INCLINATION MEASUREMENT APPARATUS

Inclination measurement apparatus includes an indexable clinometer bearing turntable rotatable in a single plane between a pair of precisely reproducible diametrically opposite orientations with respect to the desired measurement axis for respectively issuing inclination measurements $V_{90}$ and $V_{180}$ responsive to the inclination of a surface with respect to a desired measurement axis, and a reference clinometer for enabling uninterrupted accurate bias corrected inclination measurements of the inclination of the surface with respect to the desired measurement axis by virtue of its inclination measurements being employed for calculating bias corrected inclination measurements.

22 Claims, 5 Drawing Sheets