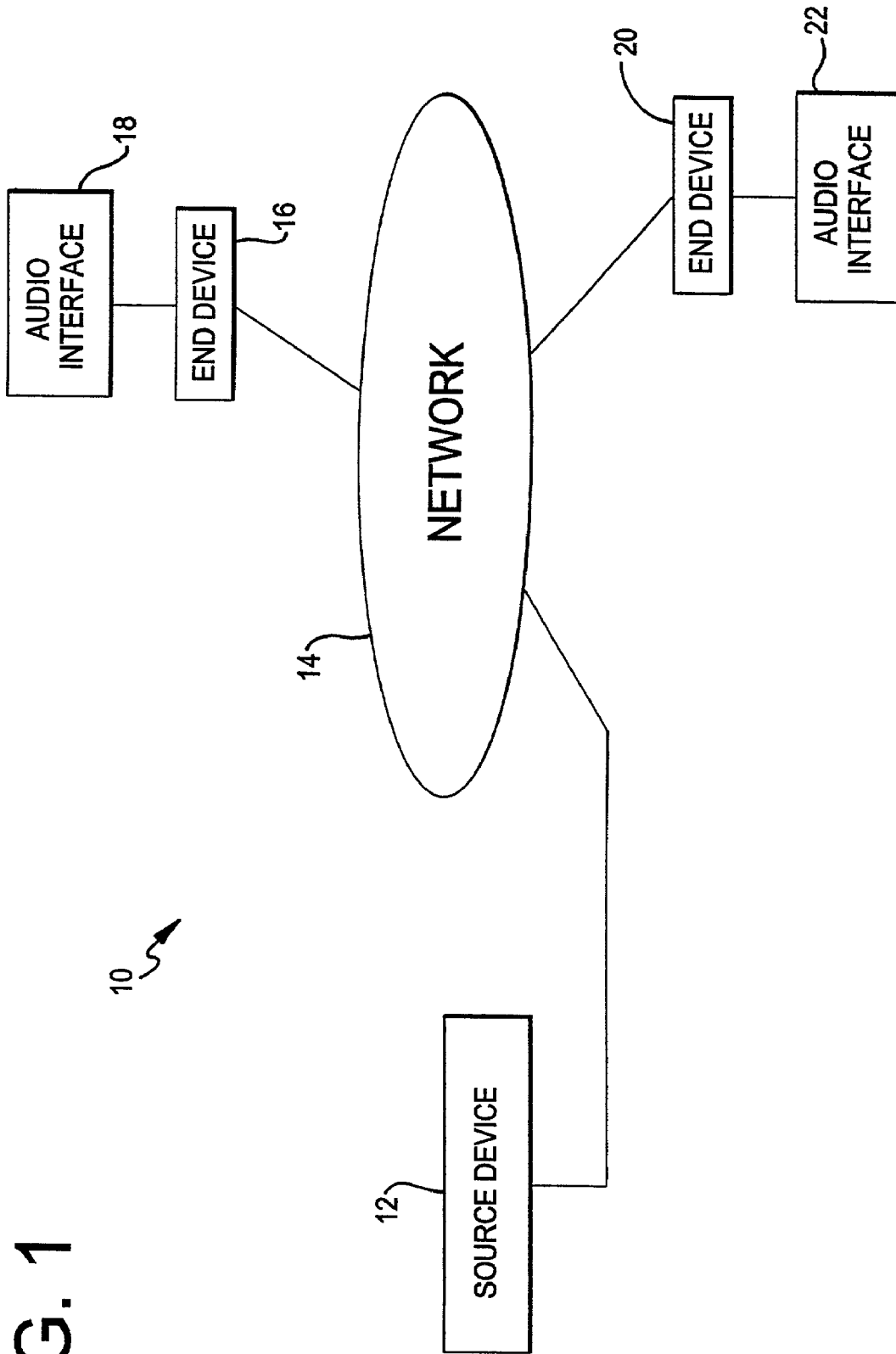


FIG. 1

FIG. 2

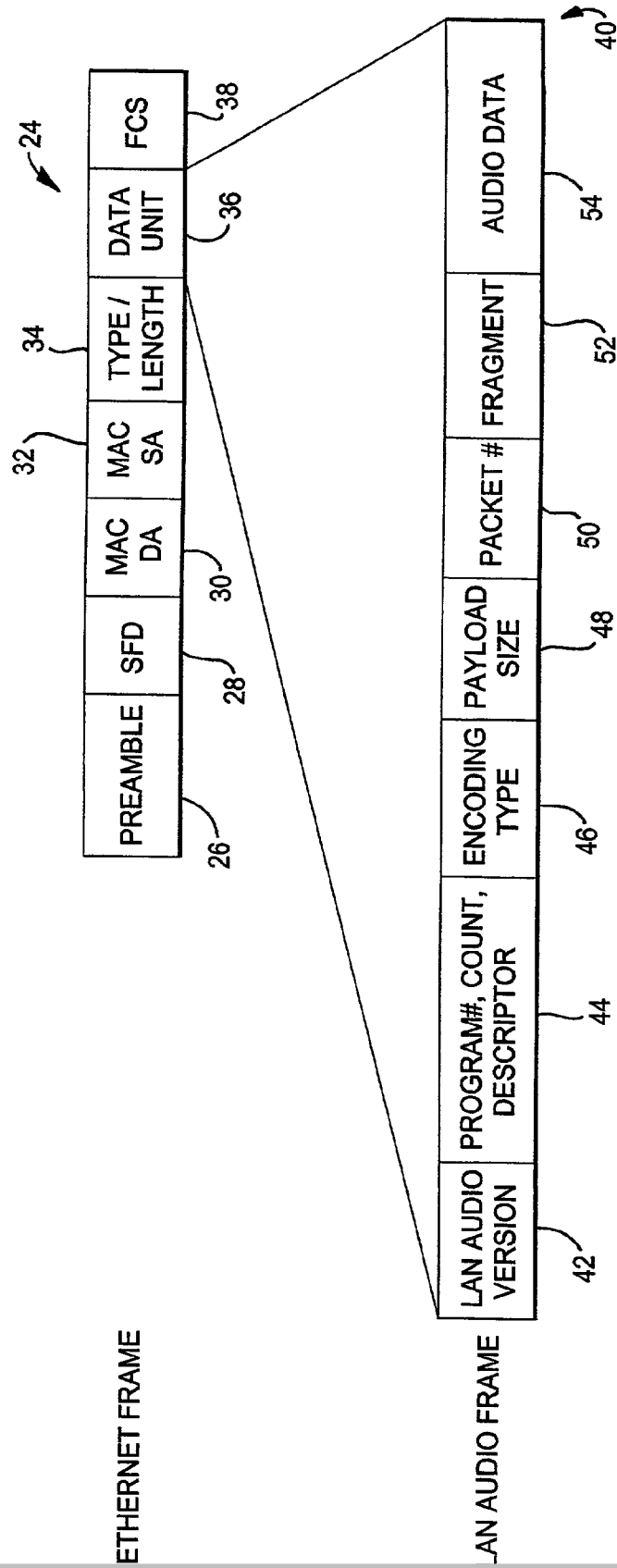


