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(54) **SYSTEM AND METHOD FOR  
DETERMINING DIRECTIONALITY OF  
IMAGERY USING HEAD TRACKING**

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**ABSTRACT**

There is provided a system and method for reinstating directionality of onscreen displays of three-dimensional (3D) imagery using sensor data capturing eye location of a user. The method can include: receiving the sensor data capturing the eye location of the user; tracking the location of the eyes of the user relative to a screen using the captured sensor data; determining an updated rendering of the onscreen imagery using off-axis projective geometry based on the tracked location of the eyes of the user to simulate an angled viewpoint of the onscreen imagery from the perspective of the location of the user; and outputting the updated rendering of the onscreen imagery on a display screen.

