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**Rest et al.**

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(54) **INFRASTRUCTURE FOR TELEPHONY NETWORK**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1078 days.

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**H04B 7/185** (2006.01)

(52) **U.S. Cl.** ..... **455/12.1; 455/502**

(58) **Field of Classification Search** ..... 455/427,  
455/12.1, 433, 417, 426, 3.01, 3.02, 13.2,  
455/98, 506, 502, 445; 370/389, 310, 316

See application file for complete search history.

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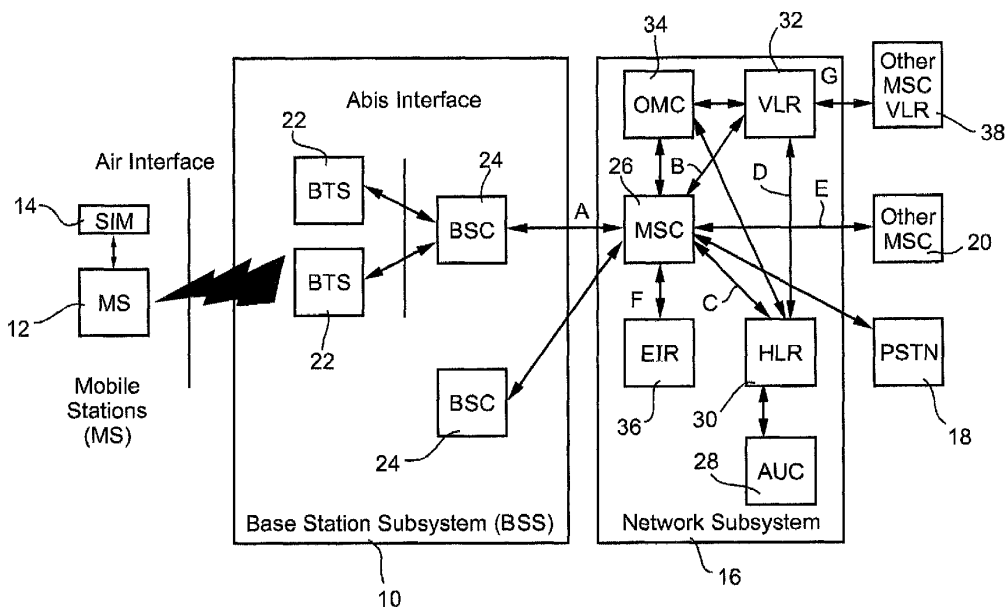
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*Assistant Examiner*—Tu X. Nguyen

(57) **ABSTRACT**

A cellular telephone network comprises peripheral branches and a central high-capacity data trunking region or network backbone. The invention concerns effective utilization of trunking capacity to provide backbone facilities for such a network. The network backbone comprises a satellite interface for a satellite connection and alternatively or additionally a backup backbone route. For example an Internet backbone route and a satellite backbone route may be used, one backing up the other.

