

Title (en)
In service reconfigurable antenna reflector.

Title (de)
In Betriebszeit rekonfigurierbarer Antennenreflektor.

Title (fr)
Réflecteur d'antenne reconfigurable en service.

Publication
EP 0519775 A1 19921223 (FR)

Application
EP 92401441 A 19920526

Priority
FR 9107534 A 19910619

Abstract (en)
An antenna reflector reconfigurable in service, including a rigid support structure (2), a deformable reflecting surface (1) having radio frequency reflectivity properties, and actuators (3) acting on this deformable reflecting surface in order to deform it, characterised in that this reflecting surface is conventionally deformable with a bending stiffness, and in that the actuators act at control points (P) of this deformable reflecting surface, in a direction transverse to the latter. <IMAGE>

IPC 1-7
H01Q 15/14

IPC 8 full level
H01Q 15/14 (2006.01)

CPC (source: EP US)
H01Q 15/147 (2013.01 - EP US)

Citation (search report)

- [A] EP 0290124 A2 19881109 - TRW INC [US]
- [A] WO 8901708 A1 19890223 - HUGHES AIRCRAFT CO [US]
- [A] 18TH EUROPEAN MICROWAVE CONFERENCE 88 Septembre 1988, STOCKHOLM, SWEDEN pages 482 - 487; CLARRICOATS ET AL.: 'A RECONFIGURABLE SATELLITE REFLECTOR ANTENNA'
- [A] ELECTRONICS LETTERS. vol. 27, no. 1, 3 Janvier 1991, STEVENAGE, GB pages 64 - 65; HAI ET AL.: 'EXPERIMENTAL VERIFICATION OF AN ELECTRONICALLY CONTROLLED RECONFIGURABLE REFLECTOR ANTENNA'
- [A] MICROWAVE ENGINEERING EUROPE Juin 1991, page 15; 'Mesh antennas pulled into shape'

Cited by
EP2648281A1; FR2989229A1; US9368876B2

Designated contracting state (EPC)
AT BE CH DE DK ES GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0519775 A1 19921223; CA 2070793 A1 19921220; FR 2678111 A1 19921224; FR 2678111 B1 19931022; JP H05191134 A 19930730; US 5440320 A 19950808

DOCDB simple family (application)
EP 92401441 A 19920526; CA 2070793 A 19920609; FR 9107534 A 19910619; JP 16052792 A 19920619; US 29260794 A 19940818