

Title (en)

Frequency variable aperture reflector

Title (de)

Frequenzvariable Reflektorapertur

Title (fr)

Ouverture de réflecteur à fréquence variable

Publication

**EP 1137102 A3 20040107 (EN)**

Application

**EP 01106761 A 20010317**

Priority

US 52860500 A 20000320

Abstract (en)

[origin: EP1137102A2] A frequency variable aperture reflector (18) for working in a first and second frequency band, wherein the first frequency band is higher than the second frequency, includes a radiating element having an active surface (20) and a frequency selective surface (22). The active surface (20) is a contiguous surface capable of reflecting both the first and second frequency bands. The frequency selective surface (22) surrounds the active surface (20) and only reflects the second frequency band (Fig. 2). <IMAGE>

IPC 1-7

**H01Q 15/00**; **H01Q 19/195**

IPC 8 full level

**H01Q 15/00** (2006.01); **H01Q 19/195** (2006.01)

CPC (source: EP)

**H01Q 15/0013** (2013.01); **H01Q 19/195** (2013.01)

Citation (search report)

- [X] US 4096483 A 19780620 - BUI HAI NHU, et al
- [XY] US 3514781 A 19700526 - FERRIS JOSEPH E, et al
- [X] US 4851858 A 19890725 - FRISCH EBERHARD [DE]
- [Y] US 4814785 A 19890321 - WU TE-KAO [US]
- [A] US 5977926 A 19991102 - GILGER L DWIGHT [US]

Cited by

CN108281795A; EP2421095A1; US7034771B2; US7868840B2; WO2018109837A1; US8325495B2; US8947892B1; US9204582B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1137102 A2 20010926**; **EP 1137102 A3 20040107**

DOCDB simple family (application)

**EP 01106761 A 20010317**