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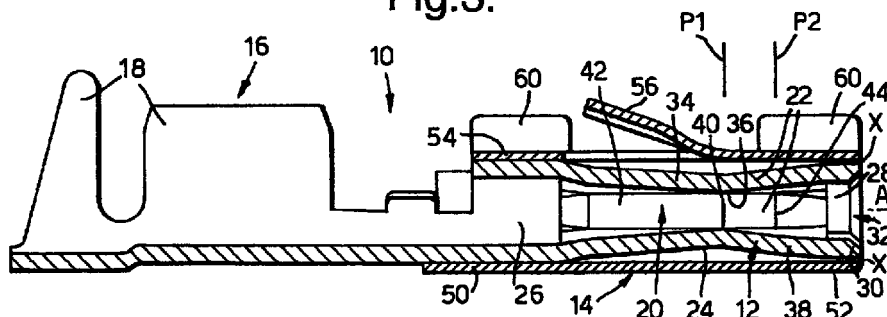
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(54) **Electrical female terminal**

(57) An electrical female terminal (10), for mating with an electrical terminal pin, comprising a socket member (12) and a sleeve (14) substantially surrounding the socket member; wherein the socket member is substantially tubular with a longitudinal axis (A) and comprises first and second pairs of spring arms (22,24) which extend in the longitudinal direction to define walls of a bore (20) for receiving the terminal pin; an annular member (26) at one end of the bore connected with the spring arms; a first arcuate member (28) at the other end of the bore connected to the first pair of spring arms; and a second arcuate member (30) at the other end of bore connected to the second pair of spring arms; the first and second arcuate members defining an opening (32) which is substantially circular through which the terminal pin can pass; first spring arms

(34,38) of the first and second pairs of spring arms being bent inwardly to define opposed contact edges (36,40); second spring arms (42,46) of the first and second pair of spring arms being bent inwardly to define opposed contact edges (44,48); the contact edges of the first spring arms lying in a first plane (P1) substantially perpendicular to the longitudinal axis; the contact edges of the second spring arms lying in a second plane (P2) substantially perpendicular to the longitudinal axis and axially spaced from the first plane; and wherein the sleeve engages the annular member at one end (50) and has a predetermined minimum clearance (X) with the arcuate members at the other end (52). Reduces the force required to insert the terminal pin.

Fig.3.





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EUROPEAN SEARCH REPORT

Application Number
EP 99 20 2556

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 31 October 2000	Examiner Berg, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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