

ABSTRACT

A method for determining a position of a point using a measurement device includes aiming the measurement device at the point and determining a tilt of the measurement device using one or more tilt sensors. The method also includes determining a position of the measurement device, and determining a bearing of the measurement device. The method also includes computing a distance to the point using the tilt of the measurement device and a height of the measurement device, and determining the position of the point using the position of the measurement device, the bearing of the measurement device, and the distance to the point.

63095278 v1