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

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(76) Inventor: **Jeffrey D. Mullen**, New York, NY (US)

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Correspondence Address:
JEFFREY D. MULLEN
350 WEST 43RD ST., APT. 5H
NEW YORK, NY 10036 (US)

(57) **ABSTRACT**

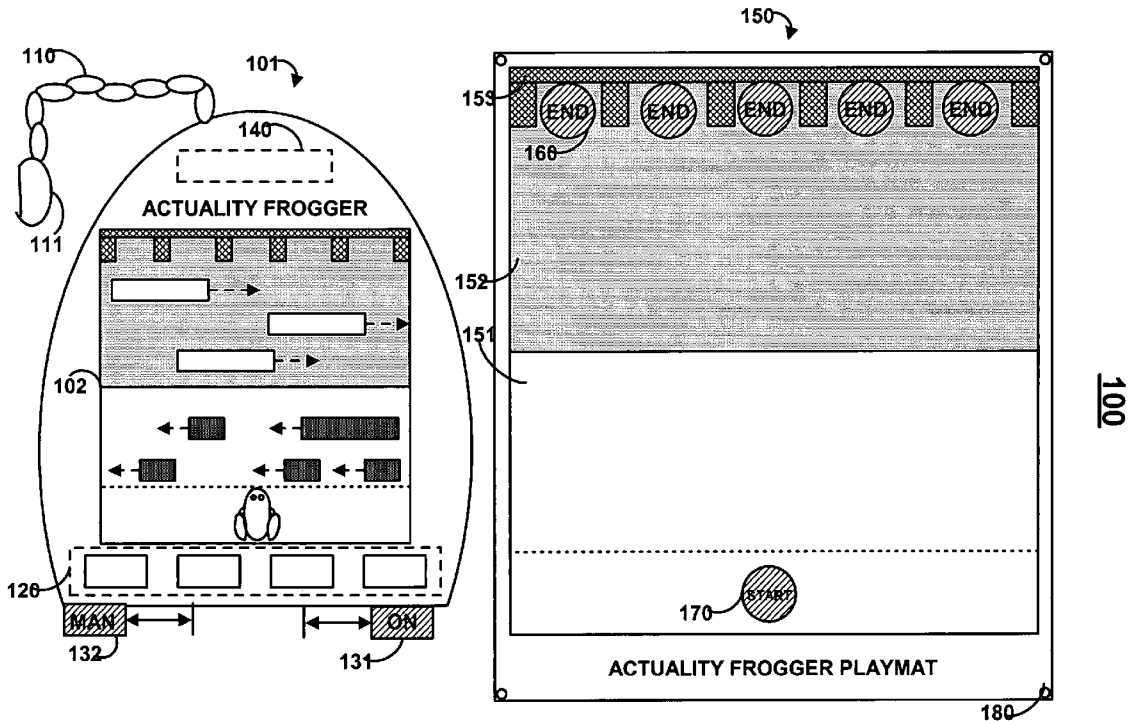
Handheld location based games are provided in which a user's physical location correlates to the virtual location of a virtual character on a virtual playfield. Augmented Reality (AR) systems are provided in which video game indicia are overlaid onto a user's physical environment. A landscape detector 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.



