

Title (en)
IMPEDANCE TRANSFORMER

Title (de)
IMPEDANZWANDLERVORRICHTUNG

Title (fr)
DISPOSITIF A TRANSFORMATEUR D'IMPEDANCE

Publication
EP 1741158 A1 20070110 (DE)

Application
EP 05738431 A 20050428

Priority
• EP 2005004590 W 20050428
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Abstract (en)
[origin: WO2005107005A1] Disclosed is an improved impedance transformer comprising an electrically conducting outer conductor (1) with one or several terminal points for electrical wires, an electrically conducting inner conductor (2) with one or several terminal points for electrical wires, and a dielectric (3) that is arranged between the outer conductor (1) and the inner conductor (2). The inventive transformer is characterized by the following features: - the outer conductor (1) encompasses a base (1a) which is delimited by one or several sidewalls (1b, 1c, 1d, 1e) such that an outer conductor housing comprising an interior space and an opening located opposite the base is formed; - the inner conductor (2) is disposed in the interior space, the inner conductor (2) and the outer conductor (1) being isolated from one another by means of the dielectric (3); - the inner conductor (2) encompasses at least one web-shaped section (2a, 2b) comprising a web bottom (21; 21') and at least one web wall (22, 23; 22', 23') that extends from the web bottom (21; 21') in the direction of the opening of the outer conductor housing.

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