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(54) Title: BENDABLE GLASS STACK ASSEMBLIES, ARTICLES AND METHODS OF MAKING THE SAME

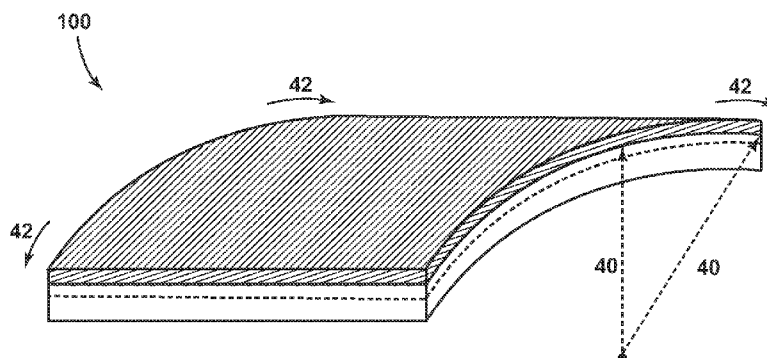


FIG. 1A

(57) Abstract: A glass element having a thickness from 25 μm to 125 μm , a first primary surface, a second primary surface, and a compressive stress region extending from the first primary surface to a first depth, the region defined by a compressive stress σ_1 of at least about 100 MPa at the first primary surface. Further, the glass element has a stress profile such that when the glass element is bent to a target bend radius of from 1 mm to 20 mm, with the center of curvature on the side of the second primary surface so as to induce a bending stress σ_B at the first primary surface, $\sigma_1 + \sigma_B < 0$. Still further, the glass element has a puncture resistance of ≥ 1.5 kgf when the first primary surface of the glass element is loaded with a tungsten carbide ball having a diameter of 1.5 mm.



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