FIG. 3

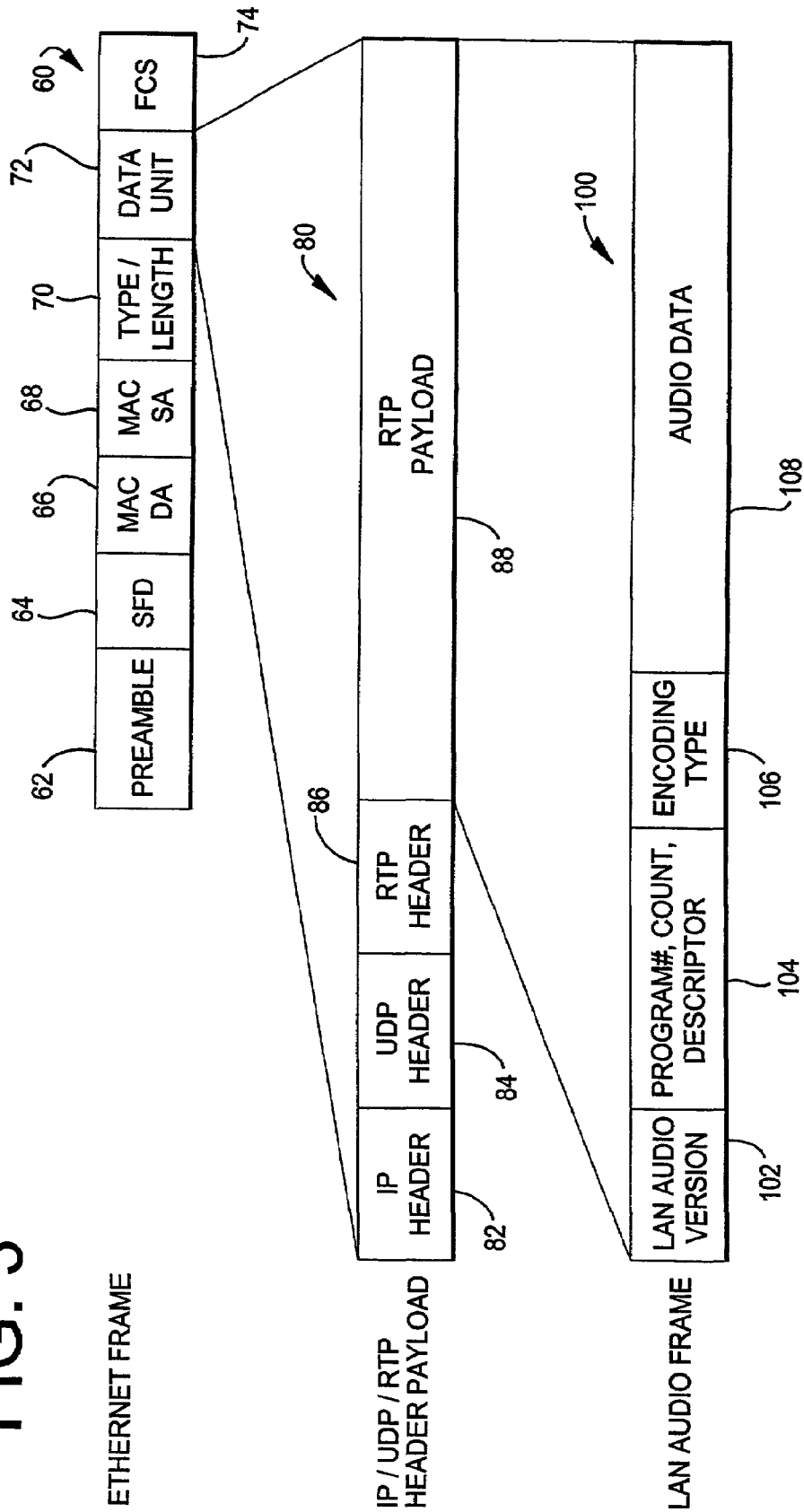
