Title (en)

WIDEBAND ANTENNA ARRAY

Title (de)

BREITBAND-ANTENNENARRAY

Title (fr)

RÉSEAU D'ANTENNES À LARGE BANDE

Publication

EP 3025395 A1 20160601 (DE)

Application

EP 14733091 A 20140626

Priority

- DE 102013012305 A 20130724
- EP 2014001732 W 20140626

Abstract (en)

[origin: WO2015010760A1] An improved antenna array is distinguished inter alia by the following features: each of at least two antenna columns (5; 5a, 5b) contains at least one supplementary antenna element (21; 21a, 21b), the at least two supplementary antenna elements (21; 21a, 21b) are arranged such that the centres (21 'a, 21 'b) of the at least two supplementary antenna elements (21; 21a, 21b) are arranged with a horizontal lateral spacing (b) that is smaller than the lateral spacing (a) between the centres (9', 11') of the antenna element groups (9) or of the antenna elements (11) in the two antenna columns (5; 5a, 5b), the wideband antenna elements (11; 11a, 11b) in a respective antenna column (5; 5a, 5b) are fed jointly together with the at least one supplementary antenna element (21; 21a, 21b), and a distribution network (N; Na, Nb) is provided for the at least one antenna element group (9; 9a, 9b) with the at least one associated antenna element (11; 11a, 11b) with an associated filter function (F) for the at least one associated supplementary antenna element (21; 21a, 21b), which radiate in a higher frequency subband than the wideband antenna elements.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP US)

H01Q 1/246 (2013.01 - EP US); **H01Q 5/10** (2015.01 - US); **H01Q 21/061** (2013.01 - EP US)

Citation (search report)

See references of WO 2015010760A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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