

Title (en)

COATING FOR THE CONCEALMENT OF OBJECTS FROM THE ELECTROMAGNETIC RADIATION OF ANTENNAS

Title (de)

BESCHICHTUNG ZUR VERBERGUNG VON OBJEKTEN VOR DER ELEKTROMAGNETISCHEN STRAHLUNG VON ANTENNEN

Title (fr)

REVÊTEMENT POUR LA DISSIMULATION D'OBJETS AU RAYONNEMENT ÉLECTROMAGNÉTIQUE D'ANTENNES

Publication

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Application

EP 17804605 A 20171024

Priority

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Abstract (en)

[origin: WO2018078282A1] The invention relates to an assembly comprising a device (20) and an obstacle (10) subjected to an incident electromagnetic wave of wavelength λ . The obstacle (10) is formed from an electrically conductive material and has a substantially cylindrical shape of transverse dimensions r with respect to a longitudinal axis (O; ez), said longitudinal axis is substantially perpendicular to a propagation direction of the incident electromagnetic wave. The obstacle (10) further has a maximum transverse dimension d such that the ratio d/λ is less than 1. The device (20) is placed on all or part of a surface of the obstacle (10) and comprises a sleeve with a dielectric coating (21) of equivalent relative dielectric permittivity ϵ_{req} , of height h_p along a longitudinal axis of said sleeve, substantially equal to formula (A), and a sleeve with an electrically conductive coating (22) placed on the periphery of the dielectric coating (21).

IPC 8 full level

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CPC (source: EP US)

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