Title (en)

Compact antenna structure for satellite telecommunication

Title (de)

Kompaktantennenstruktur für Telekommunikationen über Satelliten

Title (fr)

Structure antennaire compacte pour télécommunications par satellites

Publication

EP 2889955 A1 20150701 (FR)

Application

EP 14200359 A 20141226

Priority

FR 1303086 A 20131226

Abstract (en)

[origin: US2015188231A1] An antenna structure for telecommunications is provided. The antenna structure may be particularly for satellite telecommunications. The antenna structure includes an emitting surface including at least one set of a plurality of elementary emitting antennas forming an array, at least one elementary emitting antenna including two generally circular patches that are at least partially superimposed, the at least one elementary emitting antenna being dimensioned to emit at least one electromagnetic wave having a frequency between 27 gigahertz and 31 GHz.

Abstract (fr)

L'invention concerne une structure antennaire (10) pour télécommunications, notamment par satellite, comportant une surface d'émission (11Tx) comprenant au moins un ensemble d'une pluralité d'antennes élémentaires d'émission (12Tx) formant un réseau, au moins une antenne élémentaire d'émission (12Tx) comportant deux patchs de forme générale circulaire au moins partiellement superposés, ladite au moins une antenne élémentaire d'émission (12Tx) étant dimensionnée pour émettre au moins une onde électromagnétique présentant une fréquence comprise entre 27 gigahertz et 31 GHz.

IPC 8 full level

H01Q 1/28 (2006.01); **H01Q 5/378** (2015.01); **H01Q 9/04** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP IL US)

H01Q 1/288 (2013.01 - EP IL US); **H01Q 5/378** (2015.01 - EP IL US); **H01Q 9/0407** (2013.01 - IL US); **H01Q 9/0414** (2013.01 - EP IL US); **H01Q 9/0435** (2013.01 - EP IL US); **H01Q 21/065** (2013.01 - EP IL US); **H01Q 21/30** (2013.01 - IL US)

Citation (search report)

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- [Y] SMITH D ET AL: "Dual Polarised Microstrip Antenna Design for a Polarisation Shift Keying Microwave Transponder", MICROWAVE CONFERENCE, 1989. 19TH EUROPEAN, IEEE, PISCATAWAY, NJ, USA, 4 September 1989 (1989-09-04), pages 149 - 154, XP031603282
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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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