

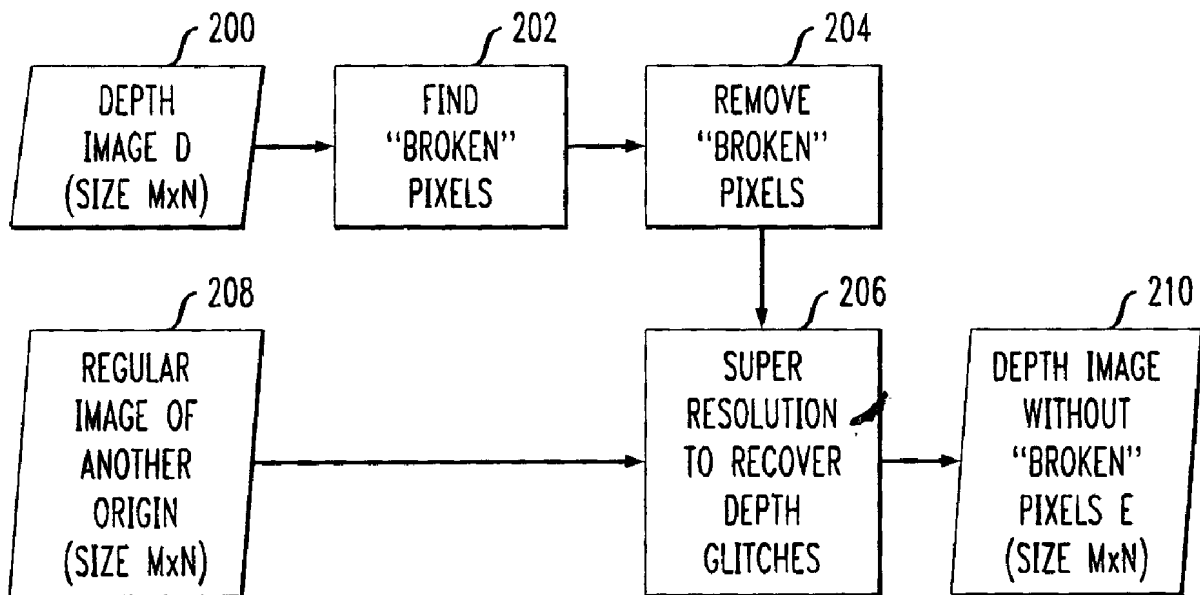


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(54) Titre : PROCÉDE DE TRAITEMENT D'IMAGE ET APPAREIL POUR ELIMINATION DES ARTEFACTS DE PROFONDEUR
 (54) Title: IMAGE PROCESSING METHOD AND APPARATUS FOR ELIMINATION OF DEPTH ARTIFACTS

FIG. 2



(57) **Abrégé/Abstract:**

An image processing system comprises an image processor configured to identify one or more potentially defective pixels associated with at least one depth artifact in a first image, and to apply a super resolution technique utilizing a second image to reconstruct depth information of the one or more potentially defective pixels. Application of the super resolution technique produces a third image having the reconstructed depth information. The first image may comprise a depth image and the third image may comprise a depth image corresponding generally to the first image but with the depth artifact substantially eliminated. An additional super resolution technique may be applied utilizing a fourth image. Application of the additional super resolution technique produces a fifth image having increased spatial resolution relative to the third image.

