

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

Publication
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Application
EP 20878692 A 20201019

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- US 202016940152 A 20200727
- US 2020056376 W 20201019

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.

IPC 8 full level
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Citation (search report)

- [I] US 2016246384 A1 20160825 - MULLINS BRIAN [US], et al
- [A] US 2018149884 A1 20180531 - MILLER GREGORY DAVID [US], et al
- [A] US 2018173011 A1 20180621 - BARROWS COREY KENNETH [US], et al
- See also references of WO 2021080926A1

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