

Title (en)

Antenna with low visual impact

Title (de)

Antenne mit geringem visuellen Eindruck

Title (fr)

Antenne à effet visuel faible

Publication

**EP 1054470 B1 20061115 (EN)**

Application

**EP 99113907 A 19990716**

Priority

IT PR990047 A 19990521

Abstract (en)

[origin: EP1054470A2] The present invention relates to a directional multi-channel antenna of the type comprising a substantially flat reflecting screen (1) and a plurality of dipoles or radiators (2) held up at a certain distance on the reflecting side of the screen (1) and a shell or radome (3) made of a material essentially transparent to the radiation RF transmitted and received by the antenna, containing said reflecting screen, said dipoles or radiators and at least one feeding connector of the antenna. According to the invention said radome (3) is made of an optically transparent material and said screen is, at least for a major part (1a, 1b) set up by a conductor net arc-welded at the crossings. According to an alternative embodiment said conductor net is set up by a first plurality of wires arranged on a first plane and a second plurality of wires arranged on a second plane put at a distance of a predetermined entity from said first plane. <IMAGE>

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

WO 9741622 A1 19971106 - RADIO DESIGN INNOVATION AB [SE], et al

Cited by

US7692125B1; CN113193339A; CN107102783A; JP2020178276A; EP2833474A1; CN102955955A; EP2887454A1; WO2013147686A1; WO2021213137A1; WO2015014834A1; US8570233B2; US9099783B2; JP2014131232A

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