

Title (en)
RADIO FREQUENCY DIRECTIONAL COUPLER AND FILTER

Title (de)
RADIOFREQUENZ-RICHTKOPPLER UND FILTER

Title (fr)
COUPLEUR ET FILTRE DIRECTIONNELS À RADIOFRÉQUENCE

Publication
EP 3281246 A4 20181226 (EN)

Application
EP 16777292 A 20160407

Priority
• US 201562144019 P 20150407
• US 2016026478 W 20160407

Abstract (en)
[origin: WO2016164603A1] A coaxial cavity resonator assembly comprising an outer conductor and an inner conductor. The outer conductor including an outer conductor proximal end, an outer conductor distal end, and an outer conductor electrical length that is defined between the outer conductor proximal end and the outer conductor distal end. The center conductor including a center conductor proximal end, a center conductor distal end, and a center conductor electrical length that is defined between the center conductor proximal end and the center conductor distal end. The center conductor proximal end is substantially coplanar with the outer conductor proximal end, the center conductor distal end is substantially coplanar with the outer conductor distal end, and the center conductor electrical length is longer than the outer conductor electrical length by an integer multiple of one-half of one wavelength.

IPC 8 full level
H01P 1/16 (2006.01); **H01P 1/202** (2006.01); **H01P 3/06** (2006.01); **H01P 7/04** (2006.01)

CPC (source: EP)
H01P 1/202 (2013.01); **H01P 7/04** (2013.01)

Citation (search report)
• [XAY] US 4004257 A 19770118 - GEISSLER ROBERT G
• [XY] US 3872412 A 19750318 - SEIDEL HAROLD
• [XY] US 2010277260 A1 20101104 - HAUNBERGER THOMAS [DE], et al
• [A] US 5691675 A 19971125 - HATANAKA HIROSHI [JP]
• See references of WO 2016164603A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016164603 A1 20161013; EP 3281246 A1 20180214; EP 3281246 A4 20181226

DOCDB simple family (application)
US 2016026478 W 20160407; EP 16777292 A 20160407