

Title (en)

Reflector with shaped surface and spatial separated foci for the illumination of identical areas, antenna system and method for determining the surface

Title (de)

Reflektor mit geformter Oberfläche und räumlich getrennten Foki zur Ausleuchtung identischer Gebiete, Antennensystem und Verfahren zur Oberflächenermittlung

Title (fr)

Réfecteur à surface déformable et à foyers spatialement séparés pour l'illumination de territoires identiques, système d'antenne et méthode pour la détermination de la surface

Publication

EP 1085598 A3 20020731 (DE)

Application

EP 00118245 A 20000904

Priority

DE 19945062 A 19990920

Abstract (en)

[origin: EP1085598A2] The surface of the reflector (1) comprises a local shaping formed in such way, that the reflector comprises at least one group spatially of separate focus points (10a, 10b, 110a, 110b), whereby electromagnetic beam bundles (5a, 5b, 50a, 50b) are directed through the reflector, outgoing from the group of focus points to a common area (3, 3a, 3b). An Independent claim is provided for an antenna system using the reflector, and a method for determining the surface shaping of the reflector.

IPC 1-7

H01Q 15/14; **H01Q 15/00**; **H01Q 19/17**; **H01Q 19/195**; **H01Q 25/00**

IPC 8 full level

H01Q 15/00 (2006.01); **H01Q 15/14** (2006.01); **H01Q 19/17** (2006.01); **H01Q 19/195** (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP US)

H01Q 15/147 (2013.01 - EP US); **H01Q 19/17** (2013.01 - EP US); **H01Q 19/195** (2013.01 - EP US); **H01Q 25/007** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0219321 A1 19870422 - BRITISH AEROSPACE [GB]
- [Y] EP 0920076 A2 19990602 - LORAL SPACE SYSTEMS INC [US]
- [Y] FR 2674377 A1 19920925 - ALCATEL ESPACE [FR]
- [Y] US 4544928 A 19851001 - AFIFI MOSTAFA S [US], et al
- [Y] US 4482897 A 19841113 - DRAGONE CORRADO [US], et al
- [XY] PATENT ABSTRACTS OF JAPAN vol. 017, no. 542 (E - 1441) 29 September 1993 (1993-09-29)
- [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 151 (E - 124) 11 August 1982 (1982-08-11)

Cited by

US7714792B2; WO2007007011A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1085598 A2 20010321; **EP 1085598 A3 20020731**; CA 2317388 A1 20010320; CA 2317388 C 20021224; CN 1289158 A 20010328; DE 19945062 A1 20010412; EP 1321999 A1 20030625; JP 2001127538 A 20010511; JP 5220966 B2 20130626; US 6255997 B1 20010703

DOCDB simple family (application)

EP 00118245 A 20000904; CA 2317388 A 20000907; CN 00126852 A 20000906; DE 19945062 A 19990920; EP 03005032 A 20000904; JP 2000285671 A 20000920; US 45518999 A 19991206