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(54) **LOCATION-BASED GAMES AND AUGMENTED REALITY SYSTEMS**

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(57) **ABSTRACT**

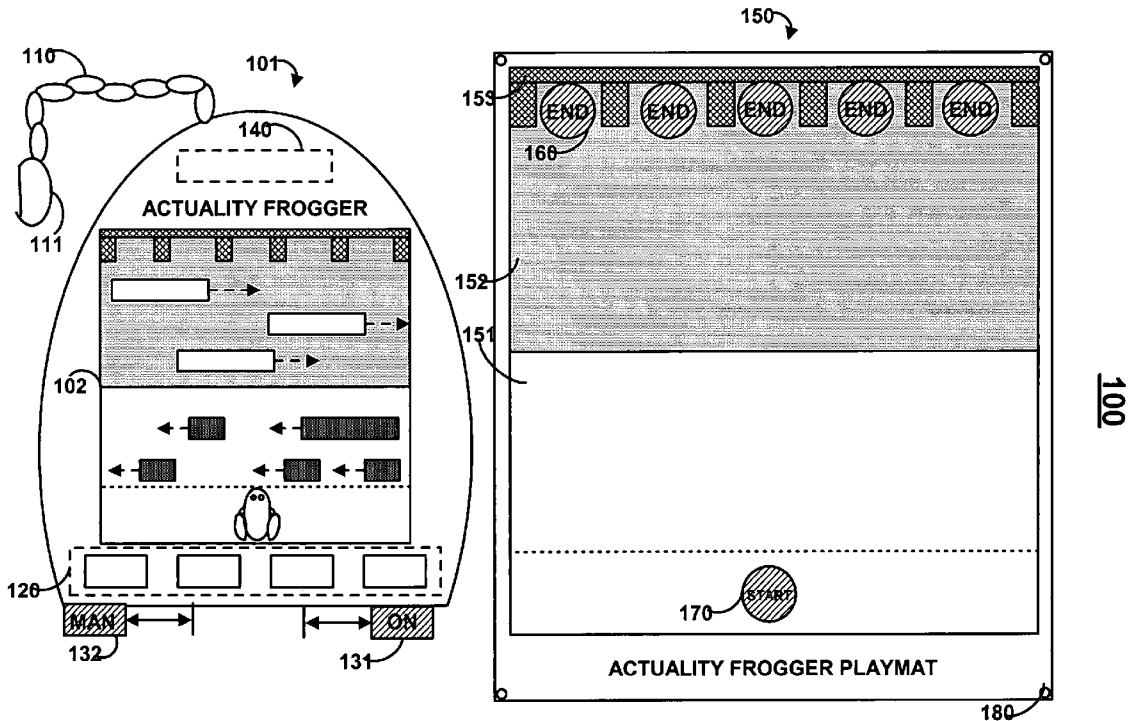
Handheld location based games are provided in which a user's physical location correlates to the virtual location of a virtual character on a virtual playfield. Augmented Reality (AR) systems are provided in which video game indicia are overlaid onto a user's physical environment. A landscape detector is provided that may obtain information about the user's landscape, in addition to the user's location, in order to provide overlaying information to an AR head-mounted display and control information to non-user controlled video game characters.

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(22) Filed: **Nov. 16, 2005**

**Related U.S. Application Data**

(60) Provisional application No. 60/628,475, filed on Nov. 16, 2004.



