

Title (en)
ANTENNA WITH BROADBAND TRANSMITTER NETWORK

Title (de)
ANTENNE MIT BREITBANDÜBERTRAGUNGSNETZ

Title (fr)
ANTENNE À RÉSEAU TRANSMETTEUR LARGE BANDE

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EP 3540853 A1 20190918 (FR)

Application
EP 19162018 A 20190311

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FR 1852200 A 20180314

Abstract (en)
[origin: US2019288403A1] The invention concerns a transmit array (203) including a plurality of cells, each cell being capable of transmitting a radio signal by introducing into this signal a phase shift, said plurality of cells including cells of a first type (205-I) and cells of a second type (205-II), wherein: the array comprises a stack of first (M1), second (M2), and third (M3) conductive layers separated two by two by dielectric layers (D1, D2); each cell includes a first antenna element (205a) formed in the first conductive layer (M1) and a second antenna element (205b) formed in the third conductive layer (M3); in each cell of the first type, the first antenna element is connected to the second antenna element by a via (211) crossing the second conductive layer; and in each cell of the second type, the first antenna element is not connected to the second antenna element.

Abstract (fr)
L'invention concerne un réseau transmetteur (203) comprenant une pluralité de cellules, chaque cellule étant adaptée à transmettre un signal radio en introduisant dans ce signal un déphasage, ladite pluralité de cellules comportant des cellules d'un premier type (205-I) et des cellules d'un deuxième type (205-II), dans lequel :le réseau comprend un empilement de première (M1), deuxième (M2) et troisième (M3) couches conductrices séparées deux à deux par des couche diélectriques (D1, D2) ;chaque cellule comprend un premier élément d'antenne (205a) formé dans la première couche conductrice (M1) et un deuxième élément d'antenne (205b) formé dans la troisième couche conductrice (M3) ;dans chaque cellule du premier type, le premier élément d'antenne est connecté au deuxième élément d'antenne par un via (211) traversant la deuxième couche conductrice ; etdans chaque cellule du deuxième type, le premier élément d'antenne n'est pas connecté au deuxième élément d'antenne.

IPC 8 full level
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CPC (source: EP US)
H01Q 3/46 (2013.01 - EP US); **H01Q 21/061** (2013.01 - US); **H01Q 21/22** (2013.01 - US); **H01Q 21/065** (2013.01 - EP US)

Citation (search report)
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