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(54) **SYSTEMS AND METHODS FOR VIRTUAL ENVIRONMENT CONSTRUCTION FOR BEHAVIORAL RESEARCH**

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See application file for complete search history.

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G06K 9/00 (2006.01)

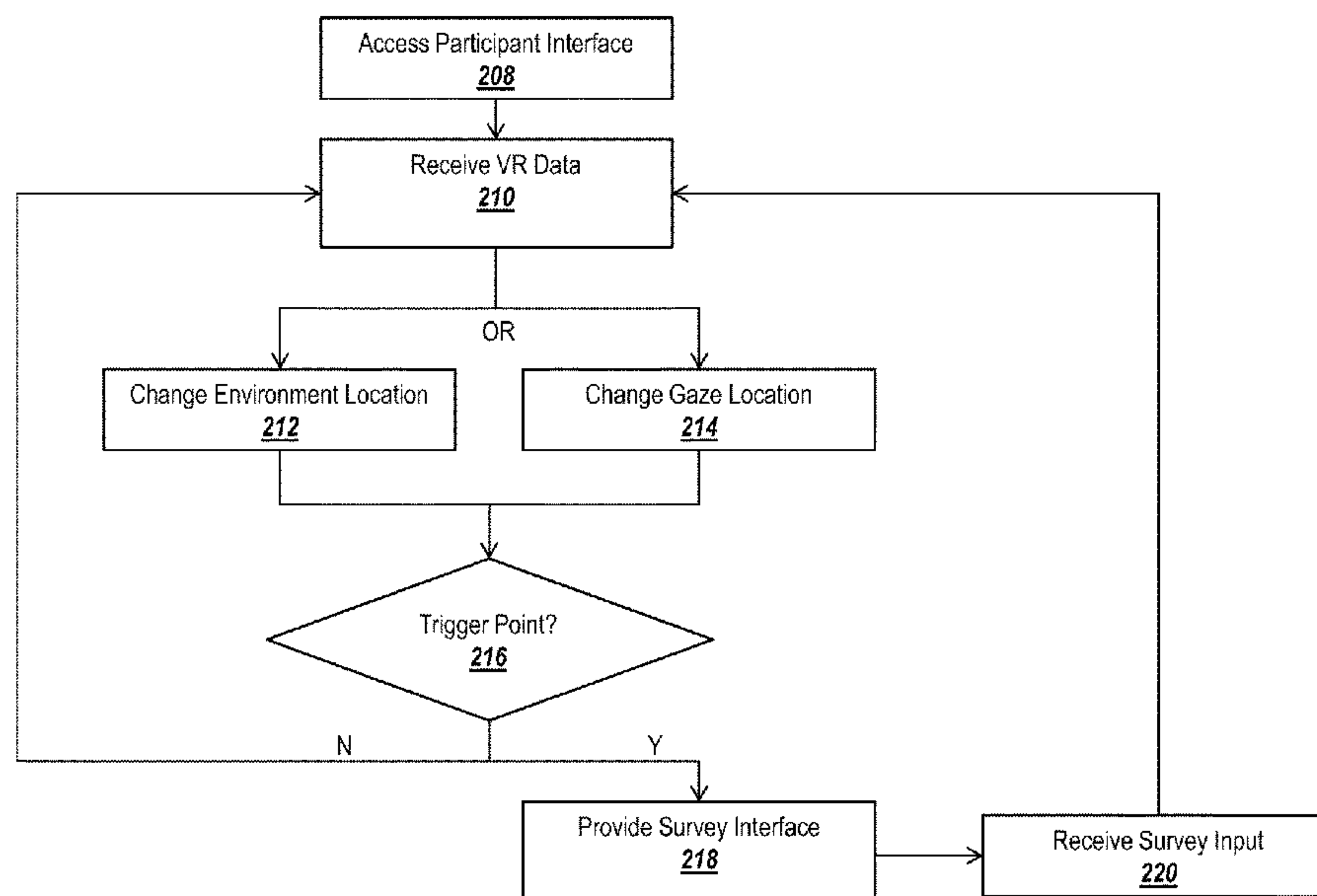
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CPC **G06Q 30/0201** (2013.01); **G06K 9/00604** (2013.01); **G06K 9/00617** (2013.01); **A63F 2300/8082** (2013.01)

(58) **Field of Classification Search**
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(57) **ABSTRACT**

Exemplary embodiments provide methods, mediums, and systems for behavioral research. In some embodiments, a simulated environment may be created. The simulated environment may be displayed to a user on a proprietary display device which utilizes a proprietary data format for storing the simulated environment. Multiple different types of proprietary devices may be supported by providing a hardware agnostic canvas and translation logic. The hardware agnostic canvas may be stored in a neutral format that is not specific to a proprietary display device. The translation logic may translate the hardware agnostic canvas into a format that is interpretable by a proprietary display device, and may translate data gathered from the proprietary display device into a hardware neutral format for further analysis.

20 Claims, 18 Drawing Sheets



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