

Title (en)

CAMERA MODULES PATTERNED WITH pi FILTER GROUPS

Title (de)

KAMERAMODULE MIT MUSTER AUS PI-FILTERGRUPPEN

Title (fr)

MODULES D'APPAREILS DE PRISE DE VUES CONSTITUÉS DE GROUPES DE FILTRES PI

Publication

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Application

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Abstract (en)

[origin: WO2013166215A1] Systems and methods in accordance with embodiments of the invention pattern array camera modules with pi filter groups. In one embodiment, an array camera module includes: an M x N imager array including a plurality of focal planes, where each focal plane includes an array of pixels; an M x N optic array of lens stacks, where each lens stack corresponds to a focal plane, and where each lens stack forms an image of a scene on its corresponding focal plane; where each pairing of a lens stack and focal plane thereby defines a camera; where at least one row in the M x N array of cameras includes at least one red camera, one green camera, and one blue camera; and where at least one column in the M x N array of cameras includes at least one red camera, one green camera, and one blue camera.

IPC 8 full level

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