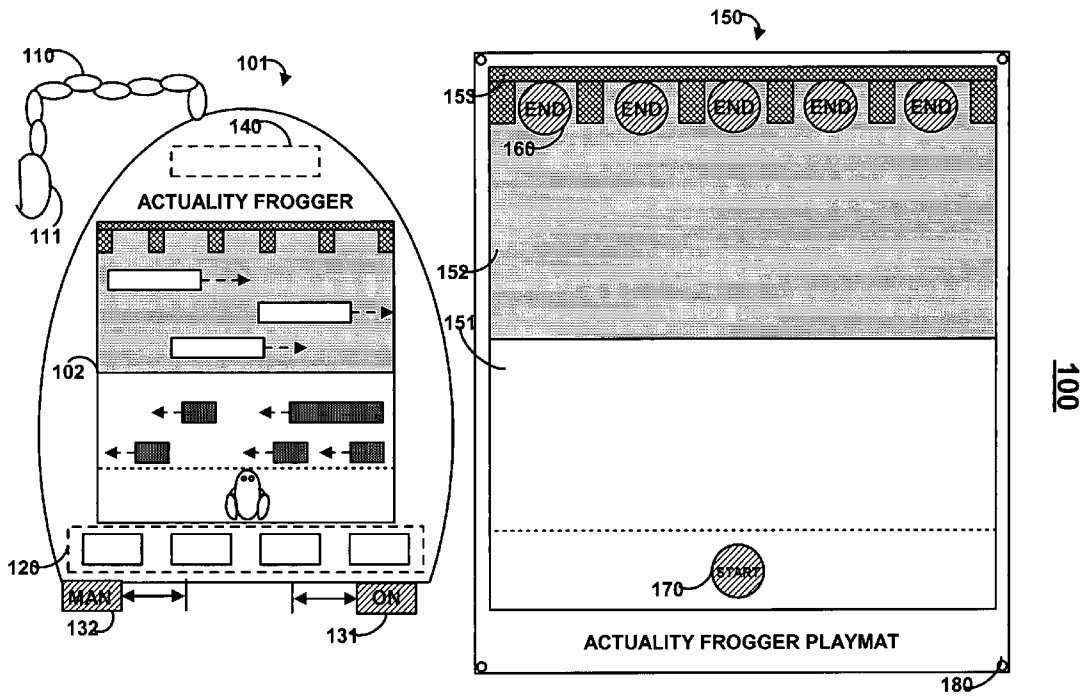


FIG. 1

200

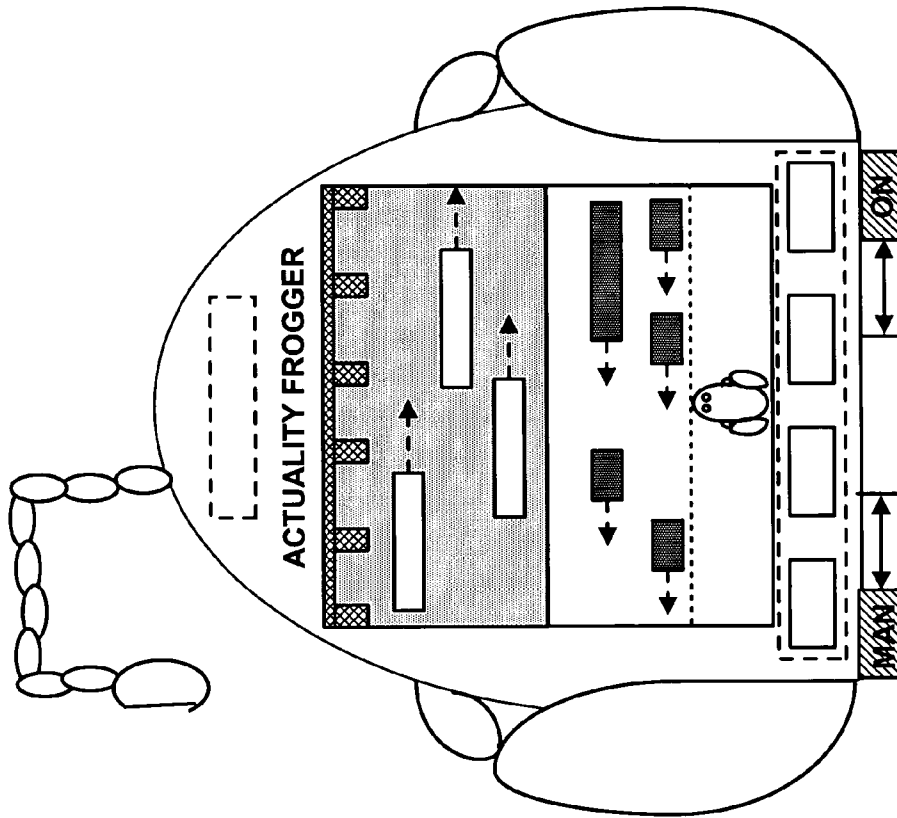