**12 Claims, 12 Drawing Sheets**



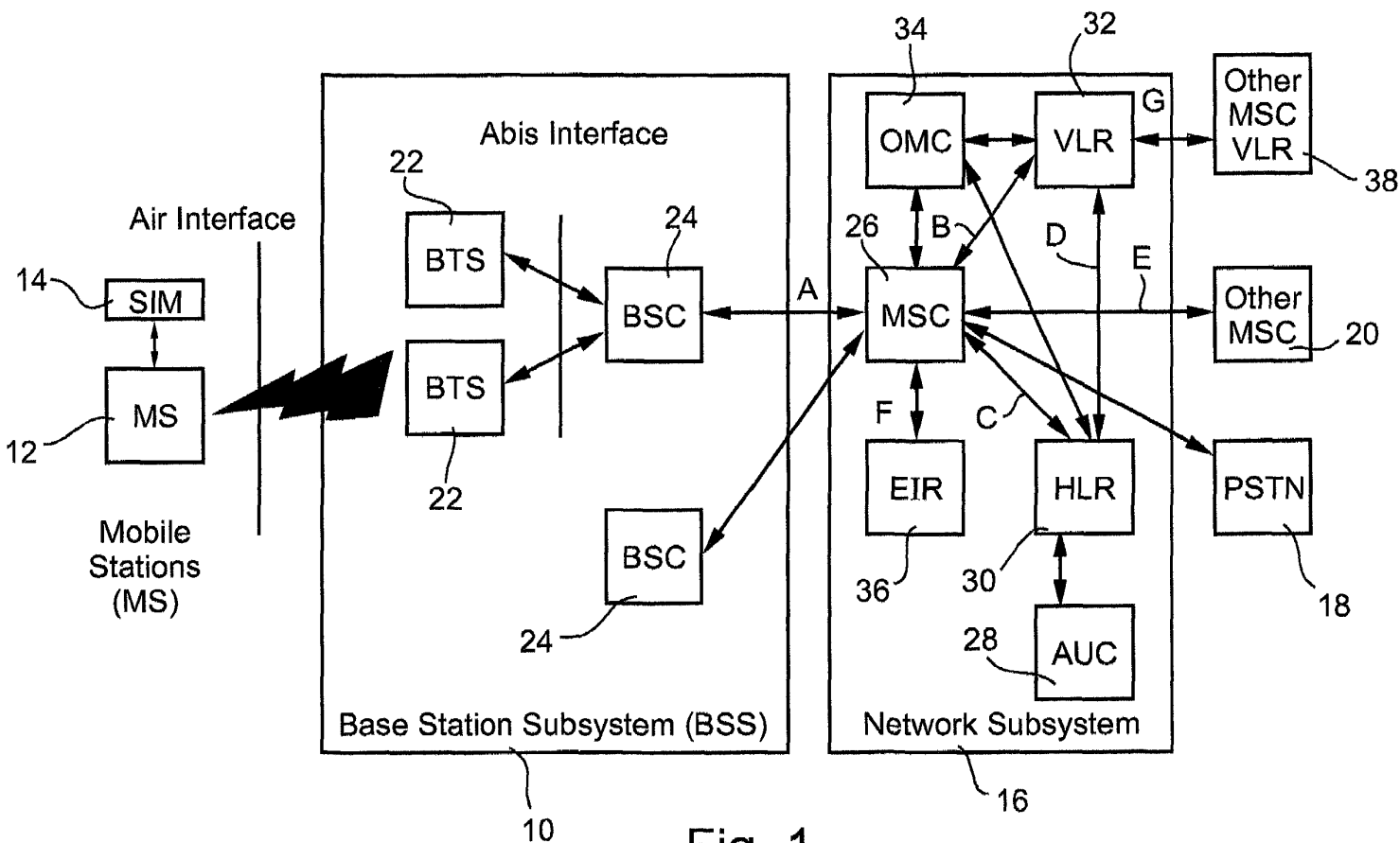


Fig. 1

