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(54) Title: ANTENNA ASSEMBLY AND ASSOCIATED METHOD FOR RADIO COMMUNICATION DEVICE

(57) Abstract

An antenna assembly (18), and an associated method, which exhibits a selected antenna beam configuration (44). The direction of a primary lobe (46) and of a null (48) is selected to improve the signal-to-noise and signal-to-interference ratios of communication signals transmitted between two communication stations. When implemented to form a portion of a base station (14) of a cellular communication system (10), the traffic capacity of the communication system (10) can be increased and the infrastructure costs of the system can be reduced.

