

Title (en)

FOUR-PORT NETWORK FOR A MONOPULSE-TRACKING MICROWAVE ANTENNA

Publication

EP 0128970 B1 19900307 (DE)

Application

EP 83105973 A 19830618

Priority

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Abstract (en)

[origin: US4630059A] A four-port network which is connected to a microwave antenna feed horn for separating four signal paths associated, in pairs, with two polarizations and two frequency bands, and with the network also being utilized for the derivation of antenna tracking signals according to the monopulse principle. A conductor is disposed along the longitudinal axis of the waveguide connecting the antenna feed horn with the four-port network, with this conductor extending, on the one hand, to the region of the antenna feed horn throat and, on the other hand, into the four-port network so as to couple in signals of a higher order mode for the derivation of the antenna deviation signals.

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H01P 1/16; H01Q 25/04

IPC 8 full level

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