

SCREW ACTUATED NIGHT VISION GOGGLE TILT MECHANISM

ABSTRACT

A mechanism for adjusting the angular position of an optical device with respect to a field helmet is disclosed. The mechanism includes an optical device mounting component for coupling to the optical device. A field helmet mounting component is provided for coupling to the field helmet. The field helmet mounting component is rotatably coupled to the optical device mounting component about an axis of rotation. An angular adjustment mechanism is engaged between the optical device mounting component and the field helmet mounting component. The angular adjustment mechanism includes a translating member that is moveably translatable along an axis of translation for engaging a surface of either the field helmet mounting component or the optical device mounting component. Translation of the translating member along the axis of translation induces rotation of the optical device mounting component about the axis of rotation for adjusting the angular position of the optical device.

Figure 1B