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(54) Title: COMBINING SPECULATIVE PHYSICS MODELING WITH GOAL-BASED ARTIFICIAL INTELLIGENCE

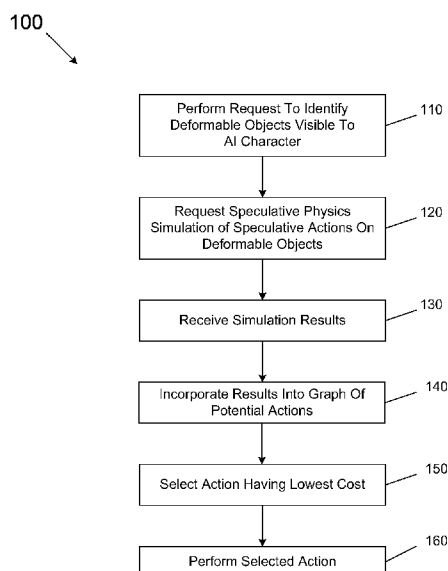


FIG. 2

(57) Abstract: In one embodiment, the present invention includes a method for identifying a deformable object of a scene of a computer game that is visible by an artificial intelligence (AI) character of the game, requesting a speculative physics simulation associated with the deformable object to determine a result of an action to the deformable object by the AI character, and selecting an action to be performed by the AI character, where the selection is based at least in part on the speculative physics simulation. Other embodiments are described and claimed.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/037820**A. CLASSIFICATION OF SUBJECT MATTER***A63F 13/00(2006.01)i, A63F 13/10(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC8 A63F 13/00, A63F 13/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & keywords : "physics", "simulation", and "AI".

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004/0266526 A1 (HERBRICH et al.) 30 December 2004	1-20
A	US 2004/0263693 A1 (HERBRICH et al.) 30 December 2004	1-20
A	JP 2001-224849 A (SONY COMPUTER ENTERTAINMENT INC) 21 August 2001	1-20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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