

RADIO ANTENNA WITH IMPROVED FEED SYSTEM

Tech ID: 17507 / UC Case 2005-071-0

ABSTRACT

Log-periodic antennas are capable of transmitting and receiving signals across a large bandwidth. However, their bandwidth range can be too large for the entire signal to be simultaneously digitized.

To address this issue, researchers at UC Berkeley have developed an innovative feed for broadband antennas. This feed converts the broadband radio signals such that they can be more readily digitized and processed.

APPLICATIONS

- Radio communication especially spectrophotometry and polarimetry
- Commercial satellite dish technology

ADVANTAGES

- Low cost, efficient design
- Improved feed bandwidth resulting in superior antenna performance

PATENT STATUS

| Country | Type | Number | Dated | Case |
|--------------------------|---------------|-----------|------------|----------|
| United States Of America | Issued Patent | 7,609,220 | 10/27/2009 | 2005-071 |

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OTHER INFORMATION

CATEGORIZED AS

- » **Communications**
- » Other
- » **Imaging**
- » Other
- » **Research Tools**
- » Other
- » Vectors

RELATED CASES

2005-071-0

RELATED TECHNOLOGIES

- Radio Antenna With Improved Support System