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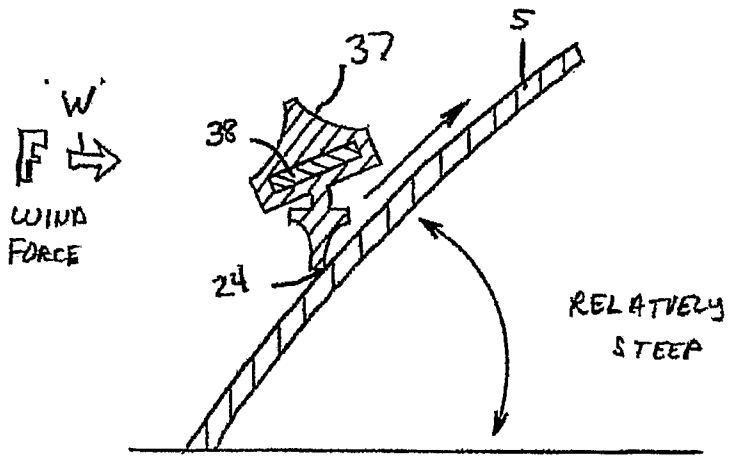
(54) Title: WIND DEFLECTOR WITH SYMMETRICAL GEOMETRY



(57) Abstract: A resilient windshield wiper assembly is disclosed which comprises a resilient wind-deflector portion molded or extruded to provide a receiving hollow for insertion of a support beam. The resilient wind-deflector portion has a feature strategically positioned and structurally effective to prevent the resilient portion from being rotated or twisted around the support beam. The wind deflector is symmetrical with respect to the axial orientation of the support beam. The symmetry allows conversion of the wind force components from lifting forces to normal forces acting to press and/or hold the wiper against the wiper surface even when subjected to side gusts or reverse head-wind forces. The symmetry further provides a strength member acting directly over the top of the wiping lip surface avoiding introducing a twisting force into the support beam.

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