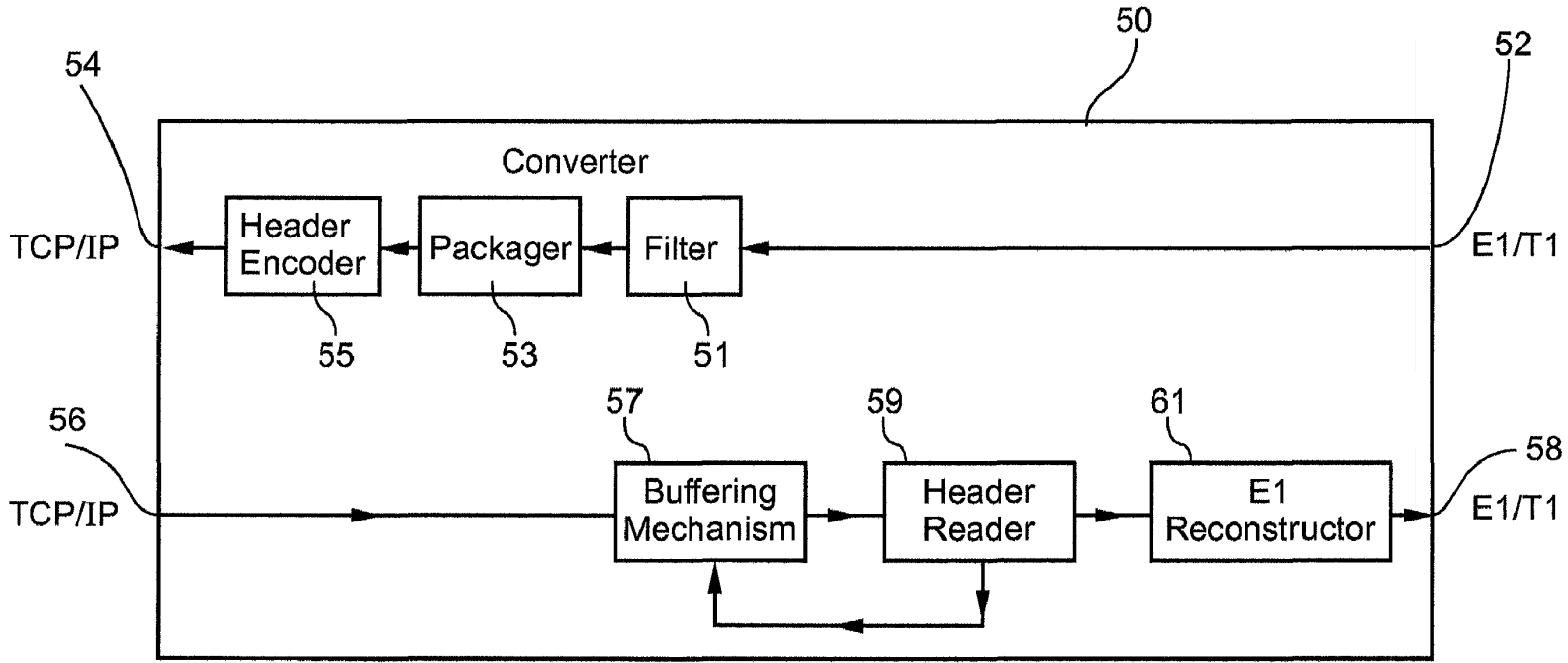


Fig. 2

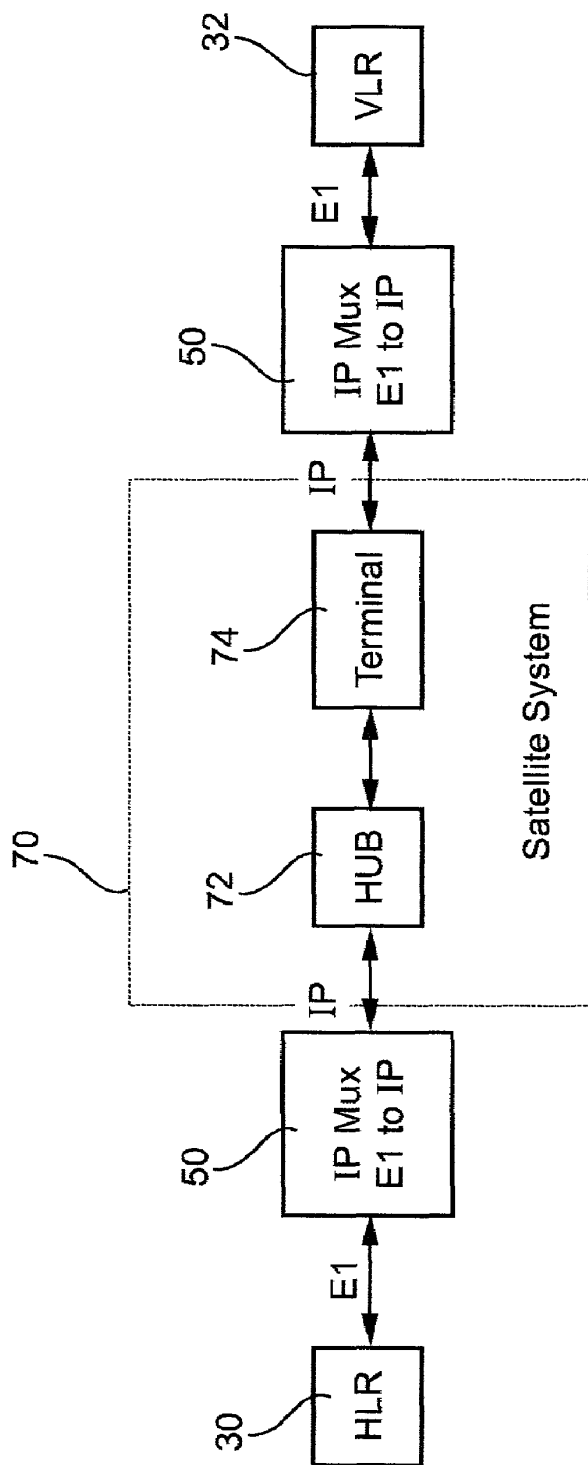


Fig. 3

