

Title (en)

MICROWAVE ADAPTIVE SPATIAL FILTER AND ITS METHOD OF USE IN LOWERING OR SUPPRESSING THE SIDELOBES OF THE RADIATION PATTERN OF AN ANTENNA

Publication

EP 0014650 B1 19830511 (FR)

Application

EP 80400164 A 19800204

Priority

FR 7902918 A 19790205

Abstract (en)

[origin: US4344077A] Process to attenuate or cancel certain side lobes of a microwave antenna pattern by using a network of parallel wires loaded with resistances that are adjustable at will, arranged as a filter in front of the antenna. Application of this process to the elimination of the effects of active or passive interferences, as well as to the localization of jammers. Adaptive filter for microwave antennas.

IPC 1-7

H01Q 3/46; **H01Q 3/26**; **H01Q 15/00**

IPC 8 full level

H01Q 3/26 (2006.01); **H01Q 3/46** (2006.01); **H01Q 15/00** (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP US)

H01Q 3/2611 (2013.01 - EP US); **H01Q 3/46** (2013.01 - EP US); **H01Q 25/002** (2013.01 - EP US)

Citation (examination)

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Cited by

FR2736778A1; GB2300523A; GB2300523B; FR2718248A1; EP0241380A1; FR2597268A1; US4870423A; GB2266995A; FR2693039A1; GB2266995B; FR2629920A1; DE3441269A1; DE3441269C2; GB2462870A; GB2462870B; EP0035439B1

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