

Title (en)

RADOME AND ASSOCIATED MOBILE COMMUNICATIONS ANTENNA, AND METHOD FOR PRODUCING THE RADOME OR THE MOBILE COMMUNICATIONS ANTENNA

Title (de)

RADOM SOWIE ZUGEHÖRIGE MOBILFUNKANTENNE UND VERFAHREN ZUR HERSTELLUNG DES RADOMS ODER DER MOBILFUNKANTENNE

Title (fr)

RADÔME ET ANTENNE DE TÉLÉPHONIE MOBILE ASSOCIÉE ET PROCÉDÉ DE FABRICATION DU RADÔME OU DE L'ANTENNE DE TÉLÉPHONIE MOBILE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016135080A1] An improved radome and an associated improved method for producing a radome are distinguished, inter alia, by the following features: – the radiation structure consists of a passive radiation structure (157, 157'; FSS), preferably in the form of frequency-selective surfaces (FSS), wherein a) the passive radiation structure (157, FSS) is generated by structured metal faces which are surrounded by metal-free regions or b) the radiation structures (157', FSS) are formed by recesses (158) in a metal film or a metal layer (57), – the passive radiation structures (157) consist of a composite film (41), – the composite film (41) comprises at least one plastic carrier layer (55, 59) and a metal film or metal layer (57) applied thereon, and – the composite film (41) is attached or adhesively bonded to the outer surface or outer skin (19') of the radome (5).

IPC 8 full level

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