

SYSTEMS AND METHODS FOR ANALYZING CUTANEOUS CONDITIONS

Abstract

The following disclosure discusses systems and methods of detecting and analyzing cutaneous conditions. According to one embodiment, a 2D image of the cutaneous condition and a set of 3D point clouds associated with the 2D image are captured using an image capturing device. The 2D image and the set of 3D point clouds are sent to a computing device. The computing device generates a 3D surface according to the set of 3D point clouds. Subsequently, the computing device receives a depth map for the 2D image based upon the 3D surface from another computing device such that the depth map comprises depth data for each pixel of the 2D image. The cutaneous condition may then be measured and analyzed based upon the depth map using the computing device.

(FIG. 1)