

NORTH FINDING DEVICE, SYSTEM AND METHOD

ABSTRACT

5 A device includes: a gyroscope adapted to be mounted to a goniometer, wherein a sensitivity
axis of the gyroscope is substantially perpendicular to a rotation axis of the goniometer,
wherein the goniometer is adapted to provide at least a first goniometer azimuth reading (A1)
at a first azimuthal direction and a second goniometer azimuth reading (A2) at a second
azimuthal direction, wherein the gyroscope is adapted to provide at least a first gyroscope
10 angular rate reading (ω_1) at the first azimuthal direction and a second gyroscope angular rate
reading (ω_2) at the second azimuthal direction, wherein the device enables measurement of a
tilt angle.

Figure 1 is suggested for publication.