

Title (en)  
RADOME WALL FOR COMMUNICATION APPLICATIONS

Title (de)  
RADOMWANDUNG FÜR KOMMUNIKATIONSANWENDUNGEN

Title (fr)  
PAROI DE RADÔME POUR LES APPLICATIONS DES COMMUNICATIONS

Publication  
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Application  
**EP 17793900 A 20171024**

Priority

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Abstract (en)  
[origin: WO2018077823A1] The invention relates to a radome wall (1) for communication, in particular data transmission, in the frequency band of from 17 to 31 GHz, in particular for use in commercial aircraft, and also to a radome with a corresponding radome wall (1). The radome wall (1) according to the invention for communication in the frequency band of from 17 to 31 GHz for use in commercial aircraft comprises a multilayer structure with an alternating arrangement of force-absorbing fixed covering layers (11, 12, 13, 12', 11') and shear-resistant core layers (21, 22, 22', 21'), wherein the radome wall (1) comprises at least four covering layers (11, 12, 13, 12', 11'), two (11, 11') of which form the outer sides of the radome wall (1), and wherein the covering layers (11, 12, 13, 12', 11') and the core layers (21, 22, 22', 21') are composed of dielectric materials. The invention further relates to a radome for use in commercial aircraft, the wall of said radome being designed in a manner according to the invention.

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CPC (source: EP US)  
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US 2011050370 A1 20110303 - LEE CHENG-CHING [TW], et al

Cited by  
DE102022127708A1; WO2024083680A1

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