

Title (en)
ANTENNA WITH PARTIALLY SATURATED DISPERSIVE FERROMAGNETIC SUBSTRATE

Title (de)
ANTENNE MIT TEILWEISE GESÄTTIGTEM DISPERSIVEM FERROMAGNETISCHEM SUBSTRAT

Title (fr)
ANTENNE À SUBSTRAT FERROMAGNÉTIQUE DISPERSIF PARTIELLEMENT SATURÉ

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Application
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Abstract (en)
[origin: WO2019069033A1] The invention relates to an antenna comprising at least two non-ferrous metal plates, at least one first plate forming a radiating portion (4H) and a second plate forming a ground plane (4B), at least one substrate arranged between the ground plane (4B) and the radiating portion (4H), and an exciter having a length at least equal to the thickness of the substrate, said exciter extending between the ground plane (4B) and the radiating portion (4H) and being connected to the radiating portion (4H), and adapted to supply the antenna, characterised in that the substrate is a dispersive ferromagnetic substrate referred to as a dispersive ferrite (1), the magnetic properties thereof being a high relative magnetic permeability of between 10 and 10,000 and a high magnetic loss tangent greater than 0.1, the antenna comprising means for gradually locally reducing the magnetic properties of the dispersive ferrite (1).

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Citation (examination)
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