

Title (en)

METHOD AND APPARATUS FOR DUAL RESOLUTION FOVEATING DISPLAY OUTPUT

Title (de)

VERFAHREN UND GERÄT FÜR EIN FOVEALES DISPLAY MIT DOPPELTER AUSFLÖSUNG

Title (fr)

PROCEDE ET APPAREIL POUR SORTIE D'AFFICHAGE FOVEAL A RESOLUTION DOUBLE

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Application

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Abstract (en)

[origin: WO0051345A1] A novel method and apparatus for providing dual resolution read out from a CMOS APS imager (215) with both concurrent high-resolution and low-resolution area display outputs. The imager (215) uses dual read out paths (230, 110) to increase the frame rate of the wide field of view while simultaneously providing high-resolution images for object identification. The first imager output (230) consists of a wide field of view (WFOV) output that uses a lower resolution that may be used to determine location of objects in the field. The second imager output (110) consists of a narrow field of view (NFOV) that contains at least one sub-frame of the total image area. The second image(s) may be used to replace or overwrite segments of the WFOV image. Thus, the dual-resolution imager (215) can provide concurrent high-resolution imager tracking while maintaining a low-resolution wide area image.

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