

Title (en)
ELECTROMAGNETIC ABSORBER

Title (de)
ELEKTROMAGNETISCHER ABSORBER

Title (fr)
ABSORBANT ELECTROMAGNETIQUE

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Application
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Abstract (en)
[origin: WO2014044786A1] The invention relates to an electromagnetic absorber (1) comprising: a metal ground plane (2); an insulating dielectric substrate (3) arranged on said metal ground plane; and an array of resonating metal elements (4) arranged on said insulating dielectric substrate, the electromagnetic resonant frequency of a resonant element being adjusted by adapting the dimensions of the resonant element, the array of resonant elements comprising resonant elements of various sizes in order to allow, via juxtaposition of different electromagnetic resonant frequencies, a preset electromagnetic absorption band to be produced. An elementary pattern formed by a plurality of metal resonant elements may be repeated periodically.

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