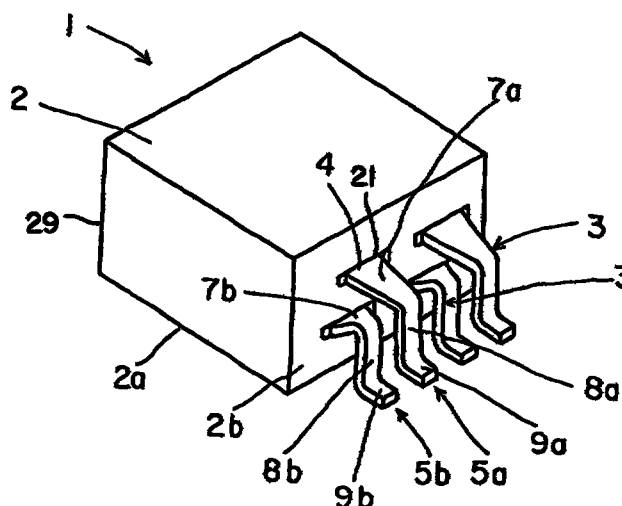




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(54) Title: CONNECTOR WITH TWO ROWS OF TERMINALS HAVING TAIL PORTIONS WITH SIMILAR IMPEDANCE



(57) Abstract

An improved electrical connector has a series of terminals arranged in two parallel rows in the connector housing, with the terminals being separated into upper and lower levels. The tail portions of the upper terminals have intermediate portions that are bent down to descend obliquely from the rear side of the connector housing while the tail portions of the lower terminals have corresponding intermediate portions that are bent up to rise obliquely from the rear side of the connector housing. The intermediate portions of the upper and lower rows of terminals meet with the solder tail portions of the tail portions along a common length so that the tail portions of both upper and lower rows have the same electrical length. The intermediate portions of both rows of terminals are also tapered, or flared along their length so that they have a larger surface area where they exit the connector housing than where they join to their associated solder tail portions. This tapering also assists in maintaining a desired impedance of the connector tail.