

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

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CPC (source: EP)

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