

Apparatus and Method for a Light Direction Sensor

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DESCRIPTION

This technology is a light direction sensor for determining direction of the moon. The sensor has a spacer attached to an image, and a pattern mask i.e. perforated metal foil, including a set of slits and attached to the spacer, where the pattern mask includes a slit pattern. The slit pattern comprises an arrangement of slits to form a Cartesian grid, where the Cartesian grid intentionally dims the light from the slits by alternatively skipping placement of slits in the Cartesian grid. The slits are arranged such that the pattern produces an electronic area array image sensor.

FEATURES AND BENEFITS

- The sensor achieves cost savings, as the sensor is simple, robust, compact and inexpensive.
- The sensor easily calculates achievable angular resolution of the light direction sensor with absolute optical encoders.

APPLICATIONS

- Determining Direction of a Light Source

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-15001-1, please contact:

Enidia Santiago- Arce
Technology Manager
NASA Goddard Space Flight Center
Innovative Partnerships Program Office
enidia.santiago-arce-1@nasa.gov
(301) 286-8497