

Title (en)
REFLECTOR ANTENNA

Title (de)
REFLEKTORANTENNE

Title (fr)
ANTENNE A REFLECTEUR

Publication
EP 1365473 B1 20050706 (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)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 02071538 A1 20020912; EP 1365473 A1 20031126; EP 1365473 A4 20041215; EP 1365473 B1 20050706

DOCDB simple family (application)
JP 0106236 W 20010718; EP 02701640 A 20020228