

SPOOF DETECTION USING OPTOKINETIC RESPONSE

ABSTRACT

The technology described in this document can be embodied in a method for preventing access to a secure system based on determining a captured video to be an alternative representation of a live person. The method includes presenting a stimulus on a user interface of a device. Video of a subject who is within a field of view of a video capture device is captured after presentation of the stimulus. The captured video is analyzed to extract ocular data comprising a response of the subject to the stimulus. A determination is made, by comparing the ocular data to one or more reference patterns that the subject in the captured video is an alternative representation of a live person. Responsive to determining that the subject in the captured video is an alternative representation of a live person, access to the secured system is prevented.

FIG. 4