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## EUROPEAN PATENT APPLICATION

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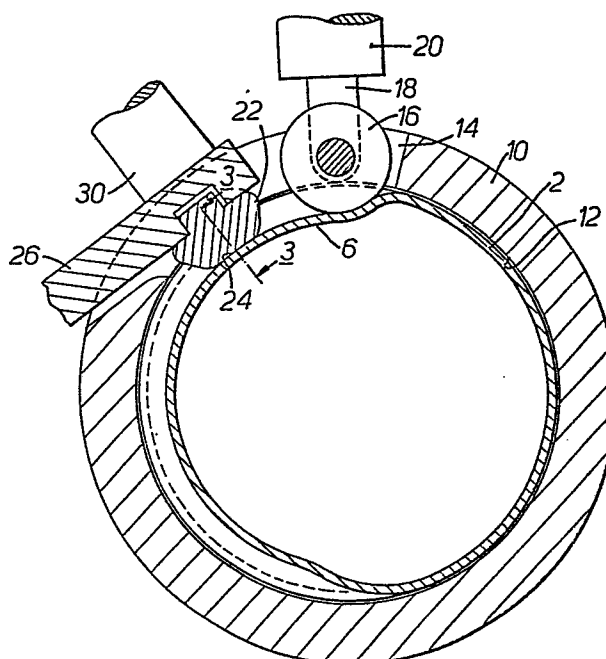
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### 54 Forming helical grooves in tubes.

57 A method and apparatus for forming helical grooves (6) in the outer surface of stainless steel tubes (2). The technique utilizes a forming roller (16), which forms the groove and a shoe (22) follows in the groove which has just been formed a short distance behind the roller so as to eliminate buckling of the tube.





European Patent  
Office

# EUROPEAN SEARCH REPORT

0099737

EP 83 30 4117

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. <sup>3</sup> )
A	THE OFFICIAL GAZETTE OF THE UNITED STATES PATENT OFFICE, Vol. 52, No. 12, September 16, 1890, page 1713, WASHINGTON (US).  & US-A-436 463 (RICHARD)  ---	1,5	B 21 D 15/04
A	GB-A- 896 163 (ASS. ELECTRICAL IND.)  * Page 2, lines 89-116; figures 1,2 *	1,5	
A	US-A-3 928 997 (LAWS)  -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl. <sup>3</sup> )
			B 21 D B 31 F B 29 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 06-02-1985	Examiner RIS
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	