

Title (en)  
HF ADAPTATION TRANSFORMER

Publication  
**EP 0097112 B1 19870318 (DE)**

Application  
**EP 83710019 A 19830411**

Priority  
CH 346682 A 19820604

Abstract (en)  
[origin: US4532483A] A radio-frequency matching transformer including a wave guide (W) having a fixed length. The waveguide is subdivided into sections (W1, W2) which have different characteristic impedances and the lengths of which are interdependently adjustable. A hollow cylinder is provided within the waveguide displaceable therein such that the operating frequency and the transformation ratio can be adjusted within wide ranges without a conversion of the transformer being required. This results in considerable advantages with respect to the known quarter-wave transformer.

IPC 1-7  
**H01P 5/04**

IPC 8 full level  
**H01P 5/02** (2006.01); **H01P 5/04** (2006.01)

CPC (source: EP US)  
**H01P 5/04** (2013.01 - EP US)

Citation (examination)  
H. Meinke, F. W. Gundlach "Taschenbuch der Hochfrequenztechnik", Springer Verlag, Berlin, 3 Auflage, 1968, Seiten 384-385

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
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**EP 83710019 A 19830411**; DE 3370411 T 19830411; JP 9703383 A 19830602; US 49583283 A 19830518