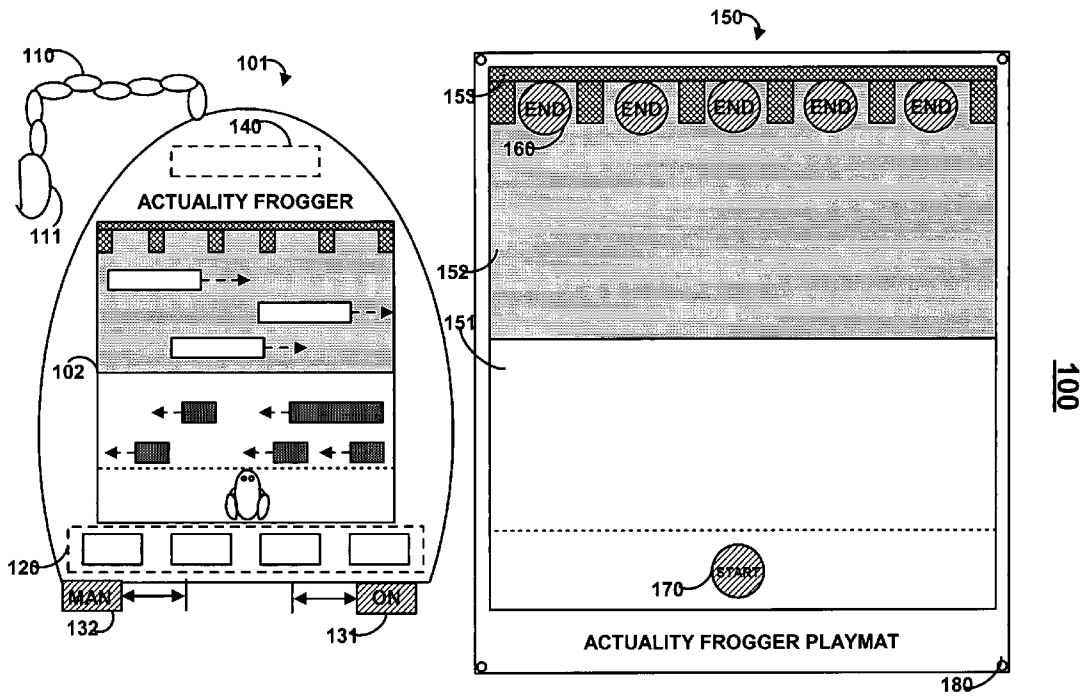
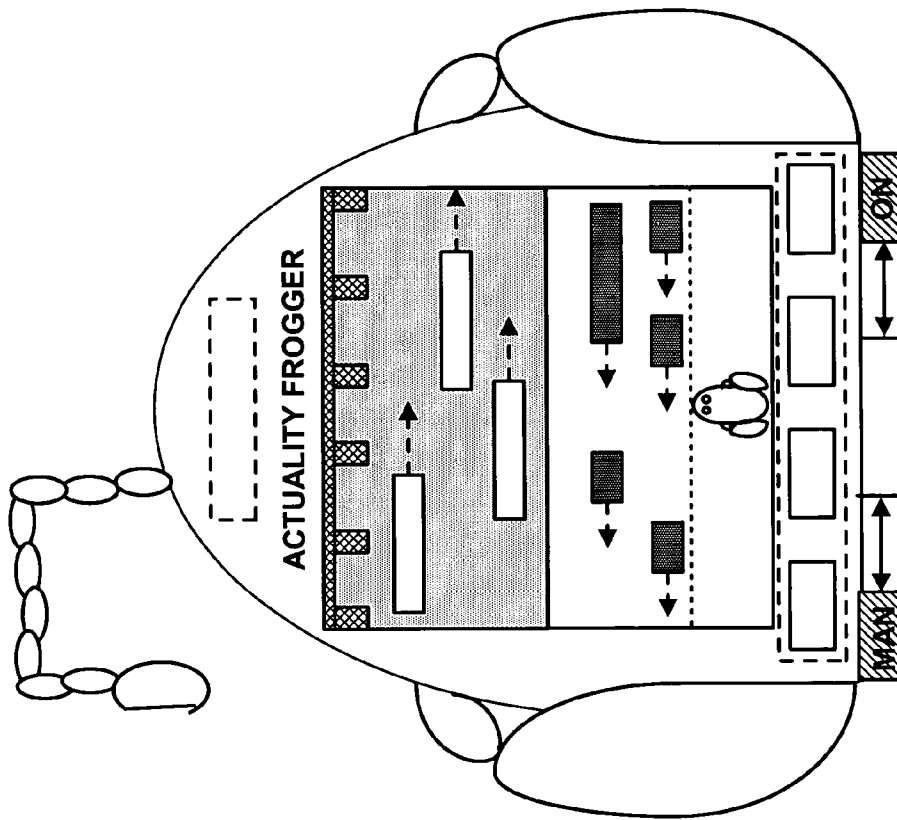


