

Title (en)
EYE-BASED ACTIVATION AND TOOL SELECTION SYSTEMS AND METHODS

Title (de)
AUGENBASIERTE AKTIVIERUNGS- UND WERKZEUGAUSWAHLSYSTEME UND VERFAHREN

Title (fr)
SYSTÈMES ET PROCÉDÉS DE SÉLECTION D'OUTILS ET D'ACTIVATION BASÉE SUR L'OEIL

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Application
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Abstract (en)
[origin: WO2021080926A1] Presented are eye-controlled user-machine interaction systems and methods that, based on input variables that comprise orientation and motion of an electronic contact lens, assist the wearer of the contact lens carrying a femtoprojector to control and navigate a virtual scene that may be superimposed onto the real-world environment. Various embodiments provide for smooth, intuitive, and naturally flowing eye-controlled, interactive operations between the wearer and a virtual environment. In certain embodiments, eye motion information is used to wake a smart electronic contact lens, activate tools in a virtual scene, or any combination thereof without the need for blinking, winking, hand gestures, and use of buttons.

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