

[54] **METHOD AND CELL BASED WIDE AREA NETWORK ALTERNATIVE ACCESS TELEPHONE AND DATA SYSTEM**

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Related U.S. Application Data

[63] Continuation of Ser. No. 953,744, Sep. 29, 1992, abandoned.
 [51] **Int. Cl.⁶** **H04L 12/56**
 [52] **U.S. Cl.** **370/60.1; 370/94.2; 340/825.52**
 [58] **Field of Search** 370/60, 60.1, 85.8, 370/94.1, 94.2, 94.3, 95.2, 110.1; 340/825.08, 825.52, 825.53; 379/201, 211, 216, 219, 220, 57, 269; 455/5.1; 358/85, 86

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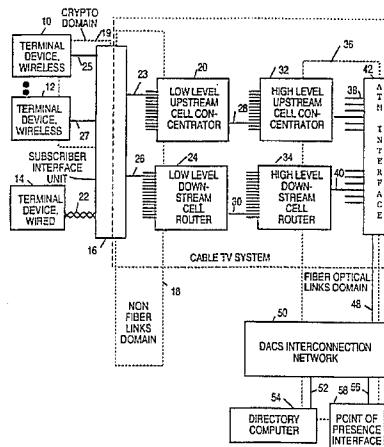
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Attorney, Agent, or Firm—Allston L. Jones

[57] **ABSTRACT**

The present invention is a Wide Area Network (WAN) Asynchronous Transfer Mode (ATM) compliant cell based communications system that is capable of delivering high data rate cells from a plurality of terminal devices to support a multiplicity of simultaneous terminal device applications for homes and businesses. This system provides the capability of providing voice and data communications on cable TV systems and to tie multiple cable TV systems and telcos together for transmission of voice and data communication between any combination of them.

