

Title (en)
Microwave coaxial impedance adapter

Title (de)
Koaxialer Wellenwiderstandstransformator

Title (fr)
Adaptateur coaxial d'impedances

Publication
EP 1801910 A1 20070627 (DE)

Application
EP 06023354 A 20061109

Priority
DE 102005061671 A 20051222

Abstract (en)
Coaxial wave resistance transformer for dividing up high frequency power uses (/4 leads (L1 to L4) which are arranged between the first connection (K1) and the second connections (K2 to K4) concentrically surrounding one another at least in part. The leads can be arranged so that each open end of one lead forms the start of the following lead. The leads can be arranged concentric such that the electromagnet wave increases inversely from lead to lead. At least one lead can be folded so that part of its length surrounds the remaining part of its length.

IPC 8 full level
H01P 5/12 (2006.01)

CPC (source: EP US)
H01P 5/12 (2013.01 - EP US)

Citation (applicant)
US 5410281 A 19950425 - BLUM RICHARD J [US]

Citation (search report)
• [Y] US 5410281 A 19950425 - BLUM RICHARD J [US]
• [Y] US 3087129 A 19630423 - MAURY MARIO A, et al
• [A] JP S6172401 A 19860414 - NEC CORP
• [A] US 3019399 A 19620130 - LANCIANI DANIEL A, et al
• [A] IGINIO LONGO ET AL: "A Coaxial Antenna With Miniaturized Choke for Minimally Invasive Interstitial Heating", IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 50, no. 1, January 2003 (2003-01-01), XP011070474, ISSN: 0018-9294

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
DE 102005061671 B3 20070405; CN 1988250 A 20070627; CN 1988250 B 20101110; EP 1801910 A1 20070627; EP 1801910 B1 20120627; US 2007164836 A1 20070719; US 7535317 B2 20090519

DOCDB simple family (application)
DE 102005061671 A 20051222; CN 200610169915 A 20061222; EP 06023354 A 20061109; US 61552406 A 20061222