

Title (en)

Multi gap inductor core, multi gap inductor, transformer and corresponding manufacturing method

Title (de)

Mehrfachspalt-Induktorkern, Transformator und zugehöriges Herstellungsverfahren

Title (fr)

Noyau d'inducteur à plusieurs espaces, inducteur à plusieurs espaces, transformateur et procédé de fabrication

Publication

EP 2528069 A1 20121128 (EN)

Application

EP 11167585 A 20110526

Priority

EP 11167585 A 20110526

Abstract (en)

The invention provides a multi gap inductor core, a multi gap inductor, transformer, and a corresponding manufacturing method and winding. The multi gap inductor core (1; 1'; 1"; 1'''), comprises a first plurality of magnetic lamination sheets (2a-2g; 2a'-2m'; 2a"-2n") made of magnetic core material arranged in a stack and a second plurality of fixing layers (3a-3f; 3a'-31'; 3a"-3l") made of a fixing material. Each fixing layer (3a-3f; 3a'-3l'; 3a"-3l'') is arranged between a corresponding pair of adjacent magnetic lamination sheets (2a-2g; 2a'-2m'; 2a"-2n") and includes mechanical spacer means (4; 4') which define a gap (G) having a predetermined thickness (d2) between a corresponding pair of adjacent magnetic lamination sheets (2a-2g; 2a'-2m'; 2a"-2n").

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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