

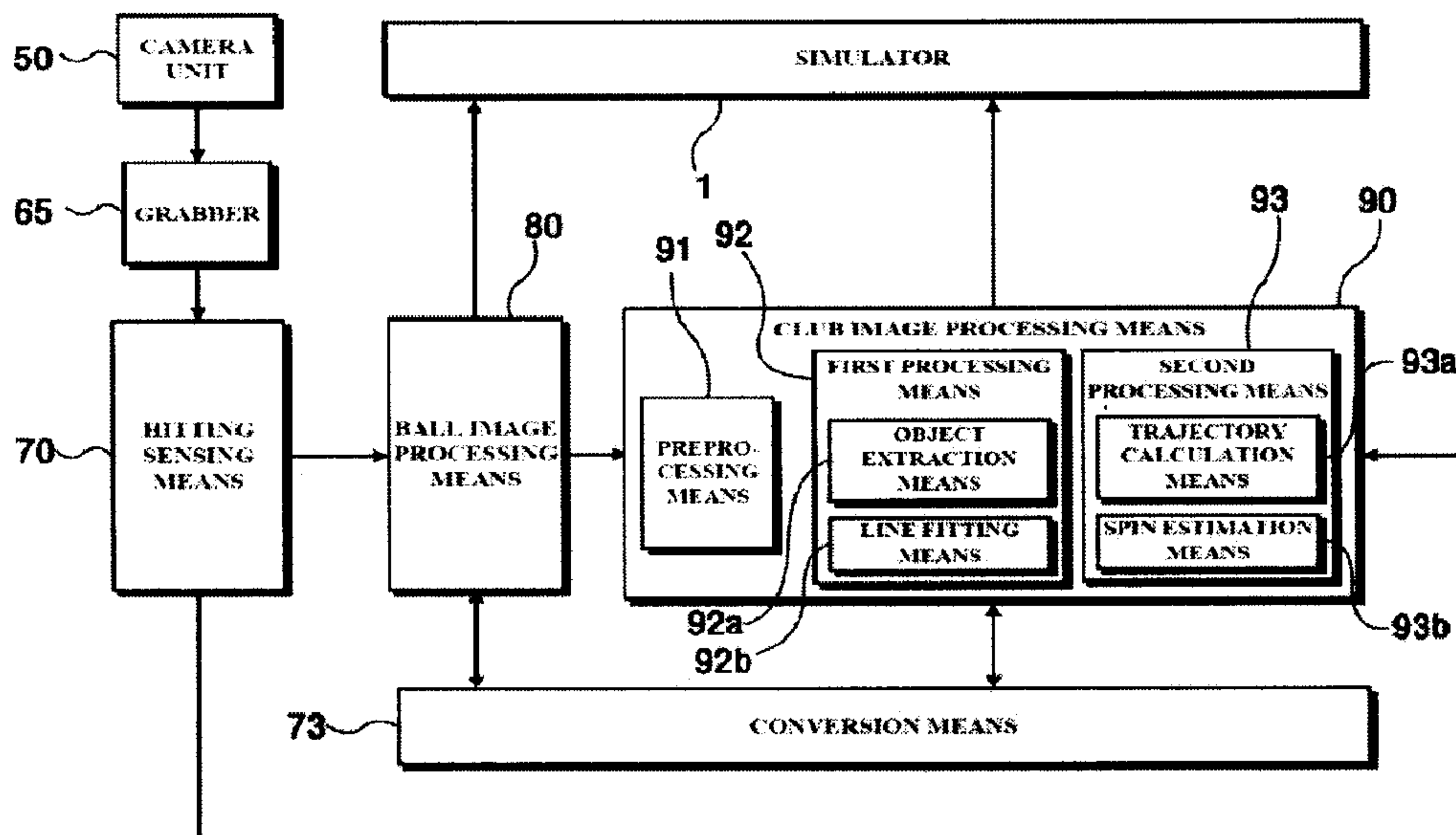


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(72) **Inventeurs/Inventors:**
PARK, HYUN-JIN, KR;
YOON, HYUNG-SIK, KR;
JEONG, HYUN-DAM, KR;
JANG, HYUNG-WOOK, KR
(73) **Propriétaire/Owner:**
GOLFZON CO., LTD., KR
(74) **Agent:** BRION RAFFOUL

(54) **Titre : DISPOSITIF DE DETECTION ET PROCEDE DE DETECTION UTILISE DANS UN DISPOSITIF DE SIMULATION DE GOLF VIRTUEL**

(54) **Title: SENSING DEVICE AND METHOD USED FOR VIRTUAL GOLF SIMULATION APPARATUS**



(57) **Abrégé/Abstract:**

Disclosed are a sensing device and method used for a virtual golf simulation apparatus in which an image acquired by an inexpensive camera having a relatively low resolution and velocity is analyzed to relatively accurately extract information on physical properties, such as velocity, direction and altitude angle, of a moving ball, and, particularly, in which the moving trajectory of a golf club is relatively accurately calculated from the acquired image to relatively accurately estimate spin of the ball and to reflect the estimated spin of the ball in golf simulation, thereby constituting a virtual golf simulation apparatus having high accuracy and reliability at low costs and further improving reality of virtual golf.