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(54) **Title:** COMMUNICATION DEVICES AND METHODS FOR PERFORMING COMMUNICATION

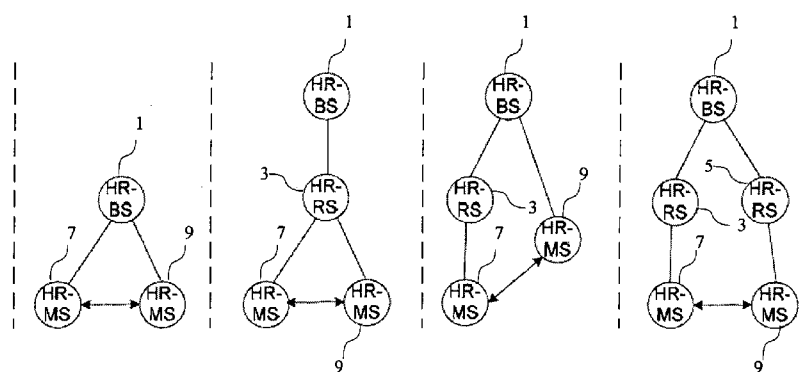


FIG. 1

(57) **Abstract:** In a first implementation, a method for performing direct mobile-to-mobile communication in a cellular mobile communication system, the cellular mobile communication system having at least two mobile stations and a communication network for providing a communication connection between the at least two mobile stations via at least one base station of the communication network is provided, method for performing direct mobile-to-mobile communication in a cellular mobile communication system includes associating a first mobile station and a second mobile station with the at least one base station, performing neighbor discovery between the first mobile station and the second mobile station for reporting to the at least one base station, detecting the feasibility of direct communication between the first mobile station and the second mobile station, establishing a direct communication link between the at least two mobile stations, allocating identification for communication and flow and resources for a flow between the first mobile station and the second mobile station, synchronizing the flow between the first mobile station and the second mobile station, and sending automatic repeat requests (ARQ) messages.



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