

Title (en)

Reflecting elements incorporated into aerospace structures for telecommunications

Title (de)

In Luftraumstrukturen für Telekommunikationen eingezogene reflektierende Elemente

Title (fr)

Éléments réfléchissants incorporés dans des structures aérospatiales pour télécommunications

Publication

EP 0803931 A2 19971029 (EN)

Application

EP 97500065 A 19970416

Priority

ES 9600938 A 19960425

Abstract (en)

Reflecting elements incorporated into aerospace structures for telecommunications. They consist of a support (2) based on a radiotransparent plastic film which bears a partial covering of conducting materials which assumes a geometrical shape in which a pattern suited to the desired function is repeated. The support (2) with its covering is incorporated within a dielectric structural support (3) which can assume various forms (thin membrane, single sandwich, double sandwich, triple sandwich and other more complex configurations) and in which the reflecting elements (1) are located in the position determined by the needs of the sought-after application, the incorporated elements (1) forming the surface for reflecting the radioelectric signals and furthermore serving to discriminate the radiofrequency signals. The invention is applicable to the field of satellite telecommunications.

<IMAGE>

IPC 1-7

H01Q 15/00

IPC 8 full level

H01Q 1/28 (2006.01); **H01Q 15/00** (2006.01); **H01Q 15/14** (2006.01)

CPC (source: EP)

H01Q 1/288 (2013.01); **H01Q 15/0013** (2013.01); **H01Q 15/142** (2013.01)

Cited by

EP2916387A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0803931 A2 19971029; **EP 0803931 A3 19980805**; CA 2203199 A1 19971025; ES 2115532 A1 19980616; ES 2115532 B1 19990216

DOCDB simple family (application)

EP 97500065 A 19970416; CA 2203199 A 19970421; ES 9600938 A 19960425