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(54) **3D MOUSE AND GAME CONTROLLER
BASED ON SPHERICAL COORDINATES
SYSTEM AND SYSTEM FOR USE**

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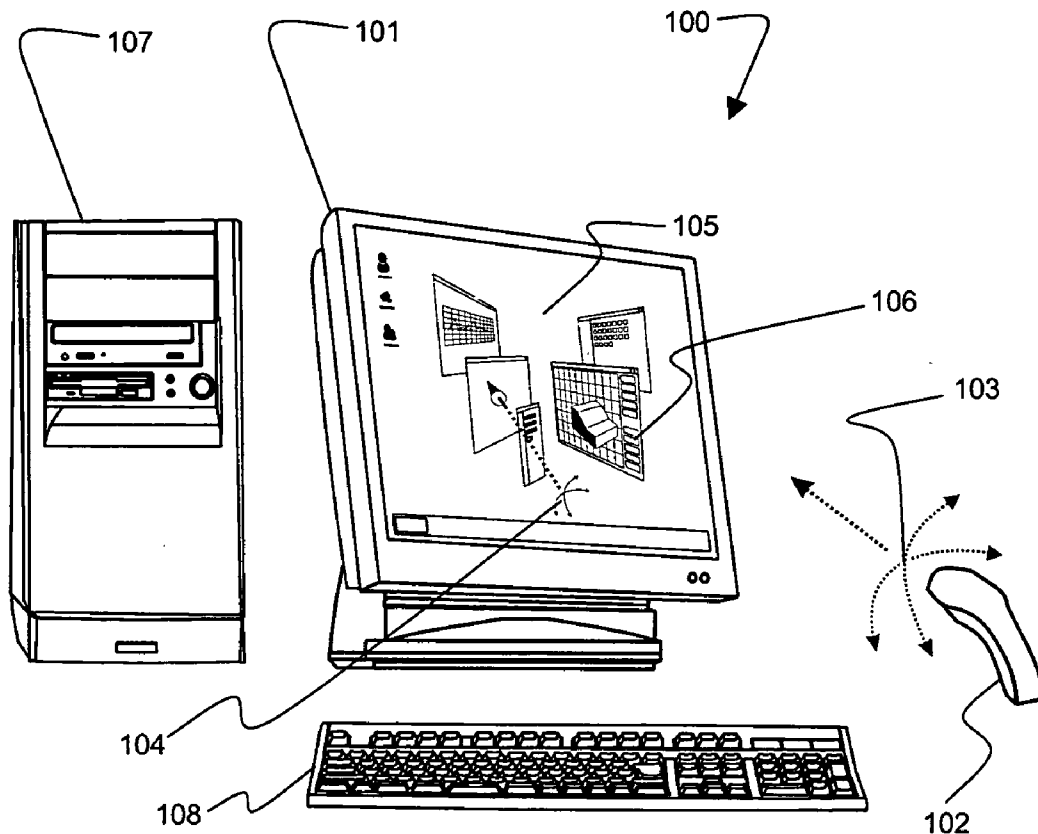
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(57) **ABSTRACT**

A computer input device constructed from at least one tilt accelerometer and at least one linear input element is disclosed. This input device can be used in a computer system to specify a position on a display using radial coordinates, cylindrical coordinates, or spherical coordinates.



