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54 **Spool winding system.**

57 The invention concerns a fine metal wire winding system, in particular for continuous electric welding wires; the system comprises a spool (3) having a central core (4) for winding up the wire (12), and lateral flanges (5), said core (4) consisting of angularly-spaced portions of cylindrical surfaces (4a). A chuck is also provided, having wire-supporting members (11) arranged concentrically and insertable between said surface portions (4a) of the core (4) so as to complete the cylindrical surface of the core (4) of the spool for winding the wire; the wire-supporting members (11) are provided, on the outer side (11a), or wire-supporting side, with transversal grooves or scorings (13) with a helical flow, defining paths for winding the wire.

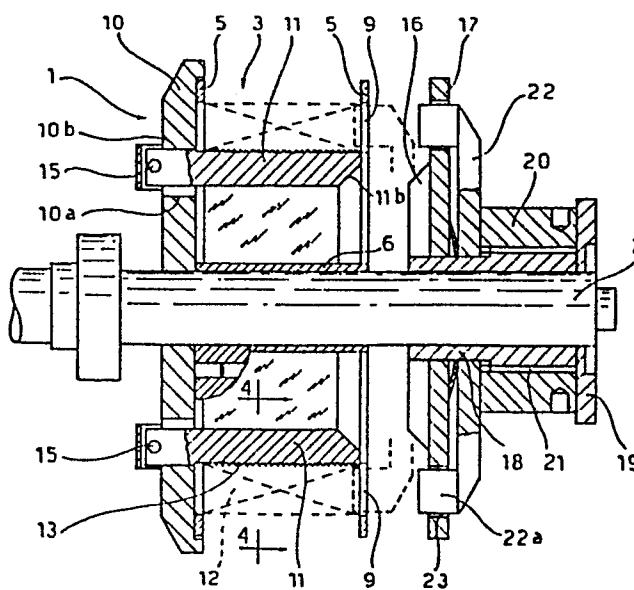


Fig. 3



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 84115105.3
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	EP - A1 - 0 064 894 (TREFILIERIES ET ATELIERS) * Totality * --	1,13,14	E 05 H 75/14 B 65 H 75/20 B 65 H 54/54
A	US - A - 4 411 394 (STARVASKI et al.) * Totality * --	1,2,3,4,5,11,12	
A	GB - A - 1 077 045 (INTERNATIONALE LASPRODUCTEN) * Totality * --	7,8,9	
A	US - A - 4 354 645 (GLAVAS et al.) * Totality * --	7,8,9	
A	CH - A - 618 141 (SE. D'USINAGE DES TUBES) * Totality * --		TECHNICAL FIELDS SEARCHED (Int. Cl. 4) B 21 C 47/00 B 65 H 54/00 B 65 H 75/00
A	US - A - 2 529 185 (PROCTOR) * Totality * -----		
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 08-07-1986	Examiner SCHATEK
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			