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(54) RAM drive mechanism

(57) A ram drive mechanism for an automated terminal crimping machine of the type having a rotating crank shaft with an offset crank pin (2) protruding therefrom and orbiting about the rotation axis of the crank shaft. The mechanism includes a ram (20) mounted for reciprocating motion in a first direction toward a crimping zone and in a second direction away from a crimping zone. The ram (20) carries tooling for performing a terminal crimping operation. The mechanism also includes a ram drive linkage comprising a drive link (40) having a pivotal

connection with the crank pin (2) at one end. Another end of the drive link (40) has a pivotal connection with a link pin (50). The drive linkage reciprocates the ram (20) in accordance with orbiting of the crank pin (2). The ram (20) is arranged such that the one end of the drive link (40) is disposed relatively further in the first direction than the other end of the drive link (40), whereby the drive link (40) is in tension during the reciprocation of the ram (20) toward the crimping zone.

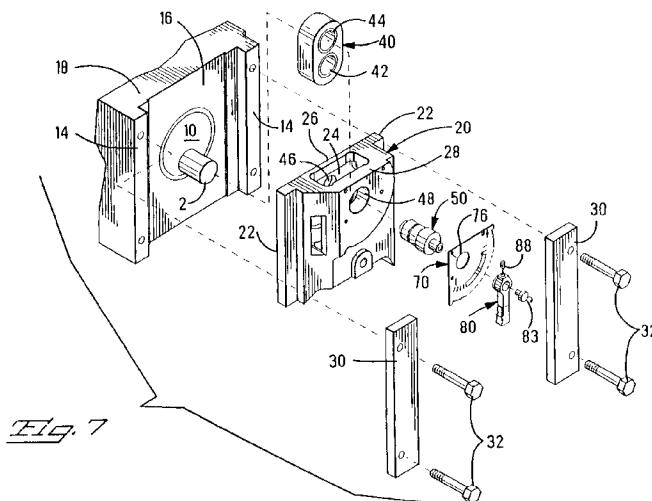


Fig. 7

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EUROPEAN SEARCH REPORT

Application Number
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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.5)
A	EP-A-0 505 026 (AIDA ENG LTD) 23 September 1992 ---		H01R43/048 B30B1/26 B30B15/00
A	US-A-4 138 904 (OTSUKA TSURUO ET AL) 13 February 1979 ---		
A	US-A-2 426 155 (RODE) 19 August 1947 ---		
A	EP-A-0 378 514 (EICH DIETER KURT) 18 July 1990 -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.5) H01R B30B
Place of search THE HAGUE		Date of completion of the search 29 January 1996	Examiner Horak, A
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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