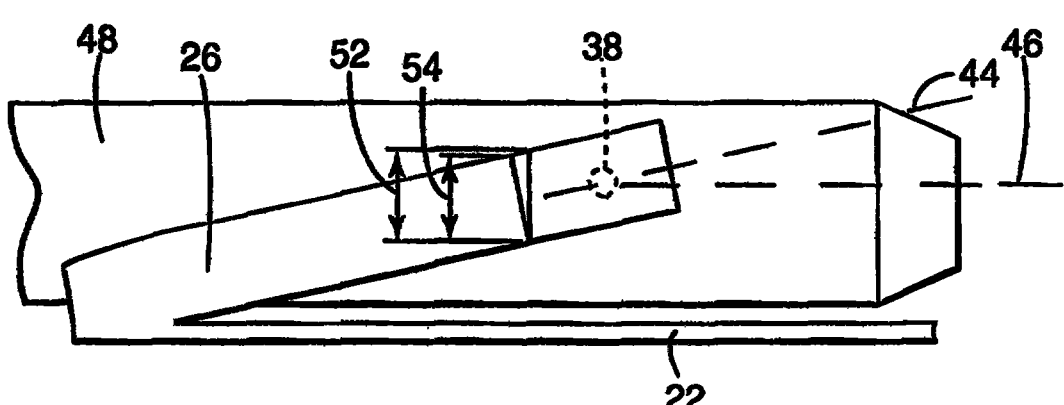




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>6</sup> :</b><br><b>H01R 13/115, 23/70</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 99/31767</b><br><b>(43) International Publication Date:</b> 24 June 1999 (24.06.99)                                                              |
| <b>(21) International Application Number:</b> PCT/US98/07513<br><b>(22) International Filing Date:</b> 13 April 1998 (13.04.98)<br><br><b>(30) Priority Data:</b><br>08/990,037 12 December 1997 (12.12.97) US<br><br><b>(71) Applicant:</b> MINNESOTA MINING AND MANUFACTURING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).<br><br><b>(72) Inventor:</b> FELDMAN, Steven; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).<br><br><b>(74) Agents:</b> MCNUTT, Matthew, B. et al.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).                                                     |           | <b>(81) Designated States:</b> JP, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).<br><br><b>Published</b><br><i>With international search report.</i> |
| <b>(54) Title:</b> ELECTRICAL FEMALE CONTACT WITH INCLINED CONTACT ARMS<br><br><br><br><b>(57) Abstract</b><br><br>A stamped electrical socket contact for connection to a contact pin which is inserted along a pin insertion axis, and a method for forming such a socket contact. The socket contact includes a body portion from which a first longitudinal beam and a second longitudinal beam extend. The first and second beams are positioned about a central plane. When viewed from a direction normal to the central plane, the first and second beams intersect the pin insertion axis at an acute angle. |           |                                                                                                                                                                                                      |