

Title (en)

USE OF A METALLISED FABRIC AS A MICROWAVE REFLECTOR

Publication

EP 0010711 B1 19820505 (DE)

Application

EP 79104077 A 19791022

Priority

DE 2847485 A 19781102

Abstract (en)

[origin: US4320403A] Metallized sheet-form textile materials of synthetic polymers or natural fibres, to which a metal layer has been applied by currentless wet-chemical deposition, are particularly suitable for use as reflectors for electromagnetic waves in the range from 10 MHz to 1000 GHz. In the case of stretched metallized fabrics, the reflecting radiation is partly polarized which can facilitate or improve the recognition of an object by radar beams. By periodically stretching and relaxing the fabric, it is even possible to modulate the reflected microwaves.

IPC 1-7

H01Q 15/20; **D06Q 1/04**

IPC 8 full level

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CPC (source: EP US)

D06M 11/83 (2013.01 - EP US); **D06Q 1/04** (2013.01 - EP US); **H01Q 15/14** (2013.01 - EP US); **H01Q 15/20** (2013.01 - EP US)

Cited by

DE3631696A1; DE3347389A1; US4857243A; US5209887A; EP0507632A1; EP0041607A3; FR2601392A1; DE3633257A1; DE3247652A1; GB2256529A; GB2256529B; EP0077486A1

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