Title (en)
    A radar decoy

Title (de)
    Radar-Täuschecho

Title (fr)
    Leurre de radar

Publication
    EP 2390957 A1 20111130 (EN)

Application
    EP 10250968 A 20100524

Priority
    EP 10250968 A 20100524

Abstract (en)
    A decoy comprises a parachute 1 which, in use, suspends a support column 2 from which hangs a thread 3 comprising multiple antenna array elements 4 and a power pack 6. The decoy has been released from containment in a separable casing 5a, 5b. The casing is launched into the air by a launcher (not shown). Each antenna array element comprises multiple conjugate antenna pairs in an array, each antenna pair connected by a transmission line, all transmission lines being of equal length and the antenna arranged equi-distantly about a centre of the array, and an amplifier associated with each transmission line.

IPC 8 full level
    H01Q 3/26 (2006.01); **F41J 2/00** (2006.01); **H01Q 15/16** (2006.01)

CPC (source: EP)
    F41J 2/02 (2013.01); **F42B 5/15** (2013.01); **H01Q 3/2647** (2013.01); **H01Q 15/161** (2013.01)

Citation (applicant)
    US 2908002 A 19591006 - ATTA LESTER CLARE VAN

Citation (search report)
- [Y] FR 2807509 A1 20011012 - EADS DEUTSCHLAND GMBH [DE]
- [Y] US 5064140 A 19911112 - PITTMAN WILLIAM C [US], et al
- [A] US 3938151 A 19760210 - TRENAM RICHARD S
- [A] HONG TZUNG-JIR ET AL: "24 GHz active retrodirective antenna array", ELECTRONICS LETTERS, IEE STEVENAGE, GB LNKD- DOI:10.1049/EL:19991223, vol. 35, no. 21, 14 October 1999 (1999-10-14), pages 1785 - 1786, XP006012804, ISSN: 0013-5194

Citation (examination)
    BRAATEN BENJAMIN D ET AL: "A compact printed Van Atta Array with zero-phase CRLH transmission lines", 2015 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION & USNC/URSI NATIONAL RADIO SCIENCE MEETING, IEEE, 19 July 2015 (2015-07-19), pages 1856 - 1857, XP032797003, DOI: 10.1109/APS.2015.7305317

Cited by
    CN106207424A; CN110749864A; CN109037973A; EP4346010A1; WO2013045015A1; WO2013087522A1

Designated contracting state (EPC)
    AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
    BA ME RS

DOCDB simple family (publication)
    EP 2390957 A1 20111130

DOCDB simple family (application)
    EP 10250968 A 20100524