

Title (en)
END FIRE AERIAL

Publication
EP 0330303 A3 19910508 (EN)

Application
EP 89300460 A 19890118

Priority
GB 8804242 A 19880224

Abstract (en)
[origin: EP0330303A2] An end-fire aerial (6) includes a broadside aerial array (7), for example a horn antenna. A block (9) of dielectric foam material extends outwards from the array (7), in a direction perpendicular to the array. The block (9) is designed to be of such dimensions, and of a suitably low dielectric constant such that it produces an end-fire gain.

IPC 1-7
H01Q 13/28

IPC 8 full level
H01Q 13/02 (2006.01); **H01Q 13/24** (2006.01); **H01Q 19/08** (2006.01)

CPC (source: EP)
H01Q 13/24 (2013.01)

Citation (search report)
• [Y] US 3435458 A 19690325 - LEWIS BERNARD L
• [A] US 2425336 A 19470812 - MUELLER GEORGE E
• [A] US 3128467 A 19640407 - LANCTOT DONALD H
• [A] CH 402973 A 19651130 - MEKOFOR EN CONSTITUTION ETS [LI]
• [Y] Proceedings of the IEE vol. 122, no. 12, December 1975, London, England pages 1353 - 1358; James et al.: "Gain enhancement of microwave antennas by dielectric-filled radomes"

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WO9411921A1; US9608740B2; US9699785B2; US9788326B2; US9836957B2; US9906269B2; US10063280B2; US10194437B2; US10291311B2; US9627768B2; US9742462B2; US9831912B2; US9954286B2; US9997819B2; US10135145B2; US10168695B2; US10359749B2; US10411356B2; US9755697B2; US9768833B2; US9794003B2; US9871282B2; US9876584B2; US9999038B2; US10009065B2; US10020587B2; US10291334B2; US9705610B2; US9820146B2; US9853342B2; US9876587B2; US9913139B2; US9947982B2; US10051629B2; US10225025B2; US10355367B2; US10790593B2; US9722318B2; US10090606B2; US10305545B2; US10326689B2; US10341142B2; US10340600B2; US10389029B2; US10686496B2; US10777873B2; US11177981B2; US9628854B2; US9917341B2; US9954287B2; US10139820B2; US10594039B2; US10679767B2; US10916969B2; US11189930B2; US11658422B2; US9680670B2; US9712350B2; US9847566B2; US9866276B2; US9876605B1; US10136434B2; US10243784B2; US10312567B2; US10498044B2; US11032819B2; US9860075B1; US9948355B2; US10069535B2; US10129057B2; US10148016B2; US10587048B2; US10755542B2; US10819542B2; US9615269B2; US9866309B2; US9887447B2; US9935703B2; US9973416B2; US9973940B1; US9998932B2; US10050697B2; US10264586B2; US10326494B2; US10446936B2; US9893795B1; US9912027B2; US9948354B2; US10374316B2; US10511346B2; US10530505B2; US10665942B2; US10819035B2; US9640850B2; US9653770B2; US9661505B2; US9674711B2; US9912033B2; US10009067B2; US10033107B2; US10069185B2; US10142086B2; US10320586B2; US10361489B2; US10741923B2; US10784670B2; US11212138B2; US9628116B2; US9762289B2; US9929755B2; US9930668B2; US10051483B2; US10051630B2; US10091787B2; US10224634B2; US10340601B2; US10340603B2; US10382072B2; US10439290B2; US10469107B2; US10547348B2; US10601494B2; US9729197B2; US9769020B2; US9793951B2; US9806818B2; US9871558B2; US9927517B1; US9948333B2; US9960808B2; US10033108B2; US10243270B2; US10566696B2; US10637149B2; US10694379B2; US10811767B2; US9654173B2; US9692101B2; US9876570B2; US9876264B2; US9876571B2; US9882257B2; US9912381B2; US9912382B2; US9967002B2; US10020844B2; US10074890B2; US10096881B2; US10135146B2; US10154493B2; US10178445B2; US10650940B2; US9685992B2; US9742521B2; US9749083B2; US9871283B2; US9882277B2; US9912419B1; US9967173B2; US10074886B2; US10079661B2; US10135147B2; US10144036B2; US10535928B2; US10727599B2; US10938108B2; US9667317B2; US9705571B2; US9735833B2; US9769128B2; US9780834B2; US9793955B2; US9800327B2; US9838078B2; US9911020B1; US10090594B2; US10103422B2; US10205655B2; US10224981B2; US10298293B2; US10340573B2; US10340983B2; US10382976B2; US10396887B2; US10439675B2; US10594597B2; US10797781B2; US10812174B2; US9608692B2; US9787412B2; US9838896B1; US9847850B2; US9865911B2; US9882657B2; US9904535B2; US9973299B2; US9991580B2; US9998870B1; US10009063B2; US10009901B2; US10027398B2; US10027397B2; US10044409B2; US10090601B2; US10103801B2; US10142010B2; US10225842B2; US10305190B2; US10348391B2; US10349418B2; US10389037B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0330303 A2 19890830; EP 0330303 A3 19910508; GB 8804242 D0 19880713; JP H01316008 A 19891220

DOCDB simple family (application)
EP 89300460 A 19890118; GB 8804242 A 19880224; JP 4197089 A 19890223