FIG. 2

300

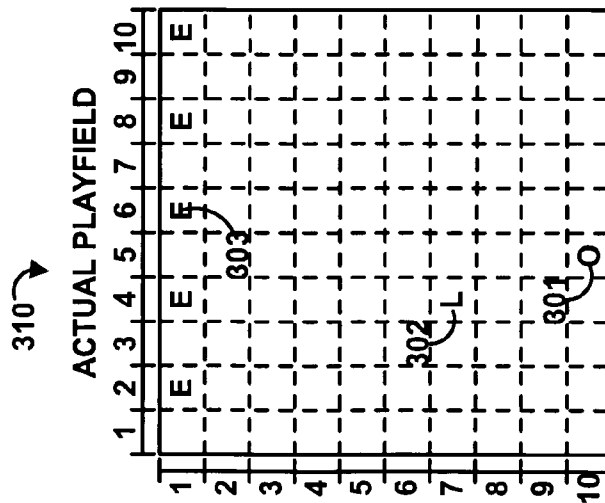
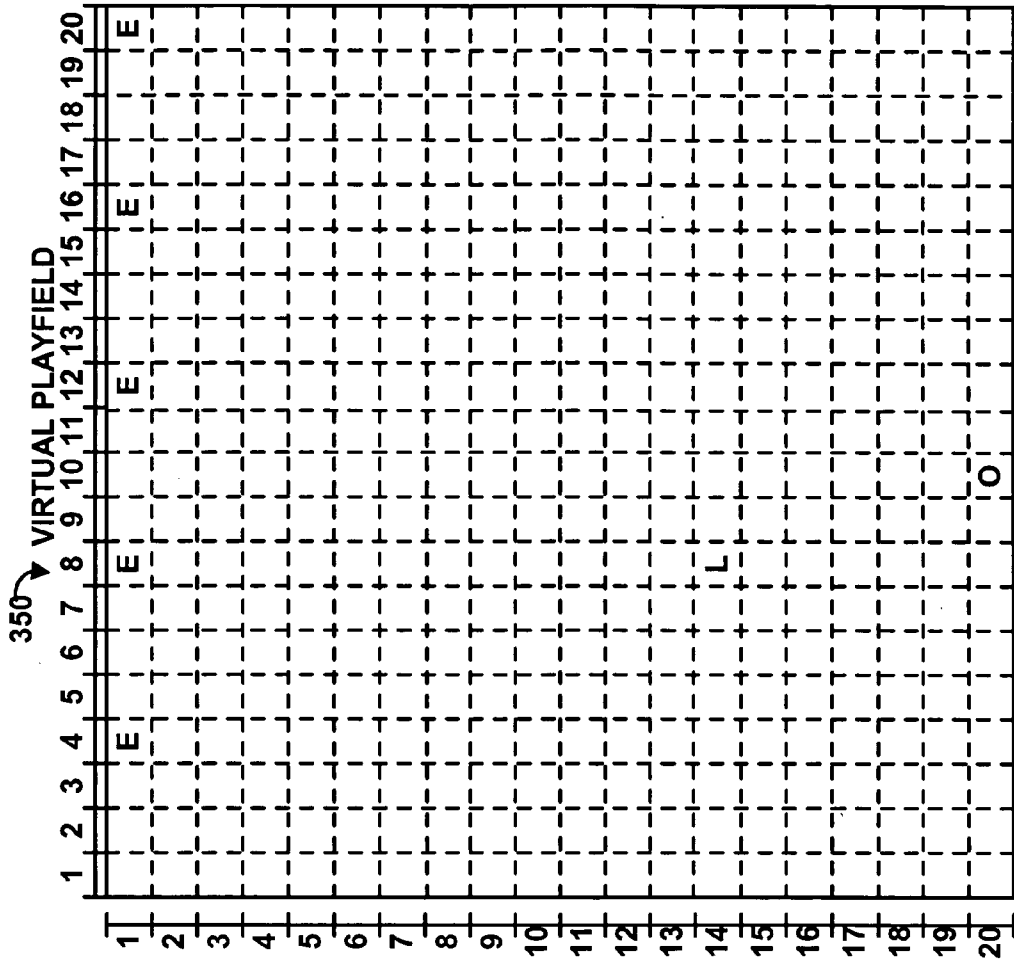


