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54 Manufacture of tubular components.

A method and apparatus for push-pointing a tube (12) so as to produce a smaller diameter end portion includes means (16) for sizing and finishing the reduced diameter portion utilizing a healed mandrel located in the tube and withdrawn

through the reduced diameter portion whilst the latter is engaged in the push-pointing die (16). Figure 5 shows the push-pointing step completed, and the mandrel engaged with the die ready to begin the internal sizing operation.



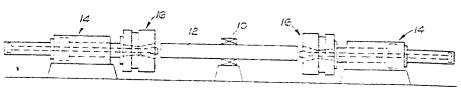


Fig. 1



EUROPEAN SEARCH REPORT

Application number

EP 85 30 8921

DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document with indication, where appropriate, Relevant				OLARGIEIOATION OFTEN
Category		th indication, where appropriate, vant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
х	GB-A-2 068 857 * figures 1-3, c	· ·	1,2,4,	B 21 C 1/26
A	EP-A-0 106 751 * claim 1 *	(Y. PENCE)	1	
А	FR-A-2 473 916 INDUSTRIELLE ET TUBES) * claim 1 *		1	
				TECHNICAL FIELDS SEARCHED (Int. CI 4)
				B 21 C 1/00 B 21 C 37/00 B 21 D 53/00 B 21 K 1/00
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	The present search report has t	peen drawn up for all claims		
	Place of search Date of completio		iron	Examiner
	BERLIN	27-11-1986	SCHL	AITZ J
Y: pa do A: tea O: no	CATEGORY OF CITED DOCI rticularly relevant if taken alone rticularly relevant if combined w cument of the same category chnological background in-written disclosure termediate document	E earlie after vith another D : docu L : docu	the filing date ment cited in the apment cited for other ment cited for other	but published on, or plication