

ABSTRACT**VARIOUS ROUTING ARCHITECTURES FOR DYNAMIC MULTI-HOP BACKHAULING
CELLULAR NETWORK AND VARIOUS METHODS USEFUL IN CONJUNCTION
THEREWITH**

A hierarchical cellular network administration system operative to administrate for a hierarchical cellular network having a core, the hierarchical cellular network administration system comprising a link establishment initiator operative to generate link establishment commands; and relay manager functionality operative to establish at least one link between at least one relay in the hierarchical cellular network and all nodes in said cellular network desired to be served by said at least one relay, as per said link establishment commands generated by the link establishment initiator; and to control operation of links thus established.

Fig. 17