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(54) Title: TECHNIQUES FOR RAPID STEREO RECONSTRUCTION FROM IMAGES

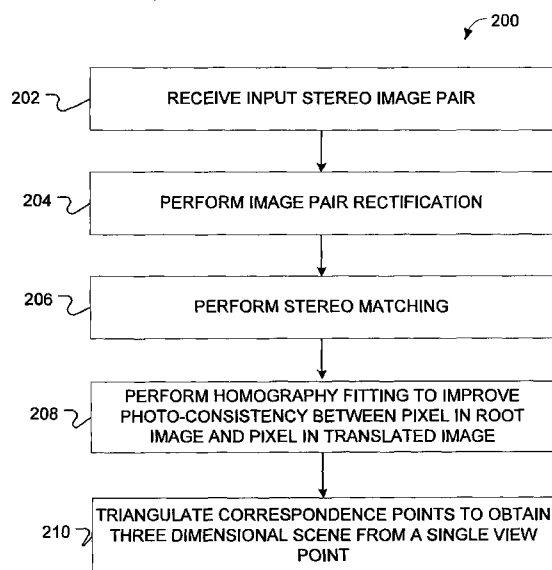


FIG. 2

(57) Abstract: Stereo image reconstruction techniques are described. An image from a root viewpoint is translated to an image from another viewpoint. Homography fitting is used to translate the image between viewpoints. Inverse compositional image alignment is used to determine a homography matrix and determine a pixel in the translated image.

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