

Title (en)

CIRCULARLY POLARISED MICROWAVE RADIATING ELEMENT AND FLAT MICROWAVE ANTENNA USING AN ARRAY OF SUCH ELEMENTS

Publication

EP 0064313 B1 19860730 (FR)

Application

EP 82200487 A 19820423

Priority

FR 8108780 A 19810504

Abstract (en)

[origin: US4486758A] An antenna element for coupling circularly-polarized radiation to a feedline. The element includes a pair of superposed planar dielectric layers. An outer surface of each layer is covered with an electrically-conductive layer forming a ground plane and having a circular opening defining respective cavities. Orthogonally-crossed dipoles are disposed between the dielectric layers and adjacent the openings for coupling radiation to the feedline through striplines also disposed between the dielectric layers.

IPC 1-7

H01Q 1/38; **H01Q 21/24**

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP0264170A1; FR2599899A1; GB2355856A; GB2355856B; EP0445453A1; EP0089084A1; GB2335543A; GB2335543B; EP0667649A1; EP0355898A1; GB2340309A; GB2340309B; EP0252779A1; EP0271458A3; EP0188087A1; FR2545280A1; FR2651926A1; US5539420A; GB2212665A; GB2212665B; EP0071069A3; US6219002B1; US6281843B1

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EP 0064313 A1 19821110; **EP 0064313 B1 19860730**; AU 549062 B2 19860109; AU 8320582 A 19821111; CA 1186405 A 19850430; DE 3272279 D1 19860904; DE 8212076 U1 19821202; DK 195882 A 19821105; FR 2505097 A1 19821105; FR 2505097 B1 19850510; JP H0259642 B2 19901213; JP S57185704 A 19821116; JP S5893007 U 19830623; US 4486758 A 19841204

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