

Title (en)
INDUCTIVE MINIATURE COMPONENT, IN PARTICULAR AN ANTENNA

Title (de)
INDUKTIVES MINIATUR-BAUELEMENT, INSBESONDERE ANTENNE

Title (fr)
COMPOSANT INDUCTIF MINIATURE, EN PARTICULIER ANTENNE

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EP 1634308 A2 20060315 (DE)

Application
EP 04802950 A 20041217

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Abstract (en)
[origin: WO2005062316A2] The invention relates to an inductive miniature component, in particular to an antenna. Said component comprises a winding body (1) that is configured as a flat element, on which three coil windings (2X, 2Y, 2Z) are mounted in such a way that the axes of the coil windings point in three spatial directions (X, Y, Z). The winding body (1) consists of a plastic material and contains a receiving chamber (5) inside its external surfaces, into which a ferrite core, which is configured as a flat element is introduced or inserted, said chamber having guide surfaces (7.1 to 7.3) and running essentially parallel to the central plane. To guide the third coil winding (2Z), the winding body (1) can be equipped with guide elements (3.1, 3.4; 4.1, 4.4) on its upper and lower faces in the corner regions, said elements forming pockets with a U-shaped cross-section, in which the coils of the third coil winding (2Z) are housed. The guide elements (3.1, 3.4) on the lower face of the winding body (1) can be provided with contact elements (6.1, 6.4), to which the ends of the coil windings are connected.

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Cited by
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