

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
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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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