

Title (en)

Satellite antenna with photovoltaic elements for power supply

Title (de)

Satellitenantenne mit Photovoltaik-Elementen zur Stromversorgung

Title (fr)

Antenne satellite avec des éléments photovoltaïques pour l'alimentation électrique

Publication

EP 1519439 B1 20070214 (DE)

Application

EP 04020217 A 20040826

Priority

DE 20314930 U 20030926

Abstract (en)

[origin: US2005068238A1] A satellite antenna station composed of: a dish for concentrating received electromagnetic energy; photovoltaic elements for supplying electric power to the station; and a positioning device controlled by a control unit. The positioning device is adjustable at least into a first position for optimizing reception of a signal from a satellite and into a second position for optimizing exposure of the photovoltaic elements to solar radiation.

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/32** (2006.01); **H01Q 1/44** (2006.01); **H01Q 3/08** (2006.01); **H01Q 19/13** (2006.01)

CPC (source: EP US)

H01Q 1/125 (2013.01 - EP US); **H01Q 1/44** (2013.01 - EP US); **H01Q 3/08** (2013.01 - EP US); **H01Q 19/13** (2013.01 - EP US)

Citation (examination)

- US 4974129 A 19901127 - GRIEB DALE C [US], et al
- JP H11342731 A 19991214 - MITSUBISHI HEAVY IND LTD
- US 6549793 B1 20030415 - BARATONO RONALD D [US]
- US 2003169200 A1 20030911 - URBAN MAREK W [US], et al
- SIEMENS: "Crystop autosat 2 S", 1996, SATELLITE, DE

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DE102007024231A1; CN106129623A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2005068238 A1 20050331; **US 7102579 B2 20060905**; AT E354183 T1 20070315; AU 2004210546 A1 20050414; AU 2004210546 B2 20080508; DE 20314930 U1 20031211; DE 502004002889 D1 20070329; DK 1519439 T3 20070402; EP 1519439 A1 20050330; EP 1519439 B1 20070214; ES 2282770 T3 20071016; PL 1519439 T3 20070731; PT 1519439 E 20070330; SI 1519439 T1 20070831

DOCDB simple family (application)

US 94866504 A 20040924; AT 04020217 T 20040826; AU 2004210546 A 20040909; DE 20314930 U 20030926; DE 502004002889 T 20040826; DK 04020217 T 20040826; EP 04020217 A 20040826; ES 04020217 T 20040826; PL 04020217 T 20040826; PT 04020217 T 20040826; SI 200430277 T 20040826