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- (71) **Applicant: GOLFTEC ENTERPRISES, LLC** [US/US];
67 Inverness Drive East, Suite A, Englewood, CO 80112 (US).
- (72) **Inventors: DECKER, Michael;** 21482 East Wonderlust Place, Parker, CO 80138 (US). **SIMONS, Craig;** 730 9th Street, Boulder, CO 80302 (US).

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- (74) **Agent: CARPENTER, James, Robert;** Faegre Drinker Biddle & Reath LLP, 1144 15th Street, Suite 3400, Denver, CO 80202 (US).
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- (54) **Title:** METHOD FOR IMPROVING MARKERLESS MOTION ANALYSIS

(57) **Abstract:** Systems, methods, and computer-readable storage devices are disclosed for improving markerless motion analysis. One method including: receiving position data of joint centers of a body in motion captured by at least one camera; enhancing, using model equations, three-dimensional (3D) angular kinematic data of the position data of the joint centers of the body, wherein the enhanced 3D angular kinematic data includes increased measurement accuracy of the position data of the joint centers of the body; and providing the enhanced 3D angular kinematic data for display to evaluate motion performance.

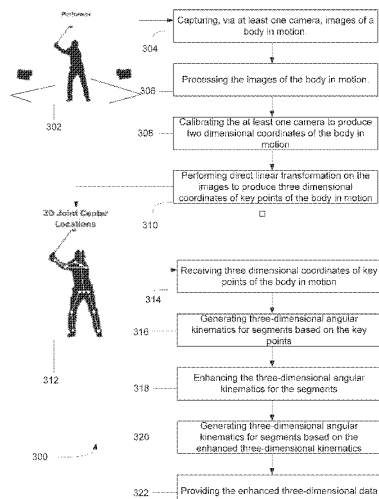


Figure 3

WO 2022/178165 A1