

Title (en)

CIRCUIT FOR THE MULTIPLE USE OF A TRANSFORMER CORE

Title (de)

SCHALTUNGSANORDNUNG ZUR MEHRFACHAUSNUTZUNG EINES ÜBERTRAGERKERNES

Title (fr)

CIRCUIT DESTINE A L'UTILISATION MULTIPLE D'UN NOYAU DE TRANSFORMATEUR

Publication

EP 0792538 A1 19970903 (DE)

Application

EP 96919540 A 19960514

Priority

- DE 9600849 W 19960514
- DE 19534888 A 19950920

Abstract (en)

[origin: DE19534888A1] A circuit for the multiple use of a transformer core (2), on which a winding (4, 5) with a central tapping (6) is fitted on the primary side and two separate windings (11, 14) on the secondary side, has a controlled switch (S1, S2) in each lead to the two primary windings (4, 5) which is preferably clocked a high frequency. To the first secondary winding (11) is connected a rectifier (12), especially to form a switched-mode power supply (9), which is thus powered. To the second secondary winding (14) is connected an FET (15), especially to provide drive pulse transmission (10), preferably via two zener diodes (Z1, Z2) in anti-series, to which drive pulses are thus supplied. The magnetic circuit of the transformer (1) is driven with differing polarity via the switch (S1, S2) from the primary side (3). The switch-on duty factor of the switch is higher than 50 %.

IPC 1-7

H03K 17/691; **H02M 3/335**

IPC 8 full level

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