5 Claims, 28 Drawing Sheets



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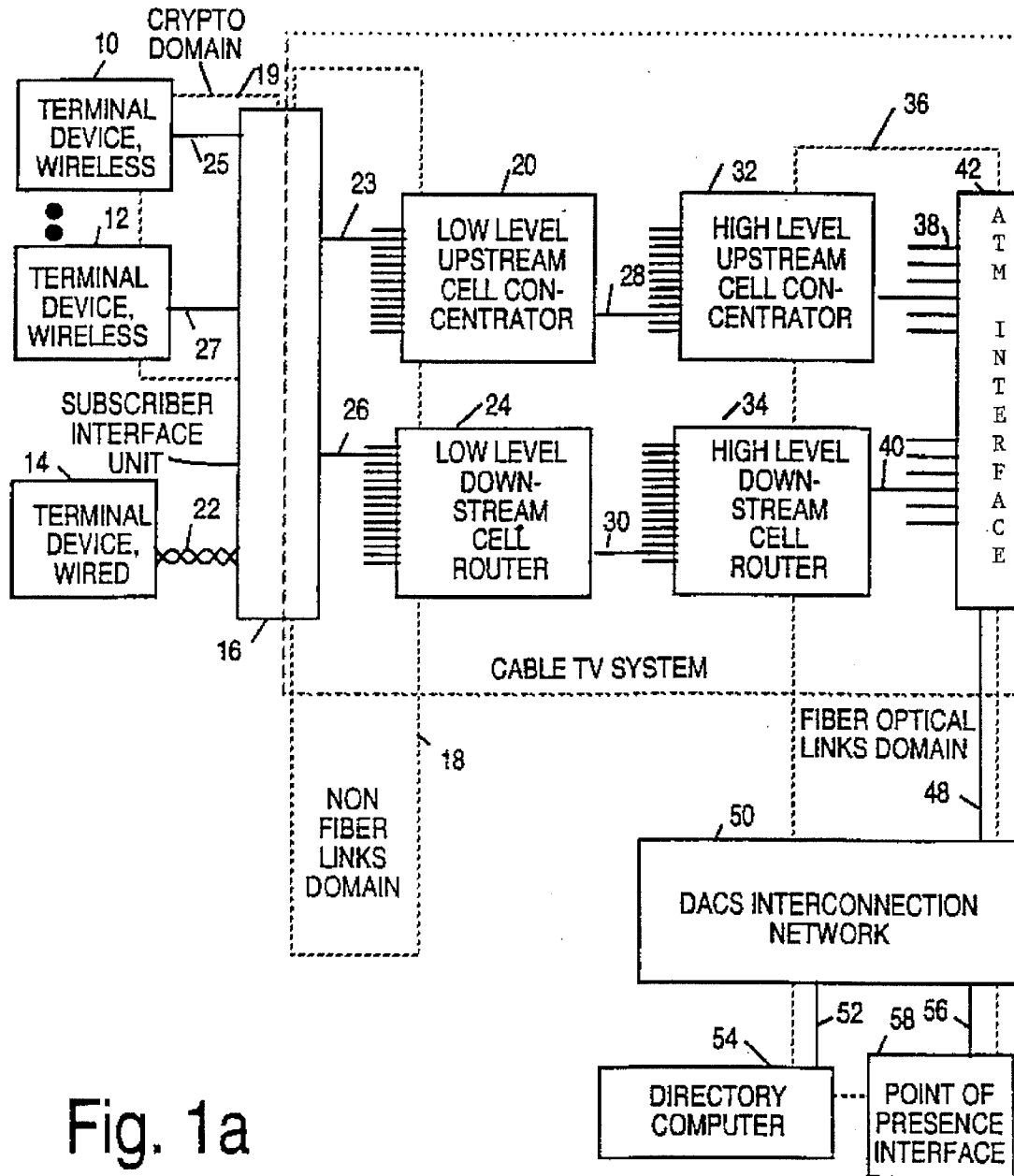
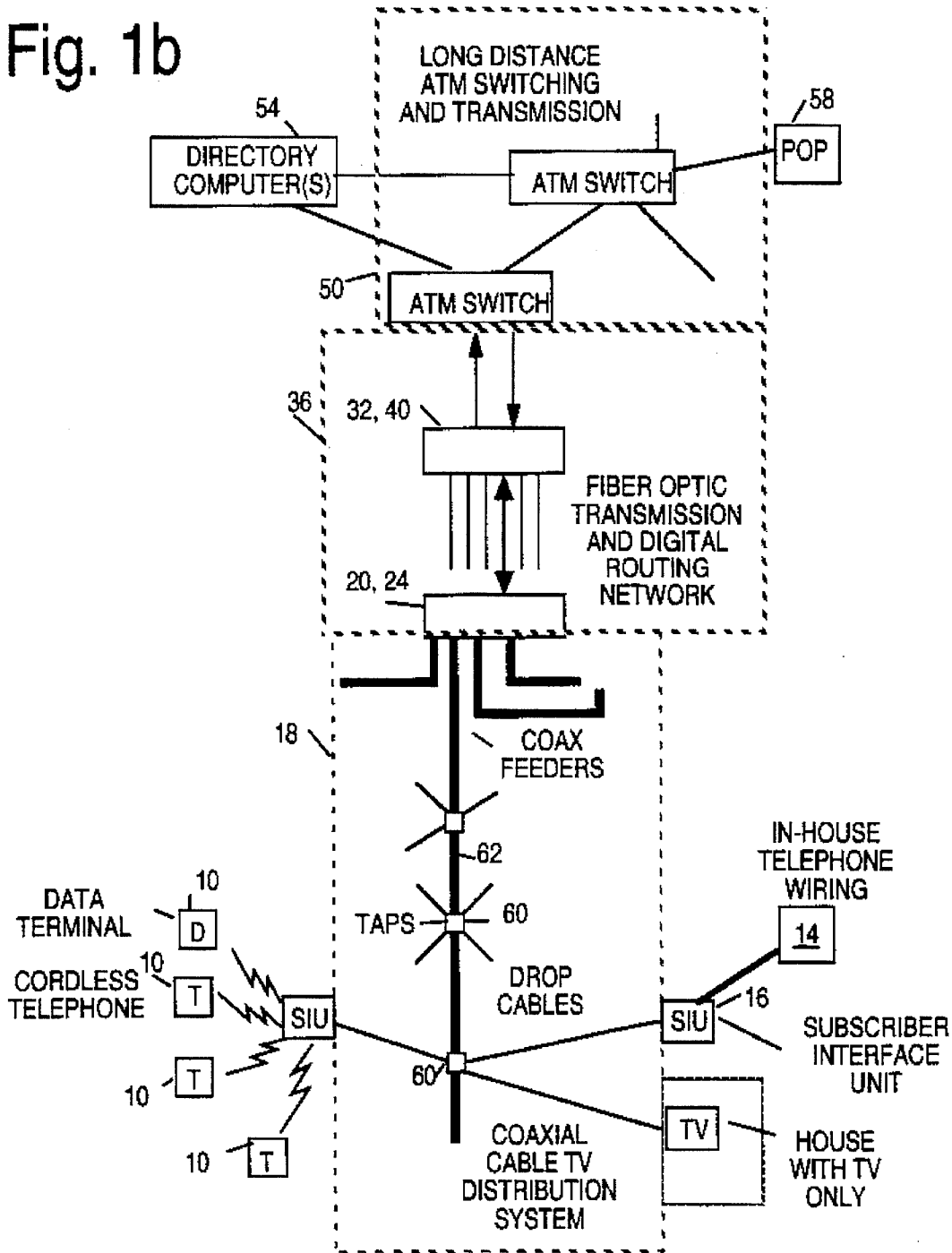


