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(54) Title: AN IP BASED CELLULAR COMMUNICATION SYSTEM UTILIZING ADVANCED TUNNELS AND ENCAPSULATION METHODS USEFUL IN CONJUNCTION THEREWITH

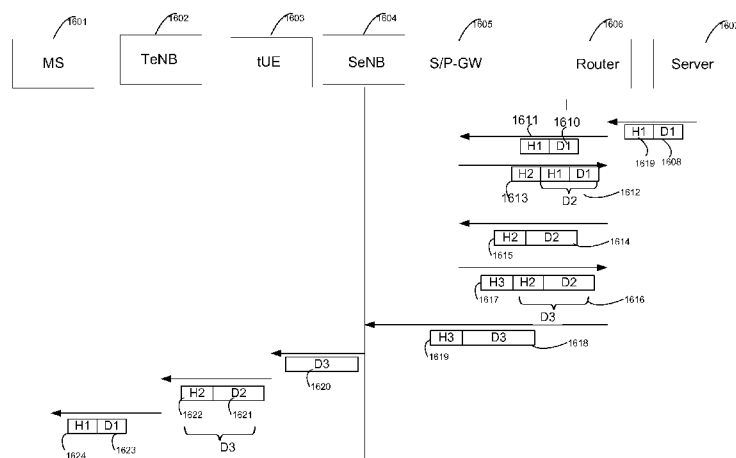


Fig. 9

(57) Abstract: A dynamic hierarchical cellular system implementing multi-hop encapsulation, wherein in at least one message destined for an individual base station functionality, the individual base station functionality's header is encapsulated within an individual mobile station functionality's header, so as to allow said message to be routed by said router to the individual base station functionality, via the individual mobile station functionality.