Title (en)

PULSE TRANSFORMER AND ITS USE AS ISOLATION TRANSFORMER

Publication

EP 0033441 B1 19840912 (DE)

Application

EP 81100159 A 19810112

Priority

CH 81480 A 19800201

Abstract (en)

[origin: US4342976A] The pulse transformer consists of a closed toroidal core (30), the primary winding (31) and secondary winding (32) of which are fashioned as multilayer, flexible printed circuit boards. These circuit boards have the shape of flat strips and are bent into loops. By means of pins (36-39 and 46-49, respectively), they are connected mechanically and partially electrically to a supporting printed circuit board (11). The pins connect the conductor tracks of the central layer of the flexible printed circuit boards with respectively one winding, whereas the upper and lower conductive layers shield the windings against electromagnetic interferences coming from the outside. The pulse transformer is suitable as an isolation transformer for the transmission of rapid digital signals arriving, for example, via a coaxial line (20).

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

US4689593A; GB2163908A; EP2388789A3; US5130662A; EP0153808A1; US7645941B2; US10141107B2; US9959967B2; WO9526174A1; WO0191143A3; US7656263B2; US7436282B2; US7602272B2; US7690110B2; US7271697B2; US6674355B2; US6796017B2; US7178220B2; US7477124B2; US7135952B2; US7277002B2; US6820321B2; US7696852B1

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