

Title (en)

ARRAY ANTENNA WITH RADIATING ELEMENTS DISTRIBUTED NON-UNIFORMLY IN SUBARRAYS

Title (de)

ARRAY-ANTENNE MIT UNEINHEITLICH IN UNTERARRAYS VERTEILTEN STRAHLUNGSELEMENTEN

Title (fr)

ANTENNE RESEAU AVEC ELEMENTS RAYONNANTS, REPARTIS NON UNIFORMEMENT EN SOUS-RESEAUX.

Publication

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Application

EP 08869041 A 20081219

Priority

- EP 2008068111 W 20081219
- FR 0709032 A 20071221

Abstract (en)

[origin: WO2009083513A1] The invention relates to an array antenna (ANT) comprising radiating elements (ELT) distributed in subarrays (SR1, SR2, SR3, SR4), the subarrays being supplied via substantially identical amplifiers (AMP1, AMP2, AMP3, AMP4) operating at identical levels. The radiating elements (ELT) of a given subarray are distributed non-uniformly in space, the distance between two adjacent radiating elements being a function of the illumination law desired for said array antenna and of the technical characteristics of the subarrays (SR1, SR2, SR3, SR4).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009083513A1

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DOCDB simple family (publication)

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