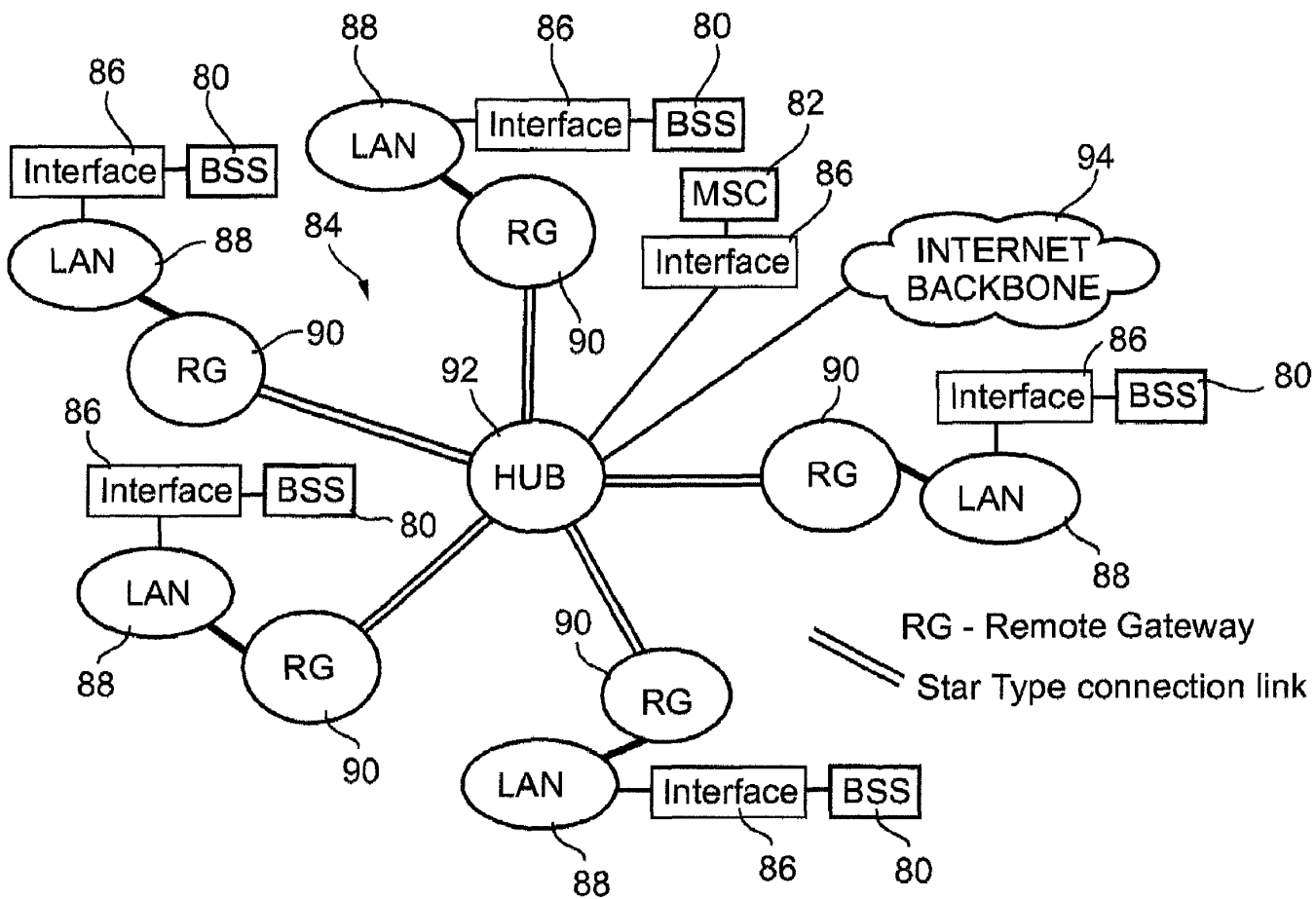


Fig. 4

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