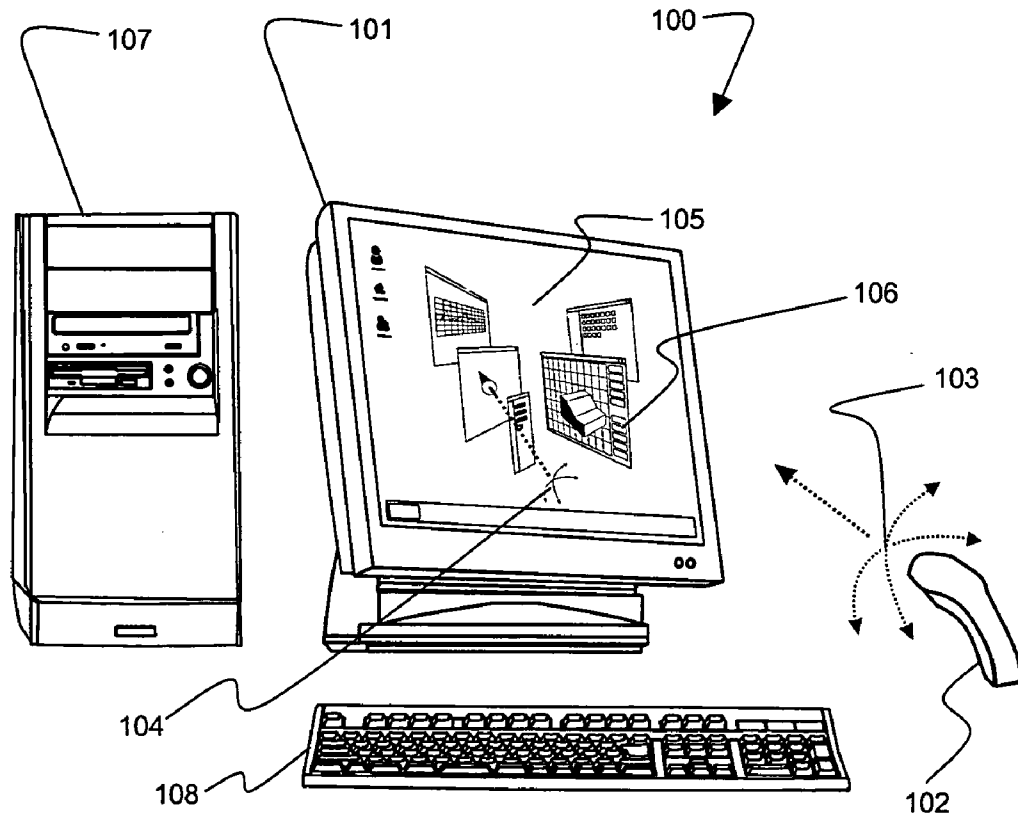


Fig. 1

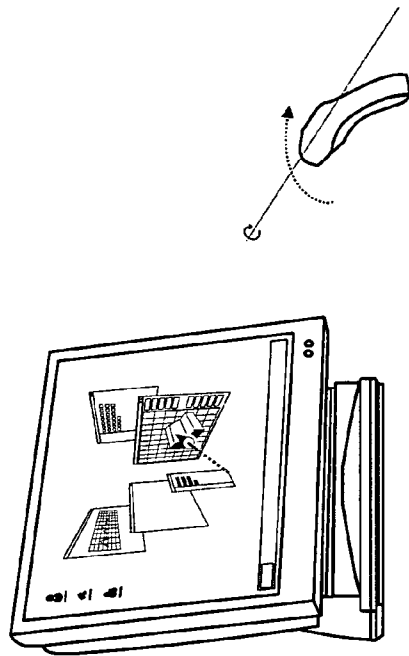


Fig. 2b

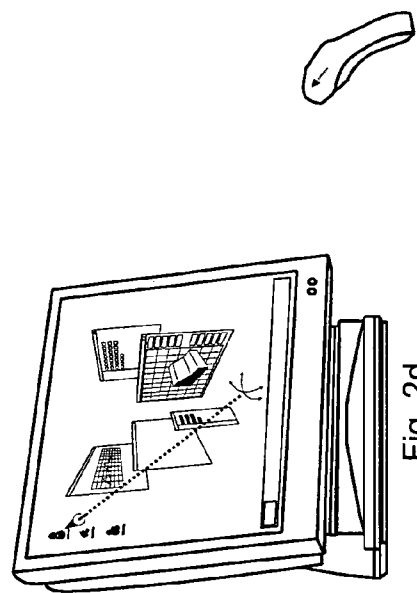


