

Title (en)

Device for fixing a feeding element in a metallic waveguide of an antenna and for electrically connecting the element to a coaxial line outside the waveguide

Title (de)

Vorrichtung zur Befestigung eines Erregerelements in einem metallischen Hohlleiter einer Antenne und zum elektrischen Anschluss desselben an eine ausserhalb des Hohlleiters angeordnete Koaxialleitung

Title (fr)

Dispositif pour fixation d'un élément d'excitation dans un guide d'ondes métallique d'une antenne et pour le raccordement électrique de cet élément à une ligne coaxiale placée sur l'extérieur du guide d'ondes

Publication

EP 0883205 A3 19990811 (DE)

Application

EP 98109139 A 19980520

Priority

DE 19723880 A 19970606

Abstract (en)

[origin: EP0883205A2] The arrangement has a metal base body (6) which closes a first opening in the hollow conductor (3) and has a first through hole. The inner conductor of the coaxial cable is fed through a hollow metal cylinder (9) with a first section inserted into the first through hole. An end section (10) of the outer conductor of the coaxial cable (4) is turned over a second section. A metal sleeve (11) is crimped over the second section of the hollow cylinder and the end section of the outer conductor. One end (2.1) of the stimulation element (2) is attached to an uninsulated end (12) of the internal conductor extending into the interior of the hollow conductor.

IPC 1-7

H01Q 1/12

IPC 8 full level

H01P 5/103 (2006.01); **H01Q 9/30** (2006.01); **H01Q 13/24** (2006.01); **H01Q 13/28** (2006.01)

CPC (source: EP US)

H01P 5/103 (2013.01 - EP US); **H01Q 13/24** (2013.01 - EP US); **H01Q 13/28** (2013.01 - EP US)

Citation (search report)

- [A] DE 9312251 U1 19931209 - VEGA GRIESHABER GMBH & CO [DE]
- [A] US 4197546 A 19800408 - CACHIER GERARD [FR], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 9 (E - 1021) 9 January 1991 (1991-01-09)

Cited by

DE19944103A1; CN111537042A; US6614391B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0883205 A2 19981209; **EP 0883205 A3 19990811**; **EP 0883205 B1 20040630**; CA 2239403 A1 19981206; CA 2239403 C 20010227; DE 19723880 A1 19981210; DE 59811619 D1 20040805; JP 3054122 B2 20000619; JP H1117414 A 19990122; US 6088001 A 20000711

DOCDB simple family (application)

EP 98109139 A 19980520; CA 2239403 A 19980602; DE 19723880 A 19970606; DE 59811619 T 19980520; JP 15449898 A 19980603; US 8968998 A 19980603