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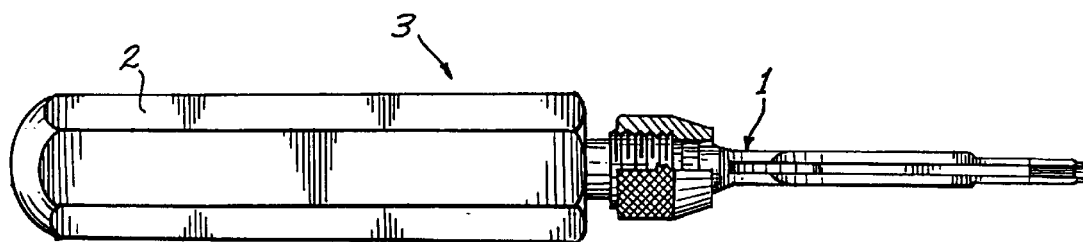
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(54) **Electrical connector insertion tool having a specially configured probe with visual indicator**

(57) An insertion tool which utilizes a specially configured insertion probe for installing or assembling electrical contacts into an electrical connector. The insertion probe tip is geometrically shaped and constructed to be fixedly received within the electrical contact barrel. Also,

a vivid red colored visual indicator strategically positioned behind the insertion probe tip functioning as a barometer to the Operator or Assembly so as to correct the insertion depth or travel of the insertion probe.



*Fig. 1.*

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# EUROPEAN SEARCH REPORT

Application Number  
EP 97 20 3564

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 4 631 817 A (BAILEY TIMOTHY F ET AL) 30 December 1986	1,2,5,6	H01R43/22
Y	* column 2, line 28 - column 4, line 5 * ---	3,4	
X	US 4 171 565 A (BIREN MARVIN A ET AL) 23 October 1979	1,2,6	
A	* column 3, line 13 - column 4, line 24 * ---	5	
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Y	US 4 781 619 A (IKEDA TOMOHIRO) 1 November 1988 * abstract * * column 2, line 7 - line 13 * -----	3,4	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01R
Place of search		Date of completion of the search	Examiner
THE HAGUE		16 April 1999	Demo1, S
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P4/C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 20 3564

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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16-04-1999

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