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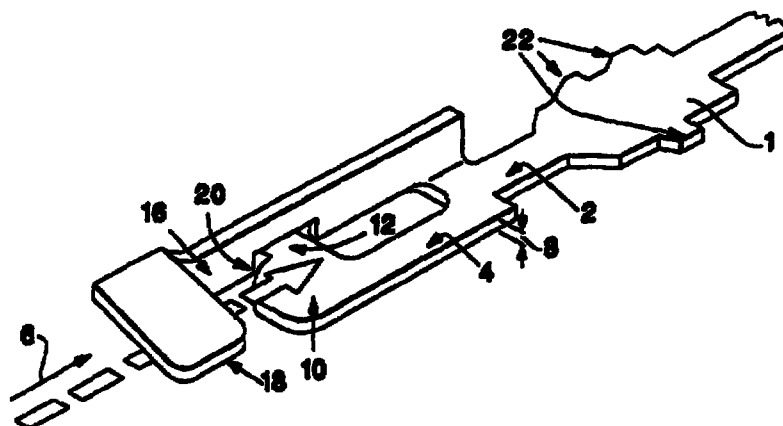
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(54) Title: HIGH DENSITY CONNECTOR RECEPTACLE



(57) Abstract

An electrical socket contact which is connectable to a pin contact by insertion movement of the pin contact into the socket contact in an insertion direction. The socket contact includes: a body portion having elements for securing the socket contact in an opening in a receptacle housing so that the body portion is fixed in position in the receptacle; a first beam cantilevered to the body portion; a second beam having a proximal end cantilevered to the first beam and having a distal end spaced a distance from the first beam in a direction away from the first beam and parallel to the insertion direction; a first contact element located at the distal end of the second beam; a support arm secured to the proximal end of the second beam and having a distal end spaced a distance from the proximal end of the second beam in a direction away from the first beam and parallel to the insertion direction; and a second contact element located at the distal end of the support arm. The first and second beams are both flexible in a first direction transverse to the insertion direction and, during insertion of a contact pin into the socket, the pin moves the contact elements away from one another in the first direction.