FIG. 3

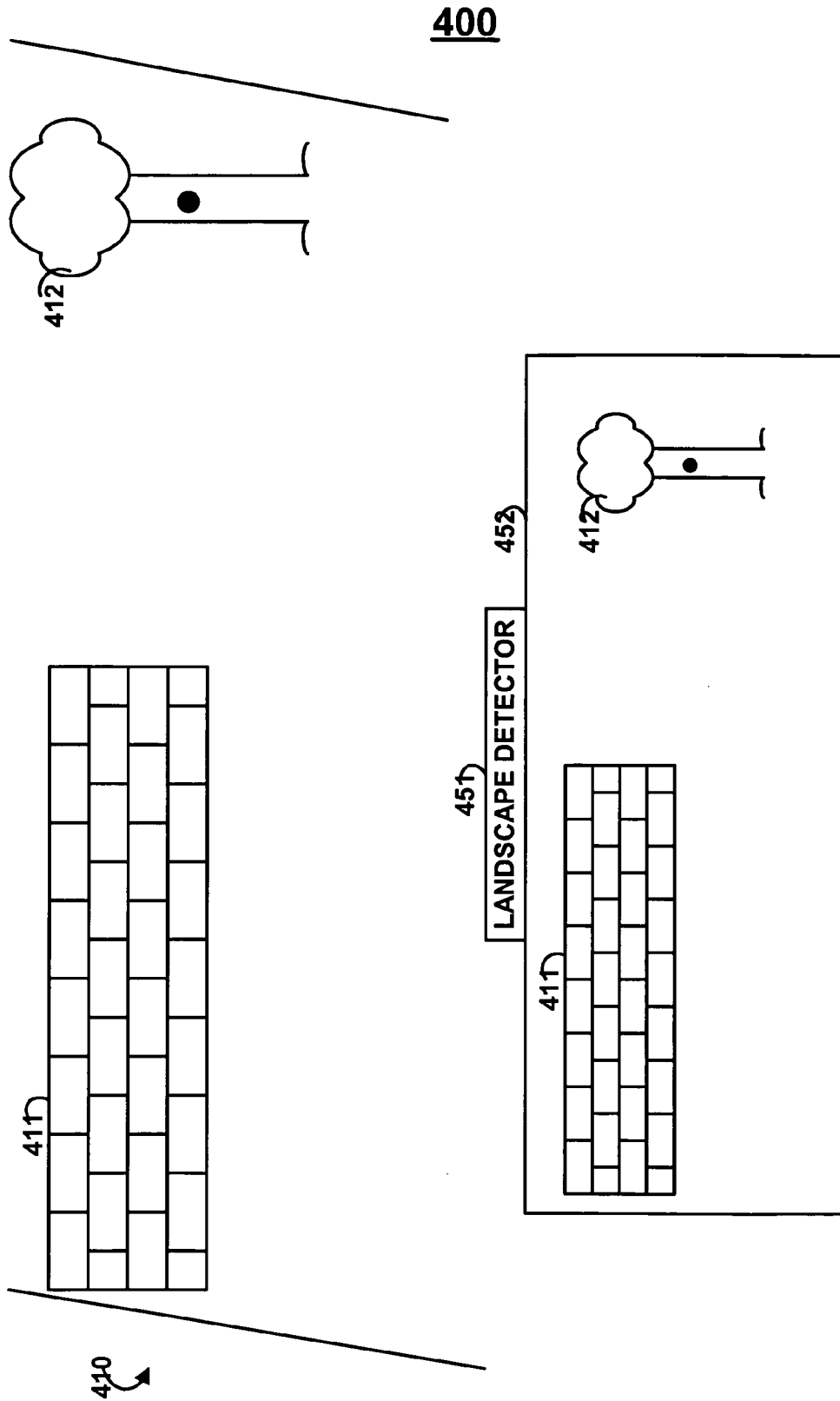


FIG. 4

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