Fig. 2d

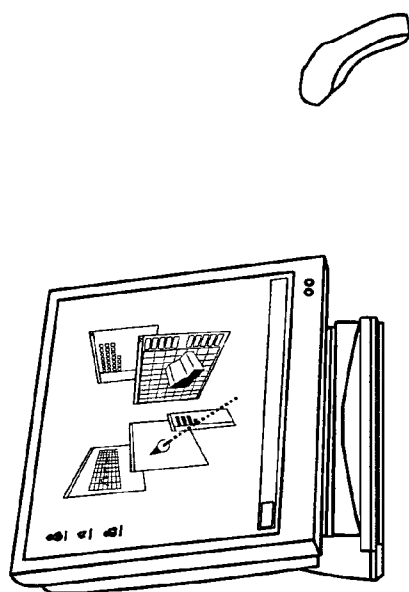


Fig. 2a

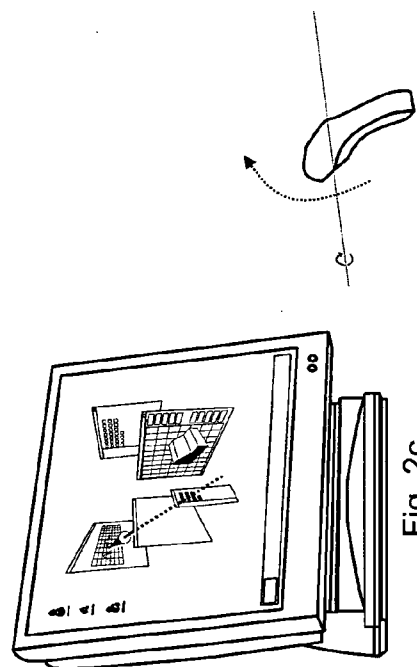


Fig. 2c

