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(54) **SYSTEM AND METHOD FOR MOTION ANALYSIS**

(57) A system (1) for motion analysis includes a sensing device (11) positioned at a knee joint of a bicycle rider, and an electronic device (12) in communication with the sensing device (11). The electronic device (12) is configured to receive, from the sensing device (11), a series of pieces of sensed data representing orientations

of the sensing device (11) at different times, to determine a motion trajectory of a knee of the rider based on the received pieces of sensed data, and to generate an estimation result regarding correctness of a riding posture of the rider based on the motion trajectory.

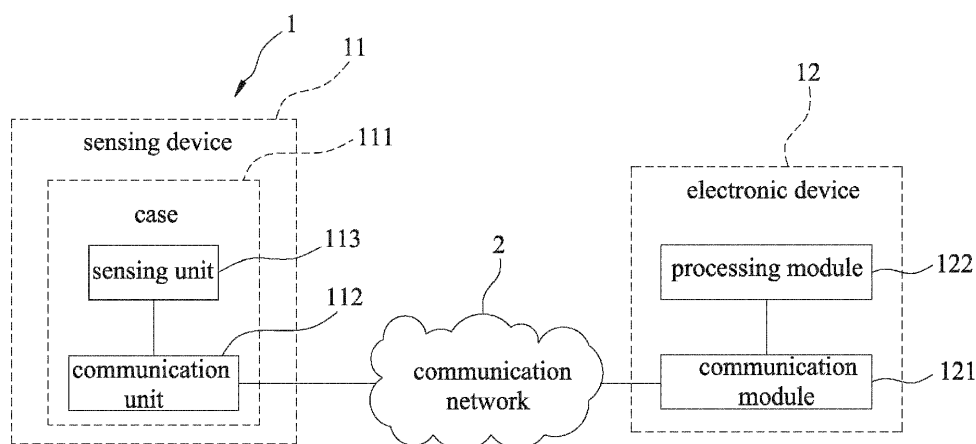


FIG.3