

Title (en)
TWO-PART, THREE-LEGGED CORE

Publication
EP 0126451 B1 19861112 (DE)

Application
EP 84105659 A 19840518

Priority
DE 3318370 A 19830520

Abstract (en)
[origin: US4594295A] A two-part cut sheet metal lamination element wherein one of the two sheet metal parts 1 comprises two outer legs 3 and a middle leg 4, the other sheet metal part 5 comprises a crosslink, the two outer legs of the first sheet metal part and the crosslink of the second sheet metal part are rigidly attached to each other, and the free end of the middle leg 4 interacts with the crosslink of the second sheet metal part by a short projection 10 which prevents movement of the free end of the middle leg with respect to the corresponding crosslink by an engagement produced when the two sheet metal parts are pressed together, said engagement and immobilization resulting from the punched or stamped configurations of the sheet metal parts. The projection is in the form of a small, narrow projection 10 which may be on the crosslink, and prior to the pressing together of the two sheet metal parts, the projection 10 and the cooperating region 9, 13 of the cooperating region on the middle leg pressed against the projection may or may not have matching configuration and dimensions, so that after the two sheet metal parts are pressed together the middle leg is held securely by means of a press fit or force fit between the projection and cooperating region. A core, e.g., of a transformer or inductor, comprised of such cut sheet metal lamination elements has greatly reduced (mechanical) hum, particularly at relatively high temperatures.

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H01F 27/24

IPC 8 full level
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