

Title (en)
TUNABLE MATCHING NETWORK

Title (de)
ABSTIMMBARES ANPASSUNGSNETZWERK

Title (fr)
RESEAU D'ADAPTATION ACCORDABLE

Publication
EP 0593500 B1 19960821 (DE)

Application
EP 92910707 A 19920523

Priority
• DE 4122290 A 19910705
• DE 9200420 W 19920523

Abstract (en)
[origin: US5430417A] PCT No. PCT/DE92/00420 Sec. 371 Date Jan. 4, 1994 Sec. 102(e) Date Jan. 4, 1994 PCT Filed May 23, 1992 PCT Pub. No. WO93/01627 PCT Pub. Date Jan. 21, 1993. A matching network is to be provided which can quickly and easily be tuned to a desired impedance. The matching network has a first and a second line which are interconnected at one end, while their other ends are coupled to a microwave line, and a third line which branches off from the interconnection of the other two lines. The first and/or second line and the third line are loaded with ferrite. The ferrite of the first and/or second line and that of the third line are exposed to separate magnetic fields which can be varied independently of each other.

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H01P 5/04

IPC 8 full level
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CPC (source: EP US)
H01P 5/04 (2013.01 - EP US)

Citation (examination)
IRE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. Bd. 7, Nr. 2, April 1959, NEW YORK US Seiten 296-297, C.E. MUEHE:
'Quarter-wave compensation of resonant discontinuities' siehe Seite 296, mittlere Spalte, Zeile 21 - Zeile 30 siehe Seite 297, linke Spalte, Zeile 1 - Zeile 4; Abbildung 1

Designated contracting state (EPC)
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US 5430417 A 19950704; CA 2112819 A1 19930121; DE 4122290 C1 19921119; EP 0593500 A1 19940427; EP 0593500 B1 19960821;
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