

Title (en)
IMPROVEMENTS IN FERRORESONANT CONSTANT-VOLTAGE TRANSFORMERS

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Application
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Priority
IT 1960086 A 19860228

Abstract (en)
[origin: WO8705412A1] A constant-voltage transformer is foreseen comprising two separate ring-shaped cores (10, 20) both made up of two facing "C" portions. One of them has opposed facing surfaces lapped in a mirror-like way that are drawn together in order to obtain a saturated magnetized field, whilst the other is provided with a gap and thus operates in a linear magnetic field. Both cores (10, 20) have a part (11, 21) adjacent to the corresponding part of the other core being the primary winding (P) wound around these two adjoining parts (11, 12), whilst the secondary winding (S) is wound around another part (22) of the saturated core (20), the length of the magnetic circuit of the two cores being substantially different. Particularly the extension of the saturated magnetic circuit is greater by 10 % than of the other core. It is moreover foreseen that the two cores are spiral-wound using a continuous strip of core sheet.

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