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(54) Title: ELECTRICAL CONNECTOR HAVING IMPEDENCE TUNING RIBS

(57) Abstract: An electrical connector is provided that includes a connector housing supporting a plurality of electrical contacts. The electrical contacts are edge-coupled along a column direction, and spaced apart along a row direction so as to define a space that is defined by adjacent electrical contacts along the row direction. The electrical connector includes at least one rib disposed in the space. The rib has a dielectric constant greater than air such that the dielectric constant of the space is increased with respect to a substantially identical space that is filled only with air. The increased dielectric constant reduces the impedance of the electrical connector.

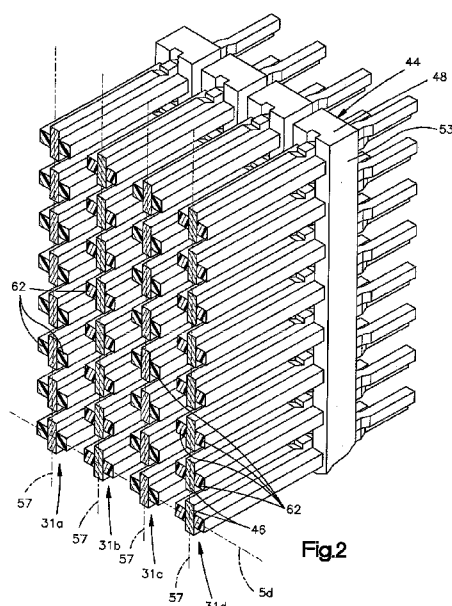


Fig.2

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