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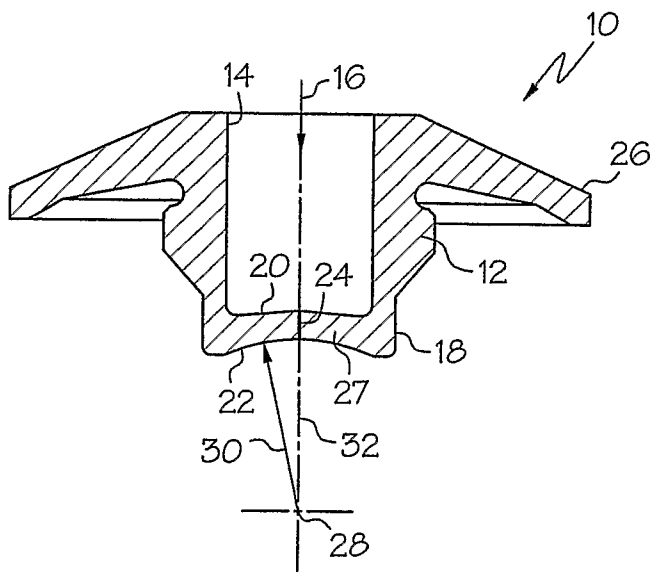
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ning of each regular issue of the PCT Gazette.

(54) Title: COMBINATION UMBRELLA AND INVERTED BI-DIRECTIONAL VALVE



(57) Abstract: A combination valve including a valve body having an inverted bi-directional valve portion and an umbrella portion is disclosed. In accordance with one aspect of the invention, a combination valve includes a valve body (12) with a substantially cylindrical portion (14) defining a flow path, a resilient umbrella valve portion (26) extending annularly from the valve body and an inverted bi-directional valve portion provided in the flow path. The inverted bi-directional valve portion includes an interior surface, an exterior surface and at least one normally closed slit (24) extending therebetween, wherein the exterior surface of the inverted bi-directional valve portion includes a generally concave curved portion when the slit is closed.

WO 2005/116497 A1