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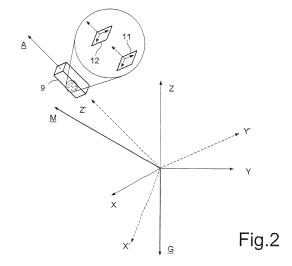
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(54) Pointing and control device and method for a computer system

A pointing and control device for a computer system includes: a body (9) that can be manoeuvred by a user; and an inertial sensor (12), fixed to the body (9), for supplying first signals (S_{AX} ', S_{AY} ', S_{AZ} ') correlated to the orientation of the body (9) with respect to a gravitational field (G) acting on the inertial sensor (12). The device moreover includes: a magnetometer (11), fixed to the body (9) for supplying second signals (S_{MX} ', S_{MY} ', S_{M7} ') correlated to the orientation of the body (9) with respect to the Earth's magnetic field (M) acting on the magnetometer (11); and processing modules (17, 18; 317) for determining an orientation (A, X', Y', Z') of the body (9) in an absolute reference system (X, Y, Z; G, P, N), fixed with respect to the Earth's magnetic field (M) and gravitational field (G), on the basis of the first signals (S_{AX}', S_{AY}, S_{AZ}') and second signals (S_{MX}', S_{MY}', S_{MZ}').



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