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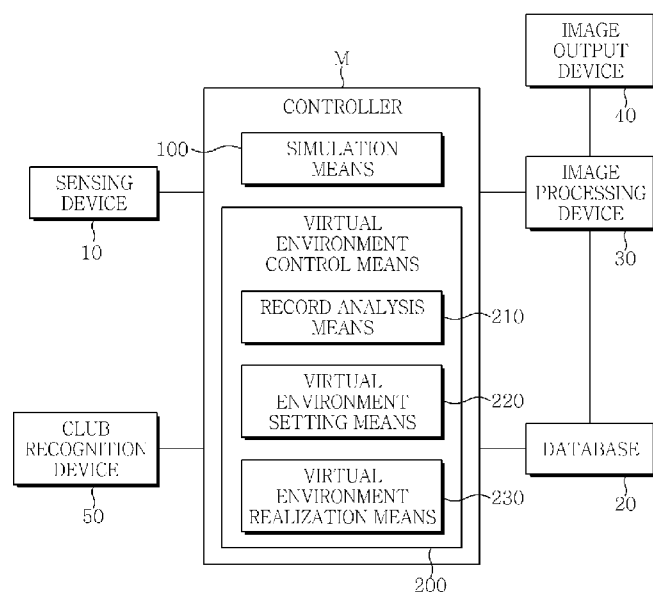
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[Continued on next page]

(54) **Title:** APPARATUS AND METHOD FOR VIRTUAL GOLF DRIVING RANGE SIMULATION

[Fig. 1]



(57) **Abstract:** Disclosed herein are a virtual golf driving range simulation apparatus and method that are capable of providing various practice modes for each kind of golf shot so that a user can intensively practice a specific golf shot through golf simulation based on virtual reality, realizing a virtual environment which cannot be experienced on a real golf driving range so that the user can intensively practice a golf shot that can be utilized in a real game with interest, and changing the virtual environment whenever the user achieves a goal record so that the user can practice a golf shot step by step in a more skilled manner, thereby dramatically improving the user's golf skill.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2012/002351**A. CLASSIFICATION OF SUBJECT MATTER****A63B 69/36(2006.01)i, G09B 9/00(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)

A63B 69/36; G08B 21/00; A63B 53/00; A63F 9/24; G09B 9/00; G06K 9/00

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: golf, virtual golf, sensing device, image processing, simulation mean, virtual environment control mean

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	KR 10-0970675 B1 (GOLFZON CO., LTD.) 15 July 2010 See the abstract, claims 1, 8, 19, and figures 1-4.	1,7 2-6,8-18
A	KR 10-1019803 B1 (GOLFZON CO., LTD.) 04 March 2011 See the abstract, claims 1, 11, 12, and figures 1-6.	1-18
A	US 2010-0184496 A1 (NICORA, DANIEL ANTONIO et al.) 22 July 2010 See the abstract, claims 1, 13, 16, 17, and figures 1-7.	1-18
A	US 2010-0104136 A1 (KIRALY, CHRISTOPHER M.) 29 April 2010 See the abstract, claims 1, 18, 19, and figures 1-14.	1-18
A	US 6579190 B2 (YAMAMOTO, AKIO) 17 June 2003 See the abstract, claim 1, and figures 1-6.	1-18



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2012/002351

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