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 DISTANT

Publication

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Application

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Abstract (en)

[origin: CN104956192A] The invention discloses hyperspectral imaging systems and methods for imaging a remote object. In one aspect, the hyperspectral imaging system includes at least one optic (106), a rotatable disk (302) which has multiple straight slits (304) formed 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 drum (which has a plurality of slits formed on the outer surface thereof and a fold mirror located therein), a spectrometer, a two-dimensional image sensor, and a controller.

IPC 8 full level

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