

Publication

**EP 0702378 A3 19960424**

Application

**EP 95114392 A 19950913**

Priority

DE 4432740 A 19940914

Abstract (en)

[origin: EP0702378A2] The chip inductance has a solid core part of ferromagnetic or electrically non-conductive material, especially ferrite, ceramic or plastic. The core part has a winding space for single or multilayer windings. The winding ends (9) are welded to contact elements on the front face. The winding ends are fixed to the contact elements using indirect laser welding. The contact elements have a coating of a solder metal. The contact elements also have a recess (7) which is the on and off winding site and also acts as shielding and welding material for the indirect laser welding.

IPC 1-7

**H01F 17/04**; **H01F 27/29**; **H01F 41/10**; **H01F 41/06**

IPC 8 full level

**H01F 27/28** (2006.01); **H01F 17/04** (2006.01); **H01F 27/29** (2006.01); **H01F 41/06** (2006.01); **H01F 41/076** (2016.01); **H01F 41/10** (2006.01)

CPC (source: EP)

**H01F 27/29** (2013.01); **H01F 41/076** (2016.01); **H01F 41/10** (2013.01)

Citation (search report)

- [A] DE 2636674 A1 19780216 - BOSCH GMBH ROBERT
- [A] FR 1596509 A 19700622
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 254 (E - 148) 14 December 1982 (1982-12-14)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 249 (E - 1366) 18 May 1993 (1993-05-18)
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 230 (E - 142) 16 November 1982 (1982-11-16)
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 211 (E - 137) 23 October 1982 (1982-10-23)

Cited by

DE19710462A1; DE19710462C2; WO9840897A1

Designated contracting state (EPC)

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**EP 0702378 A2 19960320**; **EP 0702378 A3 19960424**; **EP 0702378 B1 20040818**; DE 4432740 A1 19960321; DE 59510936 D1 20040923; FI 954320 A0 19950914; FI 954320 A 19960315; JP 3961036 B2 20070815; JP H0888130 A 19960402

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**EP 95114392 A 19950913**; DE 4432740 A 19940914; DE 59510936 T 19950913; FI 954320 A 19950914; JP 25445095 A 19950907