

Title (en)  
AN ANTENNA AND A FEED NETWORK FOR AN ANTENNA

Title (de)  
ANTENNE UND SPEISESCHALTUNG DAFÜR

Title (fr)  
ANTENNE ET RESEAU D'ALIMENTATION D'ANTENNE

Publication  
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Application  
**EP 98915162 A 19980325**

Priority  
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Abstract (en)  
[origin: WO9844590A1] An area-efficient network is configured such that a section of the feed network (1804, 1808) is disposed on a radiator portion of an antenna (1304, 1308) and the remainder of the feed network is disposed on a feed portion. Because part of the feed network is disposed on the radiator portion, the remainder of the feed network requires less area on the feed portion. As a result, the feed portion of the antenna can be smaller as compared to antennas having conventional feed networks. Preferably, the traces of the feed network that are disposed on the radiator portion are disposed opposite the ground portion of the radiators. As such, the ground portion of the radiators serves as a ground plane for this part of the feed network. The area-efficient feed network can be implemented with numerous different types of antennas of varying configurations, including single-band and multi-band helical antennas. As a result of this configuration, the overall size of the antenna and the amount of loss in the feed are reduced as compared to antennas having conventional feed networks.

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