

Title (en)

High-frequency, high-leakage-reactance transformer.

Title (de)

Hochfrequenztransformator mit Reaktanz mit hohem Streufeld.

Title (fr)

Transformateur à haute fréquence avec réactance à champ de dispersion fort.

Publication

EP 0484074 A2 19920506 (EN)

Application

EP 91309923 A 19911028

Priority

US 60454990 A 19901029

Abstract (en)

A high-frequency, high-leakage-reactance transformer has a section of low-permeability magnetic material disposed between planar primary and secondary windings. The low-permeability section provides a controlled flux path for the leakage flux between the primary and secondary windings. Excessive eddy currents are thus prevented from flowing in the planar windings, and high-efficiency operation is achieved. The high-leakage-reactance transformer can function both as a transformer and an inductor, thereby reducing the size of, for example, a resonant power supply or a discharge lamp ballast. <IMAGE>

IPC 1-7

H01F 27/34; **H01F 27/38**

IPC 8 full level

H01F 38/08 (2006.01); **H01F 38/10** (2006.01)

CPC (source: EP)

H01F 38/10 (2013.01); **H01F 2027/348** (2013.01)

Cited by

EP1498914A1; EP0515958A1; FR2982068A1; EP1635619A3; FR2838912A1; CN107025985A; US7023313B2; US7760525B2; US7528693B2; US7872454B2; US8299763B2; US7849586B2; US8098123B2; US7489219B2; US7218197B2; US7307502B2; US7868725B2; US7882614B2; US7987580B2; US8028401B2

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