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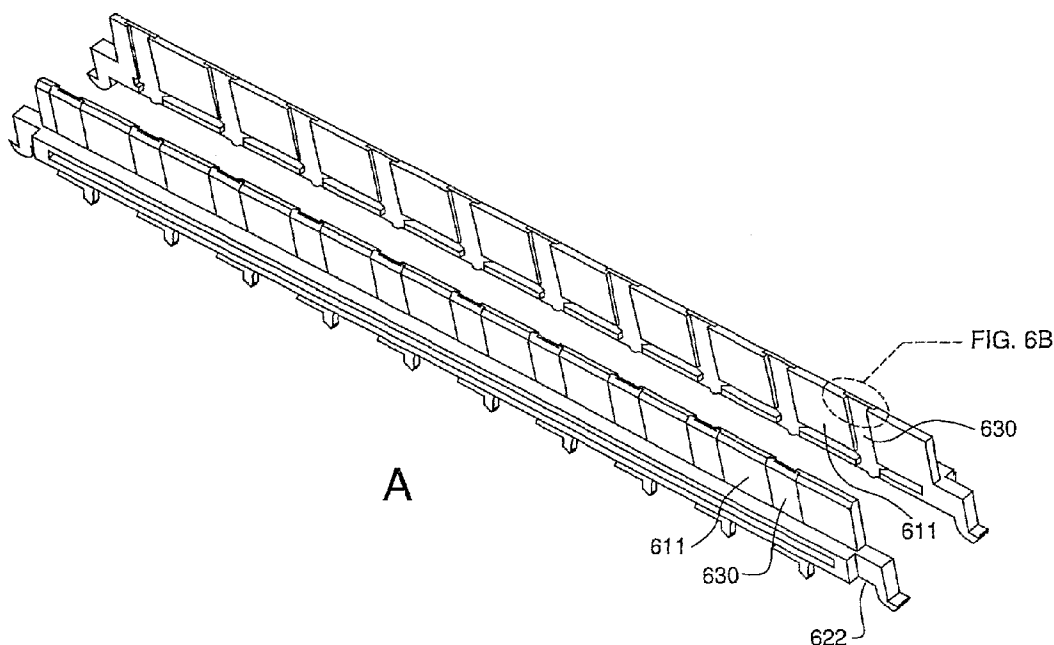
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(54) Title: IMPEDANCE CONTROL IN ELECTRICAL CONNECTORS



(57) Abstract: The invention provides a high speed connector wherein differential signal pairs are arranged so as to limit the level of cross talk between adjacent differential signal pairs. The connector comprises lead frame assembly having a pair of overmolded lead frame housings. Each lead frame housing has a respective signal contact extending therethrough. The lead frame housings may be operatively coupled such that the signal contacts form a broadside-coupled differential signal pair. The contacts may be separated by a gap having a gap width that enables insertion loss and cross talk between signal pairs to be limited.

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