

A B S T R A C T

A TERMINAL AND ANTENNA SYSTEM FOR CONSTELLATION OF NON-GEOSTATIONARY SATELLITES

5

A terminal and antenna system (1, 10) for transmitting and receiving radio signals to and from satellites (2, 3) chosen from a constellation of non-geostationary satellites, including means for determining the position of the satellites visible from the terminal and antenna system, means for focusing quasi-plane waves received from or transmitted to a chosen visible satellite towards a focal surface S, primary sources (23, 24) for transmitting and receiving signals in the form of quasi-spherical wave beams, mobile independently over the sphere S in a manner that is slaved to the particular position of the non-geostationary satellites.

20

25

30

35

Translation of the title and the abstract as they were when originally filed by the Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.