

Interferometric Polarization Control

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DESCRIPTION

This technology is a radio telescope. A receiver with a polarizing interferometer function comprises several cascaded variable-delay polarization modulators each of which include a translation apparatus, and arms optically coupled to one another through a beam splitter. The arms are formed of opposed reflective elements each of which include a mirror coupled to the translation apparatus such that the distance separating the beam splitter from one of the opposed reflective elements is variable.

FEATURES AND BENEFITS

- Polarization control and modulation of the incoming signal is performed efficiently.

APPLICATIONS

- Telescope
- Communications
- Satellites

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-15027-2, please contact:

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