Title (en)

FOIL ELEMENT and method for manufacturing a foil element

Title (de)

FOLIENELEMENT und Verfahren zur Herstellung eine Folienelements

Title (fr)

Laminé et procédé de fabrication d'un laminé

Publication

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Application

EP 11749337 A 20110728

Priority

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Abstract (en)

[origin: WO2012019713A1] The invention relates to a foil element (1) and to a method for producing such a foil element. The foil element (1) comprises a dielectric carrier layer (10), which spans an xy plane (E) of a Cartesian coordinate system having an x axis (61), a y axis (62) and a z axis (63), and at least one electrically conductive layer which is arranged on the carrier layer (10) and in which a conductor track (27) is formed in a frame-like region (5) of the foil element (1). The frame-like region (5) is formed by the area of a larger, outer rectangle (80) having sides (81, 82, 83, 84) each running parallel to the x axis (61) or y axis (62), from which area the area of a smaller, inner rectangle (90) with the same orientation as the outer rectangle (80) is cut out. The frame-like region (5) is subdivided into two frame sections (51, 52, 53, 54) running parallel to the x axis and two frame sections (51, 52, 53, 54) running parallel to the y axis, each of which sections is bounded by a bounding side (81, 82, 83, 84) of the outer rectangle (80) and a side (91, 92, 93, 94) of the inner rectangle (90) directly adjacent to the bounding side (81, 82, 83, 84) of the outer rectangle (80) and parallel thereto and subdivides the conductor track into conductor track sections (71a to 71d, 72a to 72d, 73d). A mechanical property of the carrier layer (10) is different along the x axis (61) and the y axis (62). More than 50% of the length of at least one conductor track section (71a to 71d, 72a to 72d, 73d) runs obliquely to the x axis (61) and the y axis (62), seen parallel to the z axis (63).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2012019713A1

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