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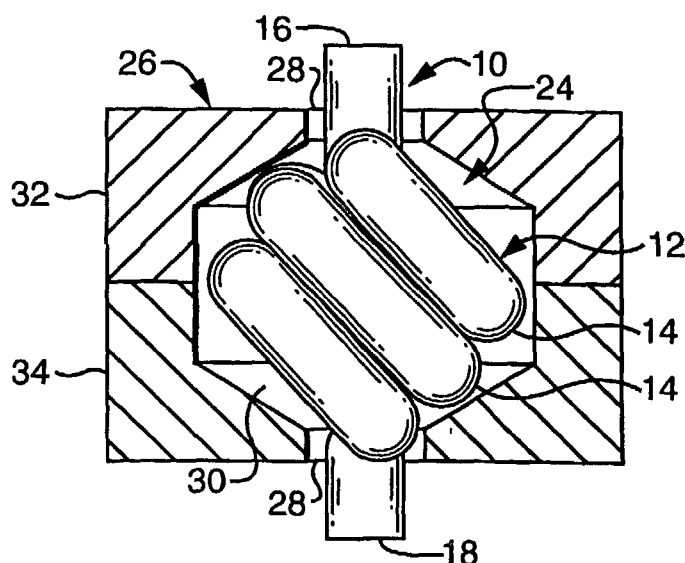
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(54) Title: COMPLIANT ELECTRICAL CONTACT



(57) Abstract: A compliant electrical contact (10) having a closed coil (12) with opposed, paraxial leads (16, 18) extending therefrom at an angle from the axis (38) of the coil (12). The electrically shorted loops (14) of the coil (12) slide on the surfaces of one another as axial force is applied to the ends of the leads (16, 18), providing compliance. The contact (10) can be made extremely small such that pitches in the micrometer range can be achieved with very low inductance values. The contact (10) is a component of an assembly where it is installed in a through aperture (24) in a dielectric sheet (26). The coil (12) fits into a larger center section (30) of the aperture (24). The leads (16, 18) extend from opposed openings (28) of the aperture (24). Optionally, the aperture (24) is filled with a compliant, conductive elastomer (36).



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