VIRTUAL RADIO ACCESS NETWORK USING SOFTWARE-DEFINED NETWORK OF REMOTES AND DIGITAL MULTIPLEXING SWITCHES

ABSTRACT OF THE DISCLOSURE

A system for routing signals in a Distributed Antenna System (DAS) includes one or more Base Band Units (BBUs). Each of the one or more BBUs has one or more digital outputs. The system also includes a plurality of Digital Multiplexer Units (DMUs) coupled to each other and operable to route signals between the plurality of DMUs. Each of the plurality of DMUs is operable to receive one or more digital inputs from the one or more BBUs. The system further includes a plurality of Digital Remote Units (DRUs) coupled to the plurality of DMUs and operable to transport signals between the plurality of DRUs and one or more of the plurality of DMUs.

Fig. 12