FIG. 1

**200**



**FIG. 2**

300

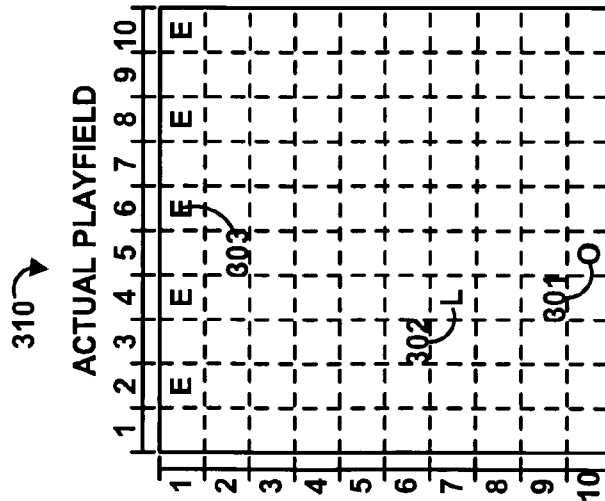
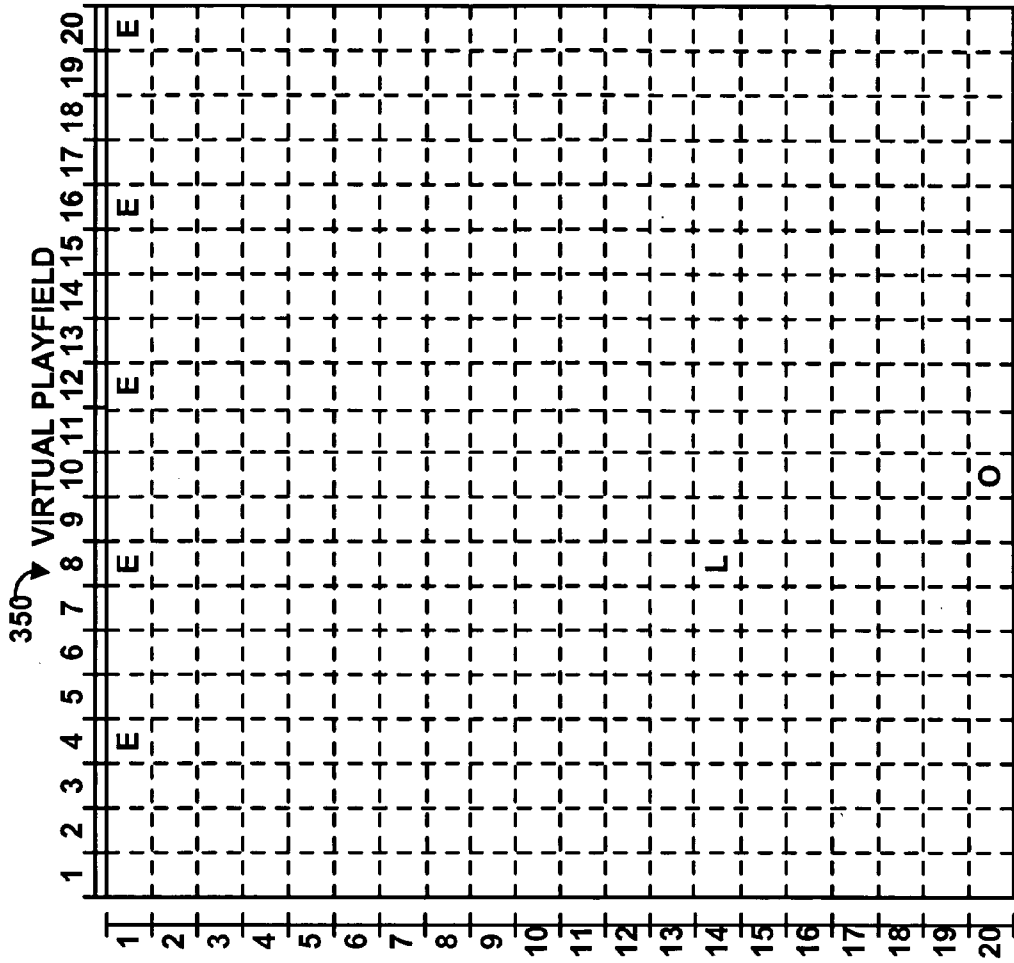


