

Title (en)

RF output fitted transition for microwave frequency electronic power tube

Title (de)

Angepasster Übergang eines RF-Ausgangs für leistungsfähige elektronische Hyperfrequenzröhre

Title (fr)

Transition adaptée de sortie RF pour tube électronique hyperfréquences de puissance

Publication

EP 2202774 B1 20130605 (FR)

Application

EP 09178423 A 20091208

Priority

FR 0807393 A 20081223

Abstract (en)

[origin: EP2202774A1] The transition has a tubular body (78) whose end (90) in a shape of a cylindrical tube including a conical internal propagation surface (130) and another end (80) in a shape of a rectangular tube including a large side (84), another large side, a small side (86) and another small side. A passage (79) has a set of flat internal propagation surfaces parallel to the large sides and another set of flat internal propagation surfaces parallel to the small sides. The former set is connected to the conical surface by respective curved connection surfaces (132, 133) with bidirectional curvature radii.

IPC 8 full level

H01J 23/12 (2006.01); **H01J 23/36** (2006.01)

CPC (source: EP US)

H01J 23/12 (2013.01 - EP US); **H01J 23/36** (2013.01 - EP US)

Citation (examination)

- US 2830273 A 19580408 - NORTH WHITEHEAD ERIC ARTHUR, et al
- GB 2280541 A 19950201 - LITTON SYSTEMS INC [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2202774 A1 20100630; **EP 2202774 B1 20130605**; FR 2940519 A1 20100625; JP 2010157504 A 20100715; JP 5830816 B2 20151209; US 2010295636 A1 20101125; US 8344626 B2 20130101

DOCDB simple family (application)

EP 09178423 A 20091208; FR 0807393 A 20081223; JP 2009291037 A 20091222; US 63959509 A 20091216