

Title (en)

COMPONENT FORMING AT LEAST ONE INDUCTANCE FOR AN ELECTRICAL CIRCUIT

Title (de)

KOMPONENTE, DIE MINDESTENS EINEN INDUKTOR FÜR EINEN ELEKTRISCHEN SCHALTKEIS BILDET

Title (fr)

COMPOSANT FORMANT AU MOINS UNE INDUCTANCE POUR CIRCUIT ELECTRIQUE

Publication

EP 3792941 B1 20220817 (FR)

Application

EP 20194464 A 20200903

Priority

FR 1909977 A 20190910

Abstract (en)

[origin: CN112562989A] A component (1) forming at least one inductor is disclosed. The component comprises: at least one structure (4) made of a magnetically conductive material; a printed circuit board portion (2), which is assembled with the structure (4) and comprises at least one conductive track (3); and at least one bus bar (6) fixed on the printed circuit board portion (2). The bus bar (6) and the conductive track (3) of the printed circuit board portion (2) are placed relative to each other and directly connected to form a conductive element cooperating with the structure (4) made of a magnetically conductive material so as to form the inductor; the bus bar is formed by at least two sections (30; 30a, 30b), and at least two sections are used one after the other by the current flowing in the bus bar (6).

IPC 8 full level

H01F 27/245 (2006.01)

CPC (source: CN EP)

H01F 27/24 (2013.01 - CN); **H01F 27/245** (2013.01 - EP); **H01F 27/2804** (2013.01 - CN); **H01F 27/2847** (2013.01 - CN);
H01F 2027/2814 (2013.01 - CN)

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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3792941 A1 20210317; **EP 3792941 B1 20220817**; CN 112562989 A 20210326; FR 3100653 A1 20210312; FR 3100653 B1 20210730

DOCDB simple family (application)

EP 20194464 A 20200903; CN 202010945239 A 20200910; FR 1909977 A 20190910