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(54) Title (EN): DUAL-ANTENNA SYSTEM FOR SINGLE-FREQUENCY BAND

(54) Title (FR): SYSTEME D'ANTENNE DOUBLE POUR BANDE MONOFREQUENCE

(57) Abstract:

(EN): A combination satellite and terrestrial antenna system for a single-source application. A first embodiment includes a cross dipole for receiving the circularly polarized satellite signals, and a plurality of monopoles for receiving linearly polarized terrestrial signals. The mono-poles are arranged symmetrically about the cross dipole. Alternative embodiments include a helix antenna for receiving the satellite signals, and one or more linear antennas arranged symmetrically with respect to the helix for the terrestrial signals.

(FR): L'invention porte sur un système combiné d'antennes satellite et terrestre destiné à une application source. Une première réalisation comprend deux dipôles en croix destinés à recevoir les signaux satellite polarisés de manière circulaire, et une pluralité d'unipoles destinés à recevoir des signaux terrestres polarisés de manière linéaire. Les unipoles sont disposés symétriquement autour des dipôles en croix. D'autres réalisations comprennent une antenne hélicoïdale destinée à recevoir les signaux satellites, et une ou plusieurs antennes linéaires disposées symétriquement par rapport à l'hélice pour les signaux terrestres.

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