

Title (en)

PARALLAX FREE THIN MULTI-CAMERA SYSTEM CAPABLE OF CAPTURING FULL WIDE FIELD OF VIEW IMAGES

Title (de)

ZUR AUFNAHME VON BILDERN MIT VOLLEM BREITEM SICHTFELD GEEIGNETES PARALLAXFREIES SCHMALES MULTIKAMERASYSTEM

Title (fr)

SYSTÈME À APPAREILS PHOTOS MULTIPLES MINCES SANS PARALLAXE PERMETTANT DE CAPTURER DES IMAGES À GRAND CHAMP DE VISION COMPLET

Publication

EP 3158727 A1 20170426 (EN)

Application

EP 15745008 A 20150619

Priority

- US 201462015329 P 20140620
- US 201462057938 P 20140930
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- US 2015036648 W 20150619

Abstract (en)

[origin: WO2015196050A1] Methods and systems for producing wide field of view field-of-view images are disclosed. In some embodiments, an imaging system includes a front camera having a first field-of-view (FOV) in a first direction and an optical axis that extends through the first FOV, a back camera having an optical axis that extends through the first FOV, a plurality of side cameras disposed between the front camera and the back camera, a back light re-directing reflective mirror component disposed between the back camera and plurality of side cameras, the back light re-directing reflective mirror component further disposed perpendicular to the optical axis of the back camera, and a plurality of side light re-directing reflective mirror components, each of the plurality of side cameras positioned to receive light re-directed reflected from one of the plurality of light redirecting reflective mirror components.

IPC 8 full level

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CPC (source: CN EP KR)

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