

Title (en)
BROAD-BAND DIRECTIONAL-ANTENNA ARRANGEMENT

Publication
EP 0190569 B1 19900404 (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)

Cited by
DE102010014916A1; DE102010014916B4

Designated contracting state (EPC)
CH DE FR GB LI SE

DOCDB simple family (publication)
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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EP 86100386 A 19860114; DE 3503990 A 19850206; DE 3670179 T 19860114; IL 7751986 A 19860103; US 82627686 A 19860205