

Title (en)  
Network transformer.

Title (de)  
Leitungstransformator.

Title (fr)  
Transformateur de réseau.

Publication  
**EP 0371157 B1 19940302 (DE)**

Application  
**EP 88119827 A 19881128**

Priority  
EP 88119827 A 19881128

Abstract (en)  
[origin: EP0371157A1] A network transformer, in particular for coupling the antenna of a nuclear spin tomograph, consists according to the invention of two conductor track structures (10, 11) covering the same area, which are arranged on the opposite flat sides of a substrate (8) provided as dielectric. Each of these conductor track structures (10, 11) contains two patterns of concentric strip conductors (16 to 23) which are arranged mirror-symmetrically in relation to the axes of symmetry (A, B and A', B'). The axes of symmetry (A, B and A', B') extend in parallel to one another and lie opposite one another on the two flat sides. With this embodiment a 4-gate differential transformer without ferromagnetic material is obtained which, viewed both from gate 1 and from gate 2, behaves symmetrically in relation to gates 3 and 4. <IMAGE>

IPC 1-7  
**H01F 27/28**

IPC 8 full level  
**H01F 19/06** (2006.01); **H01F 19/00** (2006.01); **H01F 27/28** (2006.01)

CPC (source: EP US)  
**H01F 27/2804** (2013.01 - EP US); **H01F 2027/2809** (2013.01 - EP US)

Cited by  
EP0902443A3; EP1916677A1; FR2772973A1; US6606022B1; EP0418775A1; US6760202B1; WO9934379A1; WO0011687A1; WO0054292A1

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DE FR GB

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**EP 88119827 A 19881128**; DE 3888185 T 19881128; JP 30635789 A 19891124; US 44254189 A 19891128