

Title (en)
TRANSFORMER AND SWITCHED-MODE POWER SUPPLY APPARATUS

Title (de)
TRANSFORMATOR UND SCHALTNETZTEILVORRICHTUNG

Title (fr)
TRANSFORMATEUR ET APPAREIL D'ALIMENTATION EN PUISSANCE À MODE COMMUTÉ

Publication
EP 3267445 B1 20200603 (EN)

Application
EP 16178165 A 20160706

Priority
EP 16178165 A 20160706

Abstract (en)
[origin: EP3267445A1] A transformer being capable of reducing cross regulation even in a case where the load is unbalanced and a switched-mode power supply apparatus using the transformer are provided. A transformer T has a core 10; a primary winding 11 provided in the core 10; at least two secondary windings 12, 13 provided in the core 10 around a winding axis which is the same as a winding axis of the primary winding 11; and at least two auxiliary windings 14, 16 provided in the core 10 around a winding axis which is the same as the winding axis of the primary winding 11; respectively neighboring the secondary windings 12, 13; and connected in parallel to each other. A switched-mode power supply apparatus has the transformer T; a switching element connected to the primary winding 11 of the transformer T; and a control circuit configured to control the switching element.

IPC 8 full level
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CPC (source: EP)
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Citation (examination)

- JP 3543029 B2 20040714
- JP 2011134744 A 20110707 - TAKASAGO SEISAKUSHO KK
- JP H07283037 A 19951027 - MATSUSHITA ELECTRIC IND CO LTD
- JP 2000223324 A 20000811 - MATSUSHITA ELECTRIC IND CO LTD

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