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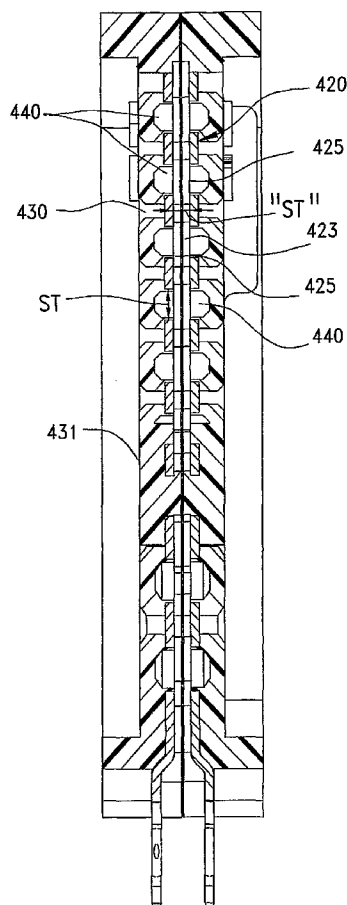
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(54) Title: HIGH-DENSITY, ROBUST CONNECTOR WITH CASTELLATIONS



(57) Abstract: A high speed connector includes a plurality of wafer-style components (400) in which two columns of conductive terminals (420) are supported in an insulative support body, the body including an internal cavity (133) disposed between the two columns of conductive terminals. The terminals are arranged in horizontal pairs, and the internal cavity defines an air channel between each horizontal pair of terminals arranged in the two columns of terminals. The pairs of terminals are further aligned with each other so that horizontal faces of the terminals in each pair face each other to thereby promote broadside coupling between horizontal pairs of terminals. The components further include vertical castellations (440) between adjacent terminals in order to provide electrical isolation to adjacent pairs of terminals.



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