

Title (en)
THROTTLE AND METHOD FOR MANUFACTURING SUCH A THROTTLE

Title (de)
DROSSEL UND VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN DROSSEL

Title (fr)
BOBINE D'INDUCTANCE ET PROCÉDÉ DE FABRICATION D'UNE TELLE BOBINE D'INDUCTANCE

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Application
EP 22178352 A 20220610

Priority
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Abstract (en)
[origin: WO2023237708A1] The invention relates to a choke (1) comprising: at least one winding (2) each having two connections (3, 4); and a magnetic core (5) provided with an air gap (6), wherein a coil body (8) consisting of at least two parts (9, 10) is provided for receiving the at least one winding (2), and a base plate (11) that can be connected to the coil body (8) is also provided. According to the invention, the at least two parts (9, 10) of the coil body (8) and the base plate (11) have first latching elements (12, 14) and second latching elements (13, 15) for connecting, without tools, the at least two parts (9, 10) of the coil body (8) and for connecting, without tools, the base plate (11) to the coil body (8), and the magnetic core (5) is constructed from a plurality of sheets (7) stacked one on top of the other, and the base plate (11) is designed to receive the sheets (7) of the magnetic core (5).

Abstract (de)
Die Erfindung betrifft eine Drossel (1) mit zumindest einer Wicklung (2) mit jeweils zwei Anschlüssen (3, 4) und einem mit einem Luftspalt (6) versehenen Magnetkern (5), welcher Magnetkern (5) aus einer Vielzahl übereinander gestapelter Bleche (7) aufgebaut ist, und ein Verfahren zur Herstellung einer solchen Drossel (1). Erfindungsgemäß ist ein Spulenkörper (8) zur Aufnahme der zumindest einen Wicklung (2) vorgesehen, welcher Spulenkörper (8) aus zumindest zwei Teilen (9, 10) besteht, welche werkzeuglos miteinander verbindbar sind, und weiters eine Grundplatte (11) zur Aufnahme der Bleche (7) des Magnetkerns (5) vorgesehen, welche Grundplatte (11) mit dem Spulenkörper (8) werkzeuglos verbindbar ist.

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Citation (applicant)
• WO 2018033451 A1 20180222 - MANFRED SCHMELZER GMBH [DE]
• DE 202015102905 U1 20160906 - MANFRED SCHMELZER GMBH [DE]

Citation (search report)
• [YA] US 2003098769 A1 20030529 - CHEUNG LEUNG TIM [HK], et al
• [I] US 2014266527 A1 20140918 - VAFAKHAH BEHZAD [US], et al
• [Y] DE 112012002017 T5 20140206 - SUMITOMO ELECTRIC INDUSTRIES [JP]

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