

Title (en)

High integrable flat antenna for satellite video receiving

Title (de)

Hoch integrierbare Flachantenne für den Empfang von Satellitenfernsehen

Title (fr)

Antenne plate hautement intégrable pour réception de vidéo satellite

Publication

EP 1956677 A1 20080813 (EN)

Application

EP 07002756 A 20070208

Priority

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Abstract (en)

A new receiving antenna for satellite video broadcasting is proposed according to the present invention, wherein the reflector and the receiving apparatus are not connected to each other and the reflector can lie in a vertical plane whose azimuth can be different from that of the satellite direction. These characteristics make the receiving antenna more integrable in the surrounding building structure, reducing in this way the environmental impact of the antenna. Furthermore, the separation of the reflector from the receiving apparatus simplifies the architectural integration with the external wall of the building. The reflector is an off-set section of a parabolic surface with a large focal distance and thus a low curvature, so that the reflector is almost flat. This is possible due to the separation between reflector and the receiving apparatus. Moreover, a vertical sundial can be printed on the reflector in order to render the receiving antenna not visible for the observer.

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/44** (2006.01); **H01Q 15/14** (2006.01); **H01Q 19/13** (2006.01)

CPC (source: EP)

H01Q 1/125 (2013.01); **H01Q 1/44** (2013.01); **H01Q 15/142** (2013.01); **H01Q 19/132** (2013.01)

Citation (applicant)

- WO 0035049 A1 20000615 - KWON T I [KR], et al
- US 6208316 B1 20010327 - CAHILL ROBERT [GB]
- US 3169311 A 19650216 - SMALL BERNARD I, et al
- GB 2246242 A 19920122 - BRASSINGTON MICHAEL, et al

Citation (search report)

- [XY] WO 0035049 A1 20000615 - KWON T I [KR], et al
- [XY] JP H0936635 A 19970207 - TOPPAN PRINTING CO LTD
- [XY] DE 19819091 C1 19990218 - CHRISTIAN SCHWAIGER GMBH & CO [DE]
- [XY] GB 2246242 A 19920122 - BRASSINGTON MICHAEL, et al
- [X] DE 8990076 U1 19901025
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- [A] GB 2211609 A 19890705 - ARGOSY ELECTRONICS LIMITED [GB]

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