

Title (en)

Line output transformer for television receiver.

Title (de)

Zeilentransformator für einen Fernsehempfänger.

Title (fr)

Transformateur de balayage horizontal pour récepteur de télévision.

Publication

EP 0028383 A1 19810513 (DE)

Application

EP 80106561 A 19801025

Priority

DE 2944220 A 19791102

Abstract (en)

[origin: ES8201789A1] A line end stage for a television receiver which comprises a transformer, a first high voltage rectifier and a second high voltage rectifier. The transformer has a primary winding coupled to the line sweep coils of the receiver, and a secondary winding. The secondary winding has one end coupled through the first high voltage rectifier to ground and through the second high voltage rectifier to the anode of the television receiver picture tube. The transformer comprises a core having a longitudinal axis. The primary winding is mounted on the core coaxial with the longitudinal axis and an insulating winding form surrounds the primary winding. The winding form is provided with spaced longitudinally-distributed radially-extending chambers and the secondary winding is located within these chambers. The thicknesses of the winding form between the bottoms of the chambers and the primary winding are greatest at the ends of the winding form and become progressively smaller toward the center of the form.

Abstract (de)

Die Erfindung betrifft den Zeilentransformator zur Erzeugung der Hochspannung in einem Fernsehempfänger. Die Hochspannungswicklung (5) besteht aus einer einzigen Wicklung ohne Anzapfungen. Ein erster Gleichrichter (6) liegt zwischen dem einen Ende der Wicklung (5) und Erde und ein zweiter Gleichrichter (7) zwischen dem anderen Ende der Wicklung (5) und der Anode der Bildröhre (9). Dadurch ergeben sich für den Hochspannungstransformator ein einfacher Aufbau und eine geringe Streuinduktivität der Hochspannungswicklung (5).

IPC 1-7

H01F 19/00

IPC 8 full level

H04N 3/18 (2006.01); **H01F 19/00** (2006.01); **H01F 38/42** (2006.01)

CPC (source: EP US)

H01F 38/42 (2013.01 - EP US); **H01F 2005/022** (2013.01 - EP US)

Citation (search report)

- FR 2189961 A1 19740125 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- DE 2264451 A1 19731011 - MATSUSHITA ELECTRIC IND CO LTD

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CN104681243A; DE4204092A1; EP0848396A1; FR2756967A1; US5982263A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0028383 A1 19810513; **EP 0028383 B1 19840502**; AT E7342 T1 19840515; BR 8007094 A 19810505; DE 2944220 A1 19810507; DE 3067706 D1 19840607; ES 496479 A0 19811201; ES 8201789 A1 19811201; HK 6090 A 19900202; JP H0147950 B2 19891017; JP S5693485 A 19810729; US 4388568 A 19830614

DOCDB simple family (application)

EP 80106561 A 19801025; AT 80106561 T 19801025; BR 8007094 A 19801031; DE 2944220 A 19791102; DE 3067706 T 19801025; ES 496479 A 19801031; HK 6090 A 19900125; JP 15241780 A 19801031; US 20273080 A 19801031