

Title (en)

METHOD FOR PRODUCING A RADAR REFLECTION DIMINISHING STRUCTURAL COMPONENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES RADARREFLEXIONSMINDERNDEN BAUELEMENTES

Title (fr)

PROCEDE DE PRODUCTION D'UN MODULE REDUISANT LES REFLEXIONS RADAR

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Application

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Priority

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Abstract (en)

[origin: WO9927612A1] The invention relates to a method for producing a radar reflection diminishing structural component comprised of a core element. The structural component is preferably comprised of a honeycomb core or a substrate especially for a two-dimensional sandwich structural component having a lower layer and an upper layer between which the core element is arranged. In order to produce a light structural component having a wide-band, efficient and optimized absorption characteristic of radar beams, the core element is immersed in and/or removed from a metallic immersion bath or an immersion device in a path-controlled and time-controlled manner by means of a computer supported simulation. As a result, the parameters for a subsequent galvanic treatment of the core element are determined with simulation values of the entire core element, said values being determined with the assistance of the computer, in order to deposit the layers with given or adjusted layer thickness gradients. After immersing the core element in the immersion bath, the inner and outer surfaces of the core element are coated with a thin metal layer by means of an electrochemical method.

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