

Title (en)

A METHOD OF PRODUCING AN LC-CIRCUIT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KREISLAUFS

Title (fr)

PROCEDE DE FABRICATION DE CIRCUIT LC

Publication

EP 0888631 A1 19990107 (EN)

Application

EP 97915350 A 19970321

Priority

- DK 9700125 W 19970321
- DK 33696 A 19960322

Abstract (en)

[origin: WO9736307A1] A method is provided of producing an LC-circuit in form of a single component, in which the inductor and capacitor elements are arranged atop one another, and where the inductor elements are formed by ferromagnetic zones made of layers (6, 8) of ferrite of a high permeability, and between which electrode layers (7) are provided, and where the capacitor elements are formed by dielectric zones made of layers (9) of dielectric with electrode layers (4, 5) on both sides, said inductor and capacitor elements being produced by way of tape- or thick-film technology. According to the invention, the capacitor elements are initially provided and being subjected to a sintering at a relatively high temperature, whereafter the inductor elements (6, 7, 8) are applied and a sintering is performed at a considerably lower temperature. In this manner undesired reactions are avoided between the two zones.

IPC 1-7

H01G 4/40

IPC 8 full level

H01F 27/00 (2006.01); **H01F 41/04** (2006.01); **H01G 4/40** (2006.01); **H03H 3/00** (2006.01); **H03H 7/01** (2006.01)

CPC (source: EP)

H01G 4/40 (2013.01); **H03H 3/00** (2013.01); **H03H 7/0115** (2013.01); **H03H 2001/0057** (2013.01); **H03H 2001/0085** (2013.01)

Citation (search report)

See references of WO 9736307A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9736307 A1 19971002; AU 2286797 A 19971017; DK 33696 A 19970923; EP 0888631 A1 19990107; JP 2000509554 A 20000725

DOCDB simple family (application)

DK 9700125 W 19970321; AU 2286797 A 19970321; DK 33696 A 19960322; EP 97915350 A 19970321; JP 53394897 A 19970321