

Title (en)
ELEMENTARY ANTENNA COMPRISING A PLANAR RADIATING DEVICE

Title (de)
ELEMENTARE ANTENNE MIT EINER PLANAREN STRAHLUNGSVORRICHTUNG

Title (fr)
ANTENNE ELEMENTAIRE A DISPOSITIF RAYONNANT PLANAIRE

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Application
EP 18701503 A 20180201

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Abstract (en)
[origin: WO2018141852A1] The invention relates to an elementary antenna comprising a planar radiating device (10) comprising a substantially flat radiating element (11) having a centre (C), the plane containing the radiating element (11) being defined by a first straight line (D1) passing through the centre (C) and a second straight line (D2) perpendicular to the first straight line (D1) and passing through the centre (C), said radiating element (11) comprising a plurality of pairs of excitation points arranged in at least one first quadruplet of excitation points located at a distance from the first straight line (D1) and the second straight line (D2), comprising a first pair of excitation points (1+, 1-) arranged substantially symmetrically in relation to said first straight line (D1) and a second pair of excitation points (2+, 2) arranged substantially symmetrically in relation to said second straight line (D2), the elementary antenna comprising a plurality of processing circuits that can supply differential excitation signals for exciting the excitation points and/or shaping signals emitted from the excitation points, each pair of excitation points being coupled to a processing circuit such that the processing circuit excites the pair of excitation points in a differential manner and/or processes differential signals emitted from the pair of points.

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Citation (search report)
See references of WO 2018141852A1

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