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(54) **Title:** METHODS AND SYSTEMS FOR AUGMENTING DEPTH DATA FROM A DEPTH SENSOR, SUCH AS WITH DATA FROM A MULTIVIEW CAMERA SYSTEM

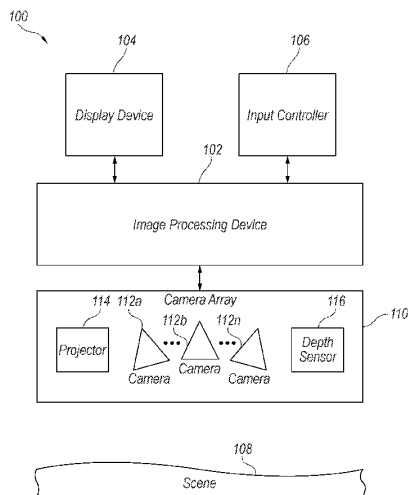


Fig. 1

(57) **Abstract:** Methods of determining the depth of a scene and associated systems are disclosed herein. In some embodiments, a method can include augmenting depth data of a scene captured with a depth sensor with depth data from one or more images of the scene. For example, the method can include capturing image data of the scene with a plurality of cameras. The method can further include generating a point cloud representative of the scene based on the depth data from the depth sensor and identifying a missing region of the point cloud, such as a region occluded from the view of the depth sensor. The method can then include generating depth data for the missing region based on the image data. Finally, the depth data for the missing region can be merged with the depth data from the depth sensor to generate a merged point cloud representative of the scene.