Title (en)
HYPERSPECTRAL IMAGING SYSTEMS AND METHODS FOR IMAGING A REMOTE OBJECT

Title (de)
HYPERSPEKTRALES BILDGEBUNGSSYSTEM UND VERFAHREN ZUR BILDGEBUNG EINES ENTFERNTEN OBJEKTES

Title (fr)
SYSTÈMES D'IMAGERIE HYPERSPECTRALE ET PROCÉDÉS D'IMAGERIE D'UN OBJET À DISTANCE

Publication
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Application
EP 13815219 A 20131203

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Abstract (en)
[origin: CN105026901A] A hyperspectral imaging system (100c) and a method are described herein for providing a hyperspectral image of an area of a remote object (e.g., scene of interest 104). In one aspect, the hyperspectral imaging system includes at least one optic (106), a rotatable drum (402) which has a plurality of slits (4049 formed on the outer surface thereof and a fold mirror (408) located therein, a spectrometer (110), a two-dimensional image sensor (112), and a controller (114). In another aspect, the hyperspectral imaging system includes at least one optic, a rotatable disk (which has at least one spiral slit formed therein), a spectrometer, a two-dimensional image sensor, and a controller. In yet another aspect, the hyperspectral imaging system includes at least one optic, a rotatable disk (which has multiple straight slits formed therein), a spectrometer, a two-dimensional image sensor, and a controller.

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CN 105026901 A 20151104; CN 105026901 B 20180511; EP 2972150 A1 20160120; JP 2016510882 A 20160411; JP 6483080 B2 20190313

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