

Title (en)

ARRANGEMENT FOR TRANSFORMING THE POLARIZATION OF ELECTROMAGNETIC WAVES

Publication

EP 0042612 B1 19831012 (DE)

Application

EP 81104793 A 19810622

Priority

DE 3023562 A 19800624

Abstract (en)

[origin: US4387377A] Apparatus for converting the polarization of electromagnetic waves from linear polarization to circular polarization wherein a plurality of layers of meandering electrical conductors are formed into a sandwich mounted one above the other wherein at least some of the conductors on different sandwich layers are in phase with each other but in which at least one of the electrical conductors on at least one of the sandwich layers are formed so that adjacent or some of the conductors are not in phase with each other but are phase offset such that the composite structure produces improved circular polarization as compared to polarization converters of the prior art. The sandwich structure according to the invention can be utilized as integrated into a radome of a tracking radar antenna for example.

IPC 1-7

H01Q 15/24; **H01Q 1/42**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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