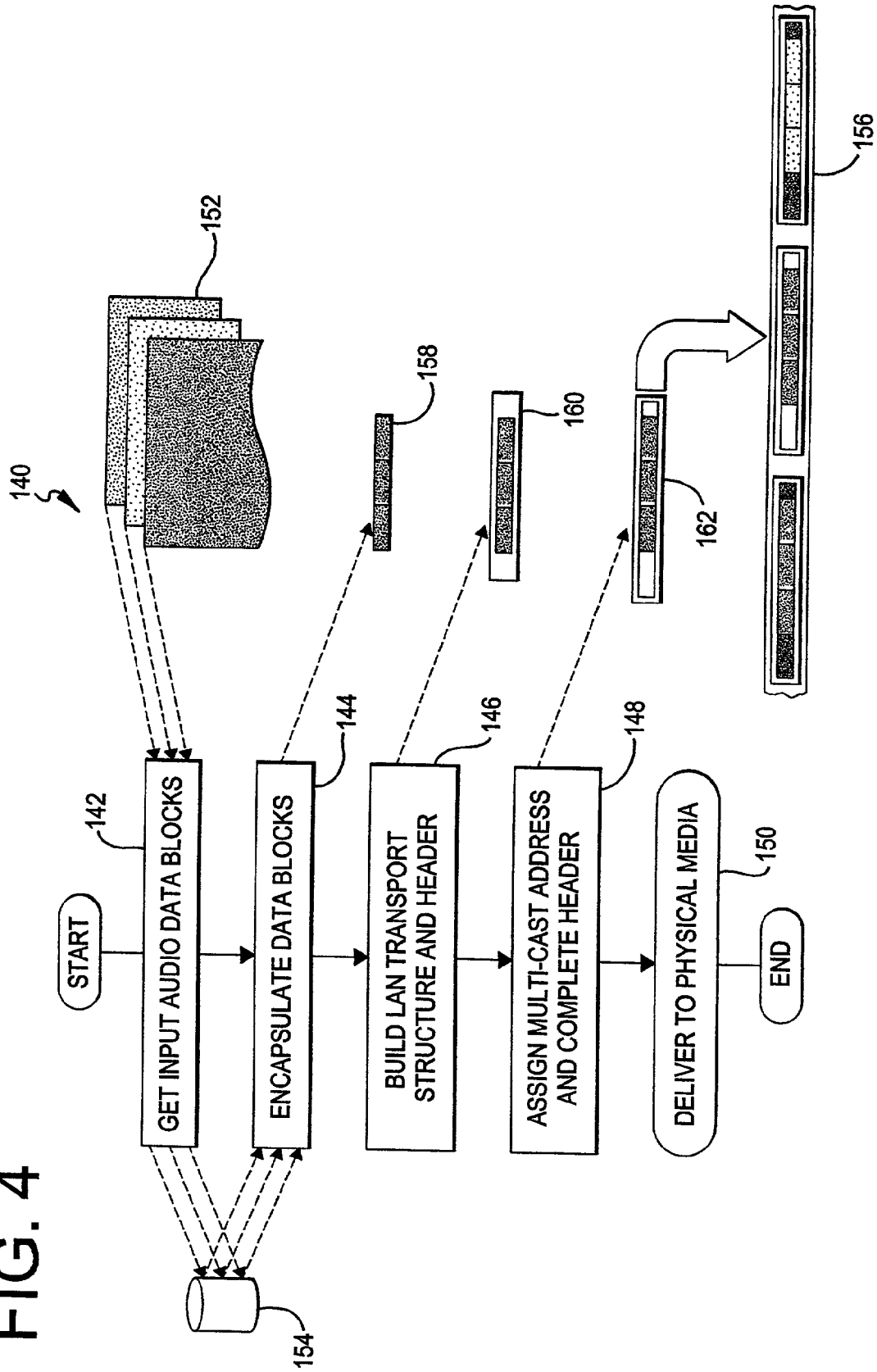


FIG. 4



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