

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)
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EP 0097112 A1 19831228; EP 0097112 B1 19870318; DE 3370411 D1 19870423; JP H0158681 B2 19891213; JP S58220501 A 19831222; US 4532483 A 19850730

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EP 83710019 A 19830411; DE 3370411 T 19830411; JP 9703383 A 19830602; US 49583283 A 19830518