

Title (en)  
CONNECTOR ASSEMBLY

Title (de)  
VERBINDERBAUGRUPPE

Title (fr)  
ENSEMBLE CONNECTEUR

Publication  
**EP 3425728 A1 20190109 (EN)**

Application  
**EP 17180314 A 20170707**

Priority  
EP 17180314 A 20170707

Abstract (en)  
The invention concerns a connector assembly (1) for connecting an antenna element (2) to an antenna signal transmission line (3). The connector assembly (1) comprises an adaptor (4) comprising an antenna element attachment portion (5), a signal attachment portion (6), a ground attachment portion (8) and an impedance matching part (10). The connector assembly (1) further comprising a shielding metal cage physically connected to the adaptor (4), wherein the adaptor (4) and the metal cage (12) form an integral part and the impedance matching part (10) comprises a slit (14) in a portion of the integral part with the signal attachment portion (6) positioned on one side (15) of the slit (14) and the ground attachment portion (8) positioned on another side (16) of the slit (14). The invention also concerns an antenna assembly and a machine or device comprising such an antenna assembly.

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 1/52** (2006.01); **H01Q 11/08** (2006.01)

CPC (source: EP)  
**H01Q 1/24** (2013.01); **H01Q 1/526** (2013.01); **H01Q 11/08** (2013.01)

Citation (search report)  
• [A] US 6633262 B1 20031014 - SHOJI HIDEAKI [JP], et al  
• [A] US 2011170231 A1 20110714 - CHANDRASEKARAN ARVIND [US], et al  
• [A] US 6636725 B1 20031021 - YOSHIMOTO HIROMASA [JP]  
• [A] US 2004252064 A1 20041216 - YUANZHU DOU [JP]

Cited by  
IT201900006665A1; WO2020225741A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3425728 A1 20190109; EP 3425728 B1 20200401**

DOCDB simple family (application)  
**EP 17180314 A 20170707**