

Title (en)
RECEIVING ANTENNA FOR MULTIBEAM COVERAGE

Title (de)
EMPFANGSANTENNE ZUR MEHRFACHSTRAHLABDECKUNG

Title (fr)
ANTENNE DE RECEPTION POUR COUVERTURE MULTI-FAISCEAUX

Publication
EP 1472760 A1 20041103 (FR)

Application
EP 03712252 A 20030117

Priority
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• FR 0201140 A 20020131

Abstract (en)
[origin: FR2835356A1] The invention relates to a receiving antenna for satellite telecommunications. More specifically, the invention relates to an active antenna comprising a network of elementary sources which is positioned at the focal point of a focusing reflector. According to the invention, said network of sources is disposed on a more or less spherical, concave surface S. The aforementioned arrangement can be used to: (i) improve the efficiency of the optics and (ii) enable the use of polarisation duplexers behind surface S in order to increase the spectral efficiency of the antenna.

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See references of WO 03065507A1

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