

Title (en)

Telecommunications antenna for covering a large terrestrial zone

Title (de)

Telekommunikationsantenne mit grossem Erdbabdeckungsbereich

Title (fr)

Antenne de télécommunication destinée à couvrir une large zone terrestre

Publication

EP 1170823 B1 20060906 (FR)

Application

EP 01401597 A 20010618

Priority

FR 0008794 A 20000706

Abstract (en)

[origin: US2002005800A1] The invention relates to a receive (or send) antenna for a geosynchronous satellite of a telecommunications system intended to cover a territory divided into areas, the beam intended for each area being defined by a plurality of radiating elements, or sources, disposed in the vicinity of the focal plane of a reflector. The antenna includes at least one first matrix each input of which is connected to a radiating element and each output (or input) of which is connected to a corresponding input of an inverse Butler matrix by an amplifier and a phase-shifter. The phase-shifters move the areas or correct pointing errors.

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP1972030A4; FR3053166A1; EP2429036A1; FR2964800A1; EP3758146A1; FR3098024A1; US8354956B2; US8780000B2; US11670840B2

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