

Title (en)

Substrate-mounted common mode choke coil and method of manufacture thereof

Title (de)

SMD-Gleichtaktdrosselspule und Verfahren zu deren Herstellung

Title (fr)

Bobine d'arrêt de mode commun pour montage en surface et son procédé de fabrication

Publication

**EP 1089302 A1 20010404 (EN)**

Application

**EP 00121450 A 20000929**

Priority

JP 28007999 A 19990930

Abstract (en)

A common mode choke coil has first and second spiral conductive layer elements electrically insulated from each other at a base. The base is made of a magnetic material or a dielectric material. at least one of the first and the second spiral conductive layer elements is formed in close contact with a surface of the base. The common mode choke coil has two spiral conductor layer elements at a base. Therefore, the common mode choke coil may be easily and economically provided that has high Q-characteristics or high impedance at a common mode and little fluctuation of resonance frequencies and inductance. <IMAGE>

IPC 1-7

**H01F 17/00**; **H01F 41/04**; **H01L 23/64**

IPC 8 full level

**H01F 27/28** (2006.01); **H01F 5/00** (2006.01); **H01F 17/00** (2006.01); **H01F 17/04** (2006.01); **H01F 37/00** (2006.01); **H01F 41/04** (2006.01)

CPC (source: EP KR)

**H01F 5/00** (2013.01 - KR); **H01F 17/0033** (2013.01 - EP); **H01F 41/046** (2013.01 - EP); **H01F 17/045** (2013.01 - EP); **H01F 37/00** (2013.01 - EP); **H01F 2017/0093** (2013.01 - EP); **H01L 2924/0002** (2013.01 - EP)

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