Title (en)

Integrated inductive device

Title (de)

Integrierte induktive Vorrichtung

Title (fr)

Dispositif inductif intégré.

Publication

EP 2293309 A1 20110309 (FR)

Application

EP 10174810 A 20100901

Priority

FR 0956100 A 20090908

Abstract (en)

The device (1) has a central loop (2) formed between outer loops (3, 4). The outer loops are coupled to the central loop so as to form two patterns in 8 shape. A common portion of the patterns corresponds to the central loop. The central loop is inserted between the outer loops. An additional axis (B) is perpendicular to symmetry axis (A). Two power supply units (5, 6) are connected to the central loop. One of the outer loops is mutually coupled to the central loop by a link (7).

Abstract (fr)

Dispositif inductif intégré comprenant une spire centrale (2) disposée entre deux spires externes (3,4) couplées mutuellement à la spire centrale (2) de manière à former deux motifs sensiblement en forme de huit ayant une partie commune correspondant à ladite spire centrale (2).

IPC 8 full level

H01F 17/00 (2006.01); **H01F 27/34** (2006.01)

CPC (source: EP US)

H01F 17/0006 (2013.01 - EP US); **H01F 27/346** (2013.01 - EP US); H01F 2017/0073 (2013.01 - EP US); H01F 2017/0086 (2013.01 - EP US)

Citation (applicant)

US 2005195063 A1 20050908 - MATTSSON THOMAS [SE]

Citation (search report)

- [X] WO 2009081342 A1 20090702 - NXP BV [NL], et al
- [XD] US 2005195063 A1 20050908 - MATTSSON THOMAS [SE]
- [X] US 2004140878 A1 20040722 - HEIMA TETSUYA [JP]
- [X] US 2005140486 A1 20050630 - LIN HUNG-WEN [TW]
- [X] NATHAN M NEIHART ET AL: "Twisted inductors for low coupling mixed-signal and RF applications", CUSTOM INTEGRATED CIRCUITS CONFERENCE, 2008. CICC 2008. IEEE, IEEE, PISCATAWAY, NJ, USA, 21 September 2008 (2008-09-21), pages 575 - 578, XP031361527, ISBN: 978-1-4244-2018-6

Cited by

EP3238219A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2293309 A1 20110309; US 2011057759 A1 20110310; US 9019065 B2 20150428

DOCDB simple family (application)

EP 10174810 A 20100901; US 87659510 A 20100907