Fig. 1a

Fig. 1b



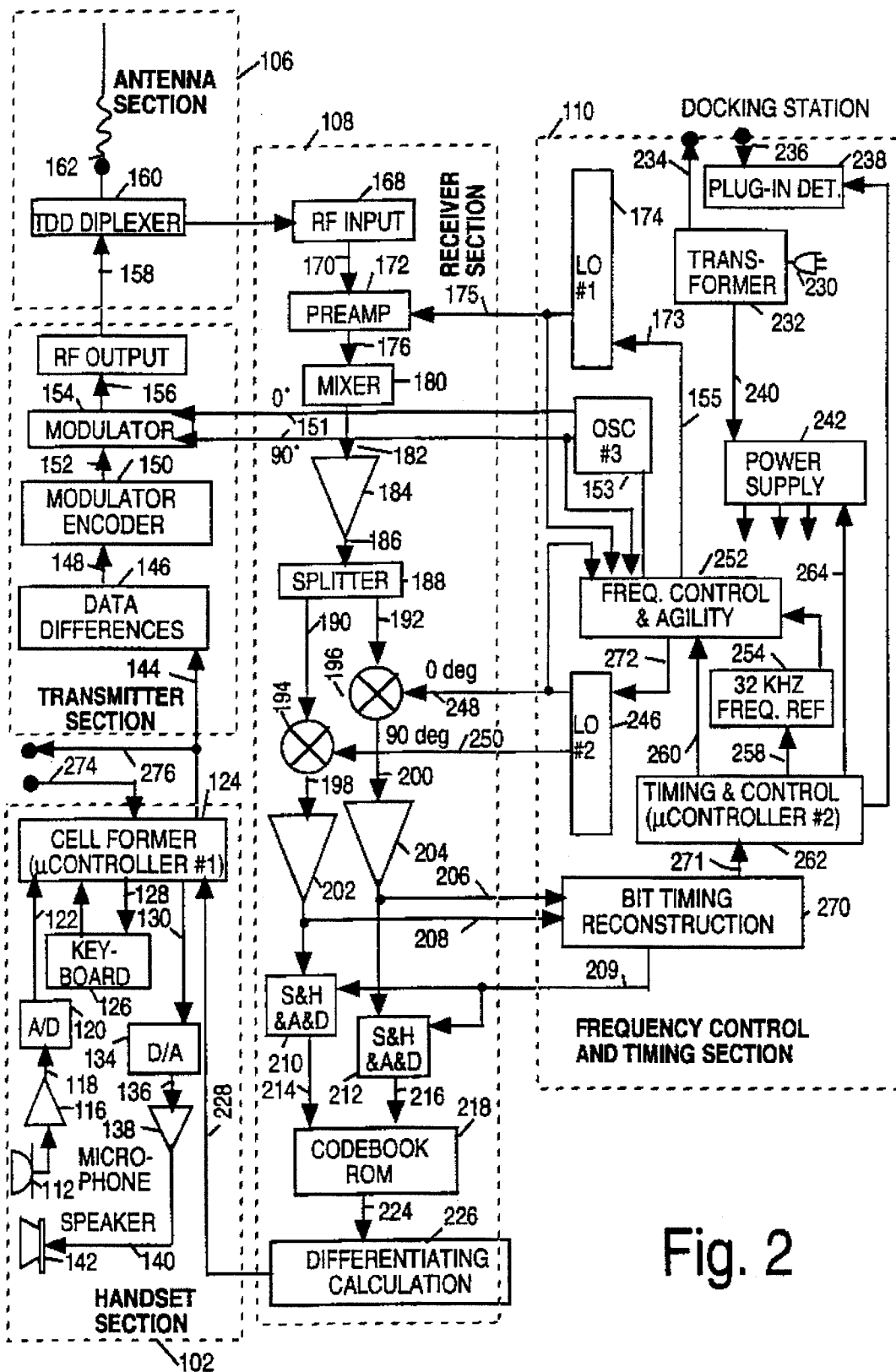


Fig. 2

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