

Title (en)
METHOD AND APPARATUS FOR OBTAINING ENHANCED RESOLUTION IMAGES

Title (de)
VERFAHREN UND VORRICHTUNG ZUR GEWINNUNG VON BILDERN MIT VERBESSERTER AUFLÖSUNG

Title (fr)
PROCÉDÉ ET APPAREIL POUR OBTENIR DES IMAGES À RÉOLUTION AMÉLIORÉE

Publication
EP 3494692 A1 20190612 (EN)

Application
EP 17757950 A 20170804

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Abstract (en)
[origin: WO2018027182A1] An imaging system for obtaining images having enhanced features is described. The imaging system includes an optical system that receives and direct light from a field of view to two or more image planes. The image planes are optically coupled and configured to detect at least a portion of the received light and generate image data corresponding to the field of view. The system can include a processor that receives the image data generated by each plane and combines the data to form a combined image. The combined image can have a higher resolution than any image that can be obtained from the individual image sensors and the image plane may be curved to reduce the cost of optics. The processor can detect objects (e.g., moving objects) contained in images obtained from one image plane and configure the other image planes to obtain more detailed images of the detected objects.

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