

surface of the first opening in the container are threaded so that the distance between the lens holder and the interior surface of the substantially hemispherical posterior portion may be adjusted.

- 15. An artificial eye, comprising:
  - a generally spherically shaped container having a first opening;
  - a lens holder removably disposed in the first opening in the container;
  - a first fluid disposed in the container; and
  - a second fluid disposed in the lens holder;

wherein the container includes a second opening, the artificial eye further comprising a plug removably disposed in the second opening in the container.

- 16. A test apparatus, comprising:
  - a radiation source;
  - a device to be tested disposed in a path of radiation from the radiation source;
  - an artificial eye disposed in a path of radiation from the device to be tested;
  - an image receiving device for receiving the image created in the artificial eye; and
  - an image processor for processing an electronic image from the image receiving device into a human readable image.

17. The test apparatus of claim 16 wherein the image receiving device is one of a charged couple device camera and an optometer.

18. The test apparatus of claim 16 wherein the human readable image is one of a high resolution printout or a screen display.

- 19. A test apparatus, comprising:
  - a radiation source;
  - a device to be tested disposed in a path of radiation from the radiation source;

an artificial eye disposed in a path of radiation from the device to be tested;

an image receiving device for receiving the image created in the artificial eye; and

an image processor for processing an electronic image from the image receiving device into a human readable image; wherein the device to be tested comprises radiation protective eyewear.

- 20. A test apparatus, comprising:
  - a radiation source;
  - a device to be tested disposed in a path of radiation from the radiation source;
  - an artificial eye disposed in a path of radiation from the device to be tested;
  - an image receiving device for receiving the image created in the artificial eye;
  - an image processor for processing an electronic image from the image receiving device into a human readable image; and
  - a base plate and a pair of posts mounted on the base plate wherein the artificial eye is pivotally mounted to the pair of posts.

21. The test apparatus of claim 20 further comprising a first rod horizontally pivotally mounted the base plate directly below a center of the artificial eye and a second rod mounted on the first rod wherein the image receiving device is mounted on the second rod.

22. The test apparatus of claim 21 further comprising a protractor mounted to the base plate for indicating the angular position of the image receiving device with respect to the artificial eye.

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