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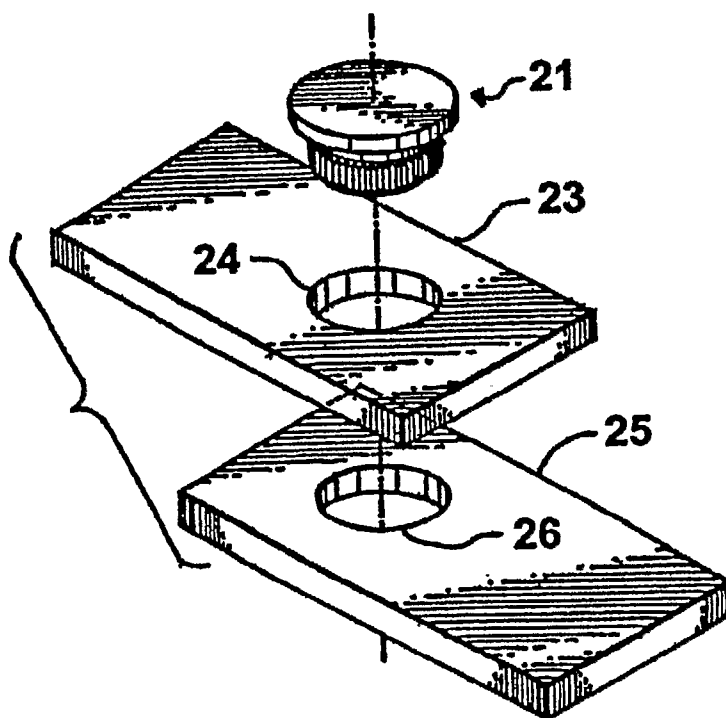
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(54) Title: CLINCH/BROACH CONNECTOR



(57) Abstract: A connector insert 21 is installed into two panels 23 and 25, one non-metallic and one metal, effectively locking them together and finishing flush with the surfaces of each panel. Both sheets have aligned apertures 24 and 26 through which the connector is installed. The connector is a clinch-type fastener including a shank having a displacer head at one end and an endface at the opposite end, the head having a planar top surface and being the largest diameter of the fastener. An undercut groove is located on the shank immediately below the head and a plurality of axially-extending broaching teeth on the shank are located immediately below the undercut groove. The diameter of the broaching teeth is greater than the diameter of the undercut groove but less than the diameter of the head. At the end of the shank is a planar endface immediately below the broaching portion.

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