

Title (en)
Variable frequency conductive structure

Title (de)
Frequenzvariable Leitungsstruktur

Title (fr)
Structure conductrice variable en fonction de la fréquence

Publication
EP 1768212 B1 20080402 (FR)

Application
EP 06121114 A 20060922

Priority
FR 0552871 A 20050926

Abstract (en)
[origin: EP1768212A1] The structure has a surface conductor electrically plane element (SA) and a surface conductive electrically plane strip (SB) disposed on a side of a dielectric substrate and provided with respective edges, and a set of vertical unidirectional nanostructures (NT) having a resonance frequency, where the nanostructures are carbon nanotubes. The nanostructures have an axis perpendicular to the plane of the element and strip and are distributed, directly on the substrate, between the edges of the element and strip, where each nanotube is a filtering element. An independent claim is also included for a multiband chip floor plan for an antenna.

IPC 8 full level
H01Q 9/40 (2006.01)

CPC (source: EP)
H01Q 7/00 (2013.01); **H01Q 15/008** (2013.01)

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