

Title (en)

BROAD-BAND DIRECTIONAL-ANTENNA ARRANGEMENT

Publication

EP 0190569 A3 19871028 (DE)

Application

EP 86100386 A 19860114

Priority

DE 3503990 A 19850206

Abstract (en)

[origin: US4811027A] A directional antenna is provided having an array of directional antenna elements arranged in at least one row. The directional antenna elements are activated in accordance with a predetermined pattern. The signal amplitudes on the receiving side are time-shifted to simulate a low-frequency signal for detection of deeper-lying anti-tank mines. Each directional antenna element has a pair of flat strips which lie close to each other at the base side and which proceed in parallel before diverging to a greater width toward the aperture side.

IPC 1-7

H01Q 13/08; **H01Q 21/06**

IPC 8 full level

H01Q 3/24 (2006.01); **H01Q 13/08** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP US)

H01Q 3/24 (2013.01 - EP US); **H01Q 13/08** (2013.01 - EP US); **H01Q 21/061** (2013.01 - EP US)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 59 (E-53)[731], 22. April 1981; & JP-A-56 008 903 (MITSUBISHI DENKI K.K.) 29-01-1981
- [A] IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, Band GE-21, Nr. 2, April 1983, Seiten 201-207, IEEE, New York, US; B.R. JEAN et al.: "A multiple beam synthetic aperture radar design concept for geoscience applications"

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Designated contracting state (EPC)

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EP 0190569 A2 19860813; **EP 0190569 A3 19871028**; **EP 0190569 B1 19900404**; DE 3503990 A1 19860807; DE 3503990 C2 19861120; DE 3670179 D1 19900510; IL 77519 A 19900429; US 4811027 A 19890307

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