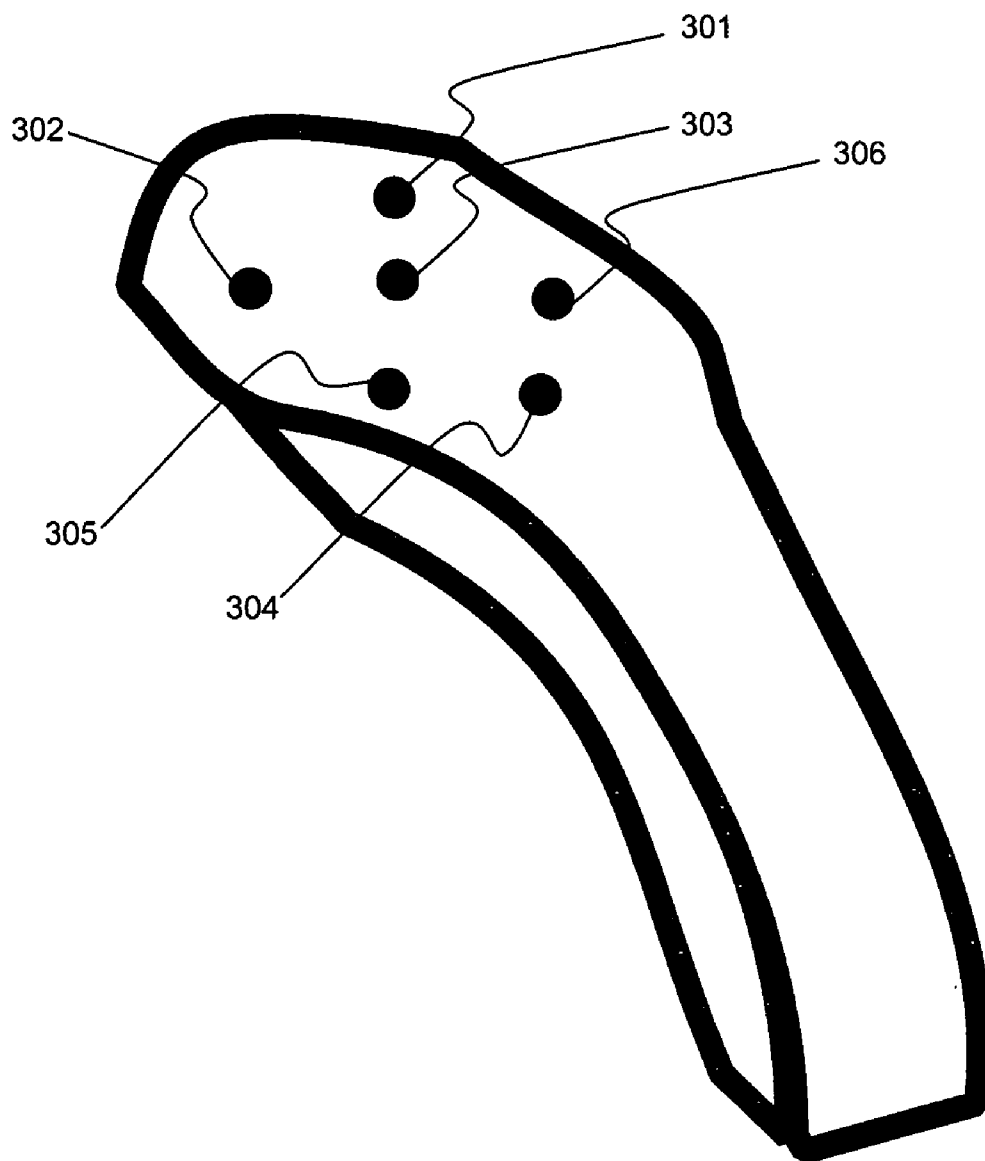


Fig. 3

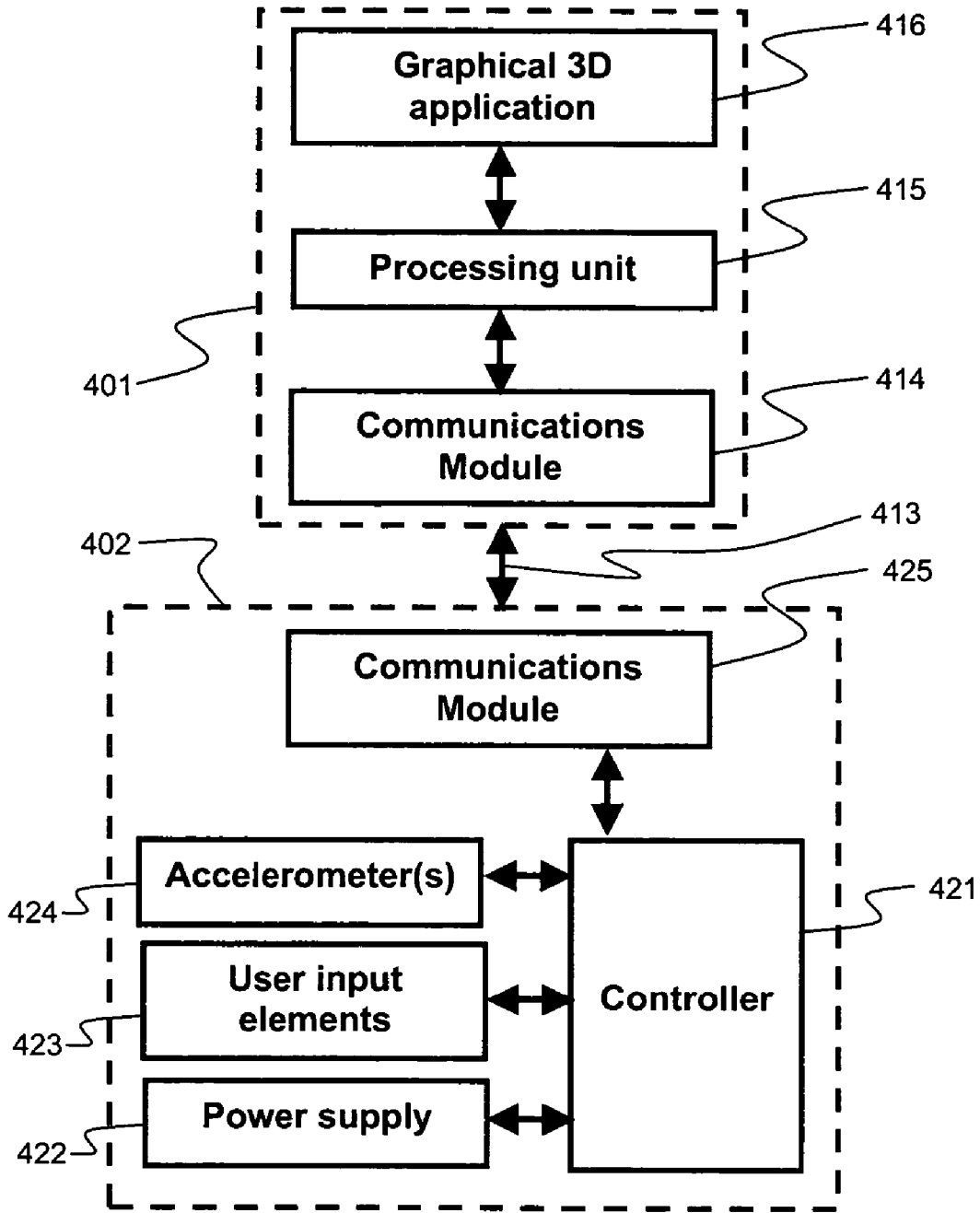


Fig. 4

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