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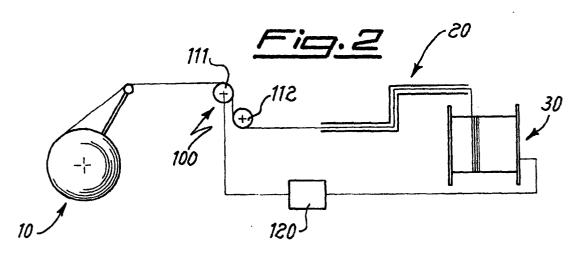
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(54) Method and associated apparatus for reducing the tension of wires during a strand production process

(57) Method for reducing the tension of wires during a process for production of a strand using said wires, comprising the steps of unwinding at least one wire (1) from a supply reel, feeding the unwound wire (1) to a stranding machine which pulls the wire, winding it onto

a take-up reel (31) at a predetermined winding speed, said at least one wire being subjected to a pulling/pushing action in the same sense as the direction of feeding thereof, along the section of the travel path between the supply reel and the point of entry into the stranding machine.





EUROPEAN SEARCH REPORT

Application Number

EP 03 07 5183

Category	Citation of document with indication	n, where appropriate,	Relevant	CLASSIFICATION OF THE
	of relevant passages	······	to claim	APPLICATION (Int.CI.7)
X	EP 0 352 049 A (SUMITOM	O WIRING SYSTEMS)	1-3,9,20	H01B13/02
	24 January 1990 (1990-0	1-24)	4.0	
A	* column 2, line 40 - c figures 1-4 *	olumn 5, line 48;	4-8, 10-19, 21-28	
	rigures 1-4 *			
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				TECHNICAL FIELDS
				SEARCHED (Int.Cl.7)
				H01B
	The present search report has been do	rawn up for all claims		
	Place of search	Date of completion of the search		Examiner
THE HAGUE		7 October 2003		
	ATEGORY OF CITED DOCUMENTS		ple underlying the i	
			ocument, but publis	
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EP 03 07 5183

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0352049	A	24-01-1990	JP CA CN DE DE EP KR US	2027623 A 1318220 C 1039499 A 68915881 D1 68915881 T2 0352049 A1 9201937 B1 5003761 A	30-01-1990 25-05-1993 07-02-1990 14-07-1994 06-10-1994 24-01-1990 07-03-1992 02-04-1991
***************************************					02-04-1991

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82