Title (en)
FREQUENCY CONVERTER ARRANGEMENT FOR PARABOLIC ANTENNAE

Title (de)
FREQUENZKONVERTERANORDNUNG FÜR EINE PARABOLANTENNE

Title (fr)
AGENCEMENT DE CONVERTISSEUR DE FREQUENCES POUR ANTENNES PARABOLIQUES

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Abstract (en)
[origin: US6344832B1] The invention concerns a frequency converter arrangement for parabolic antennae receiving vertical and horizontal linear polarization signals, transmitted by two geostationary satellites not far from each other. The arrangement comprises two positive converter devices (5, 6) designed to receive the signal derived from a satellite, each device bearing means ensuring that the receiving antennae elements are oriented in the received signal plane and means to adapt to the different elevations of the two satellites, by rotating the converter device support. The arrangement is characterized in that the output portions (10) of the two converter devices (5, 6) are made in the form of a single-piece part (12) whereas the input portions (9) are separated and mounted selectively adjustable on the single-piece part (12), the arrangement being mounted rotating about an axis parallel to the two input portions (9).

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