

Title (en)

Multi-beam antenna system for multi-spot coverage and satellite comprising such a system

Title (de)

Multistrahlen-Antennensystem zur Multispot-Abdeckung und mit diesem System ausgestatteter Satellit

Title (fr)

Système antenne multi-faisceaux pour couverture multispots et satellite comprenant un tel système

Publication

EP 2120281 B1 20110511 (FR)

Application

EP 09160505 A 20090518

Priority

FR 0853190 A 20080516

Abstract (en)

[origin: EP2120281A1] The system has an antenna including a control unit coupled with a power supply unit such that sub-sets of radiating elements in a radiating element array of the antenna are successively powered to form beams illuminating one of sub-spots (A1-A3) in each of spots of a coverage obtained according to an initial reutilization scheme. The obtained coverage is equivalent to a reutilization scheme of reutilization factor equal to a product of an initial reutilization factor and number of sub-spots in each spot.

IPC 8 full level

H01P 1/28 (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP)

H01Q 1/288 (2013.01); **H01Q 25/007** (2013.01)

Cited by

EP2429036A1; FR2964800A1; US9153877B2; US8780000B2; US10270524B2; WO2013095942A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2120281 A1 20091118; **EP 2120281 B1 20110511**; **EP 2120281 B9 20110921**; AT E509390 T1 20110515; FR 2931302 A1 20091120; FR 2931302 B1 20100730

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