

Title (en)

CORE FOR AN ELECTRIC SHUNT REACTOR

Title (de)

KERN FÜR EINE ELEKTRISCHE DROSSELSPULE

Title (fr)

NOYAU POUR UN RÉACTEUR SHUNT ÉLECTRIQUE

Publication

**EP 3349225 B1 20200708 (EN)**

Application

**EP 17151850 A 20170117**

Priority

EP 17151850 A 20170117

Abstract (en)

[origin: EP3349225A1] It is proposed a core (2) for an electric shunt reactor (30), the core (2) comprising: a first and a second yoke (4, 6); and a column assembly (10, 20) arranged along a respective longitudinal column axis (11, 21). The column assembly (10, 20) comprises an intermediate section (12, 22) and at least two distal column elements (14, 16; 24, 26). The column assemblies (10, 20) connect the first and second yoke (4, 6) in order to establish a magnetic path (8). A duct (18; 28) extends along the longitudinal column axis (11; 21) through the column assembly (10; 20) and through the first and second yokes (4, 6). The duct (18; 28) inters with the magnetic path (8). The distal column element (14; 16; 24; 26) has a lamination pattern differing from a lamination pattern of the intermediate section and differing from a lamination pattern of the neighboring yoke (4; 6) in order to mitigate the interference of the duct (18; 28).

IPC 8 full level

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CPC (source: EP)

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