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(54) **SYSTEM AND METHOD FOR 3D IMAGING USING STRUCTURED LIGHT ILLUMINATION**

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(51) **Int. Cl.**

G06K 9/00	(2006.01)
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CPC ***H04N 13/0253*** (2013.01); ***G01B 11/254*** (2013.01)

(58) **Field of Classification Search**
CPC combination set(s) only.
See application file for complete search history.

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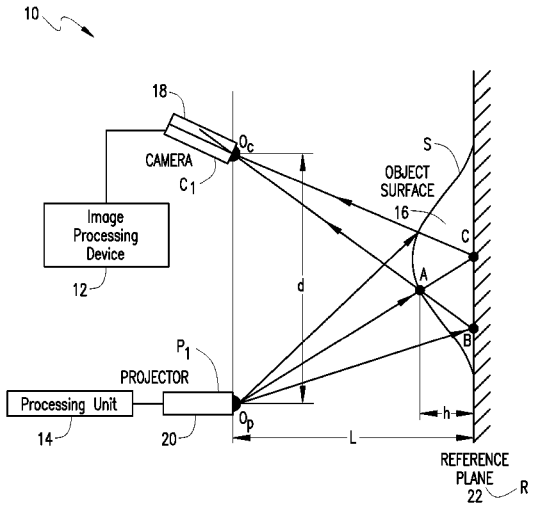
(57) **ABSTRACT**

A biometrics system captures and processes a handprint image using a structured light illumination to create a 2D representation equivalent of a rolled inked handprint. A processing unit calculates 3D coordinates of the hand from the plurality of images and maps the 3D coordinates to a 2D flat surface to create a 2D representation equivalent of a rolled inked handprint.

11 Claims, 21 Drawing Sheets