

Title (en)

ULTRA BROAD BAND DUAL POLARIZED RADIATING ELEMENT FOR A BASE STATION ANTENNA

Title (de)

SEHR BREITBANDIGES DUALPOLARISIERTES STRAHLENDES ELEMENT FÜR EINE BASISSTATIONSANTENNE

Title (fr)

ÉLÉMENT RAYONNANT À DOUBLE POLARISATION ET BANDE ULTRA LARGE POUR ANTENNE DE STATION DE BASE

Publication

**EP 3232504 B1 20200909 (EN)**

Application

**EP 16164812 A 20160412**

Priority

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Abstract (en)

[origin: EP3232504A1] The invention refers to a radiating element for a base station antenna, the radiating element comprising: a support structure, at least a pair of dipole arms in a first layer of the support structure, and at least two parasitic arms in a second layer of the support structure, wherein the distance between the first and the second layer is between 0.0004 and 0.1, preferably between 0.002 and 0.02, of the minimum wavelength of the operating frequency band of the radiating element, wherein the area of the parasitic arms in a projection perpendicular from the second to the first layer cover at least 60% of the areas of the at least one pair of dipole arms.

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/357** (2015.01); **H01Q 5/385** (2015.01); **H01Q 9/06** (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/28** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)

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Citation (examination)

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- CN 201421887 Y 20100310 - GUANGZHOU EYECOM TELECOMM CO LTD
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