

Title (en)  
REFLECTOR ANTENNA

Title (de)  
REFLEKTORANTENNE

Title (fr)  
ANTENNE A REFLECTEUR

Publication  
**EP 1365473 A4 20041215 (EN)**

Application  
**EP 02701640 A 20020228**

Priority  

- JP 0201863 W 20020228
- JP 2001058811 A 20010302
- JP 0106236 W 20010718

Abstract (en)  
[origin: WO02071538A1] A reflector antenna which can be installed in a limited space, has sufficient practicability and performs scanning while turning about two orthogonal axes, and which comprises a Cassegrain reflector and a rotary mechanism for turning it about the azimuth axis and the elevation axis. The reflector having a substantially rectangular aperture is subjected to figuring such that its elevation axis passes through substantially the center of the height dimension of the reflector, supplied electromagnetic wave is received and reflected substantially entirely, and the antenna height does not increase even when the reflector turns about the elevation axis. The reflector may be an array of a plurality of reflector elements.

IPC 1-7  
**H01Q 3/20**; **H01Q 3/08**; **H01Q 19/19**; **H01Q 1/28**

IPC 8 full level  
**H01Q 3/08** (2006.01); **H01Q 3/20** (2006.01); **H01Q 19/19** (2006.01)

CPC (source: EP)  
**H01Q 3/08** (2013.01); **H01Q 3/20** (2013.01); **H01Q 19/19** (2013.01); **H01Q 19/193** (2013.01)

Citation (search report)  

- [A] US 2694147 A 19541109 - FELDMAN CARL B H
- [A] US 5952980 A 19990914 - BOLING KENNETH A [US]
- [PX] US 6285338 B1 20010904 - BAI MONTY W [US], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 14 22 December 1999 (1999-12-22)
- See references of WO 02071540A1

Designated contracting state (EPC)  
AT BE CH CY DE FR GB IT LI

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**JP 0106236 W 20010718**; EP 02701640 A 20020228