

# Optical Borehole Seismometers

Tech ID: 21471 / UC Case 2011-200-0

## TECHNOLOGY DESCRIPTION

Developed here are a set of technologies to enable all-optical seismometers for use in boreholes and other harsh environments where expensive electronics cannot be put at risk. Employing the approaches developed here, seismometers collect and route all data optically to a safe location where it can then be processed electronically.

## PATENT STATUS

| Country                  | Type          | Number    | Dated      | Case     |
|--------------------------|---------------|-----------|------------|----------|
| United States Of America | Issued Patent | 9,250,118 | 02/02/2016 | 2011-200 |

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## OTHER INFORMATION

### CATEGORIZED AS

- **Environment**
  - Sensing
- **Sensors & Instrumentation**
  - Environmental Sensors
  - Physical Measurement
- **Engineering**
  - Other

### RELATED CASES

2011-200-0, 2011-224-0