

Title (en)  
BROADBAND WIRE ANTENNA WITH RESISTIVE PATTERNS HAVING VARIABLE RESISTANCE

Title (de)  
BREITBANDDRAHTANTENNE MIT WIDERSTANDSMUSTERN MIT VARIABLEM WIDERSTAND

Title (fr)  
ANTENNE FILAIRE LARGE BANDE A MOTIFS RESISTIFS AVEC RESISTANCE VARIABLE

Publication  
**EP 3469657 A1 20190417 (FR)**

Application  
**EP 17731504 A 20170609**

Priority  
• FR 1600944 A 20160610  
• EP 2017064178 W 20170609

Abstract (en)  
[origin: WO2017212047A1] The invention relates to a wire antenna capable of operating in at least one predetermined band of frequencies, comprising a plurality of superposed layers, comprising at least one radiating element (4) placed on a support layer (6), said support layer (6) being placed on a spacer substrate (8), said spacer substrate (8) being placed on a reflecting plane (10), comprising at least one resistive layer (12) between the support layer of the radiating elements and the spacer substrate, the resistive layer (12) comprising at least two sets (12a, 12b, 12c) of nested resistive patterns. This antenna is such that the sets (12a, 12b, 12c) of resistive patterns have resistance values that vary progressively between a central point of the antenna and an outer rim of the antenna, in such a way as to produce a resistance gradient.

IPC 8 full level  
**H01Q 9/27** (2006.01); **H01Q 11/10** (2006.01); **H01Q 17/00** (2006.01)

CPC (source: EP US)  
**H01Q 9/27** (2013.01 - EP US); **H01Q 11/105** (2013.01 - EP US); **H01Q 17/00** (2013.01 - EP); **H01Q 17/008** (2013.01 - US)

Citation (search report)  
See references of WO 2017212047A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2017212047 A1 20171214**; EP 3469657 A1 20190417; EP 3469657 B1 20211229; FR 3052600 A1 20171215; FR 3052600 B1 20180706; US 11509062 B2 20221122; US 2020044356 A1 20200206

DOCDB simple family (application)  
**EP 2017064178 W 20170609**; EP 17731504 A 20170609; FR 1600944 A 20160610; US 201716308775 A 20170609