FIG. 3

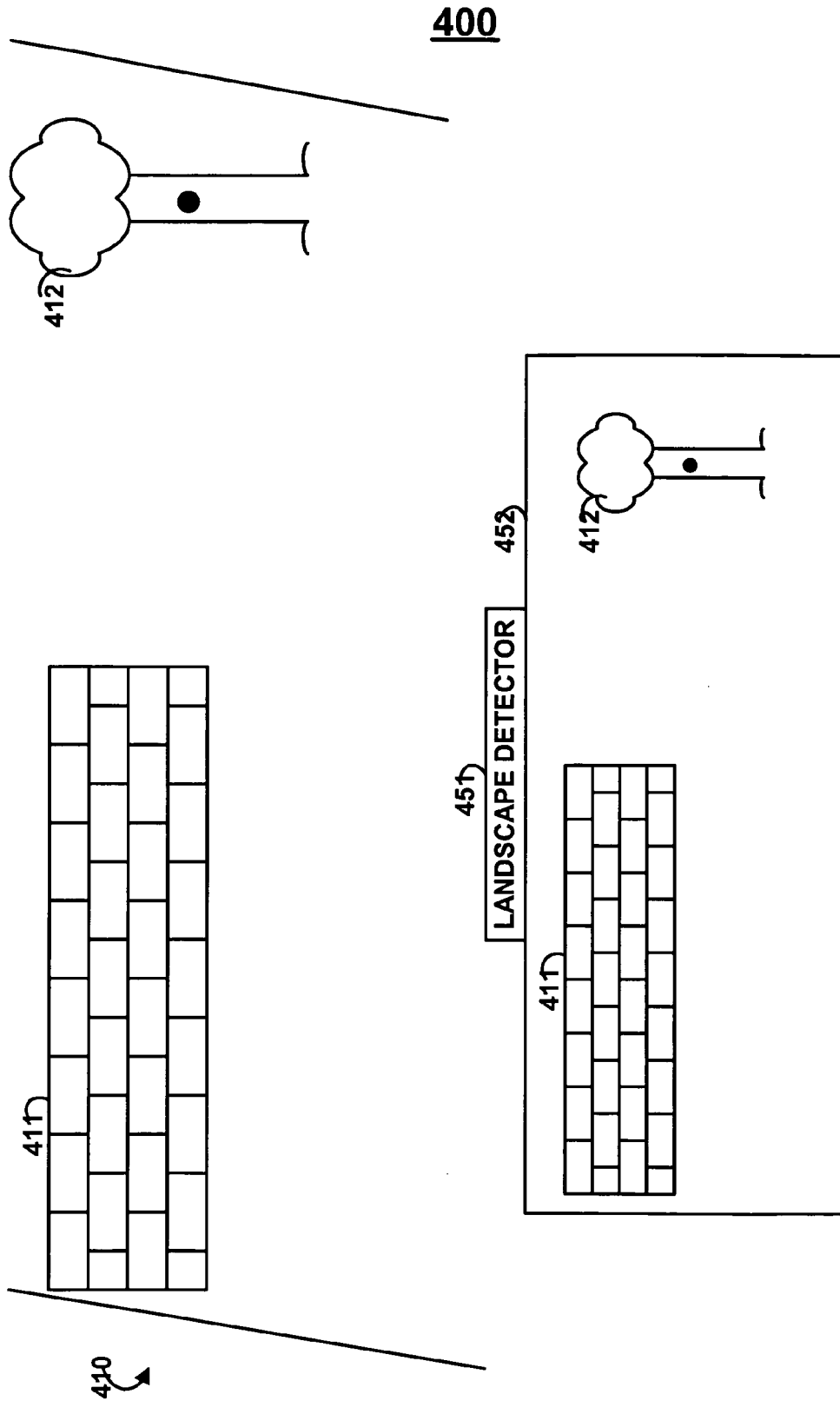


FIG. 4

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