

Title (en)  
Radiocommunication antenna equipped with a radome and method of assembling said radiocommunication antenna equipped with a radome

Title (de)  
Richtfunkantenne mit Schutzhaube und Verfahren zu ihrem Zusammenbau

Title (fr)  
Antenne de radiocommunication munie d'un radôme et procédé d'assemblage d'une telle antenne de radiocommunication munie d'un radôme

Publication  
**EP 1796209 A1 20070613 (FR)**

Application  
**EP 06124765 A 20061124**

Priority  
FR 0553744 A 20051206

Abstract (en)  
The antenna (20) has a reflector (22) arranged at an opening of a cylindrical lateral screen (27), and a radome (28) formed by flexible material covering another opening of the screen so as to have a protective surface opposite to the reflector. The protective surface is curved by the mechanical action of deforming elements of the antenna, where the protective surface is curved symmetrically with respect to a symmetric axis of the antenna. An independent claim is also included for a method of assembling a radio communication antenna.

IPC 8 full level  
**H01Q 1/42** (2006.01); **H01Q 19/12** (2006.01)

CPC (source: EP US)  
**H01Q 1/421** (2013.01 - EP US); **H01Q 1/427** (2013.01 - EP US)

Citation (search report)

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- [A] WO 0115268 A1 20010301 - ROHLFING ANNICK [DE], et al
- [A] EP 1134838 A1 20010919 - LUCENT TECHNOLOGIES INC [US]
- [A] US 4918459 A 19900417 - DE TESO JOHN S [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 175 (E - 413) 20 June 1986 (1986-06-20)

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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)  
**EP 1796209 A1 20070613; EP 1796209 B1 20120425**; AT E555517 T1 20120515; CN 1979954 A 20070613; CN 1979954 B 20100929; FR 2894391 A1 20070608; FR 2894391 B1 20080104; US 2007182659 A1 20070809; US 7656363 B2 20100202

DOCDB simple family (application)  
**EP 06124765 A 20061124**; AT 06124765 T 20061124; CN 200610171825 A 20061206; FR 0553744 A 20051206; US 56695106 A 20061205