

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



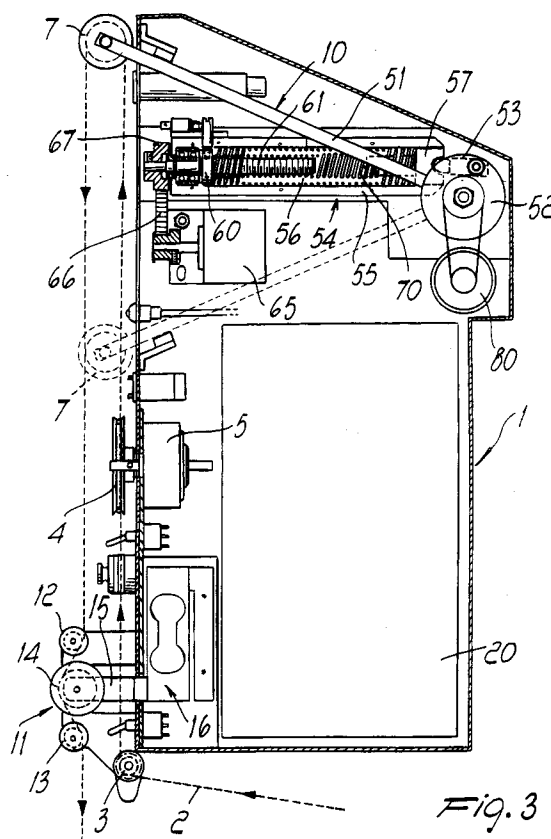
(11) Publication number:

0 424 770 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **90119693.1**(51) Int. Cl.⁵: **B65H 59/16, H01F 41/06**(22) Date of filing: **15.10.90**(30) Priority: **25.10.89 IT 2212489**(43) Date of publication of application:
02.05.91 Bulletin 91/18(84) Designated Contracting States:
CH DE ES FR GB IT LI SE(86) Date of deferred publication of the search report:
29.04.92 Bulletin 92/18(71) Applicant: **MARSILLI & CO. S.P.A.**
Via per Ripalta Arpina**I-26012 Castelleone (Cremona)(IT)**(72) Inventor: **Parati, Gian Battista**
Via Chiosi, 4
I-26012 Castelleone (Prov. of Cremona)(IT)
Inventor: **Bertolone, Alberto**
Via Del Gelso, 8
I-20077 Dresano (Prov. of Milan)(IT)(74) Representative: **Modiano, Guido et al**
MODIANO, JOSIF, PISANTY & STAUB
Modiano & Associati Via Meravigli, 16
I-20123 Milano(IT)(54) **Programmable self-adjusting device for tensioning wires during winding.**

(57) The present invention relates to a programmable self-adjusting device for tensioning wires during winding which has the peculiarity of comprising, in the direction of advancement of a wire (2) to be wound, a pre-braking device (3) for tensioning the wire (2) which winds on a brake pulley (4) downstream of which there is a transmission roller (7) which is supported by a compensating arm (10). At the exit from the transmission roller (7), the wire engages a wire tension sensing unit (11) which drives the brake pulley (4).

*Fig. 3***EP 0 424 770 A3**



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 11 9693

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)
X	DE-A-3 536 363 (SIEMENS AG) * column 3, line 2 - line 60 *	1	B 65 H 59/16 H 01 F 41/06
A	— — —	3,4	
A	US-A-3 113 746 (R.C.STEEN) * column 1, line 62 - column 3, line 51 *	1-3	
A	— — —		
A	US-A-3 797 775 (E.F.WHITE) * column 2, line 17 - column 4, line 25 *	1-3	
A	— — —		
A	GB-A-2 137 237 (TANAC ENGINEERING K.K.) * page 1, line 96 - page 2, line 20 * * page 5, line 7 - line 63 *	1,2,4,5	
	— — — — —		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 65 H H 01 F
Place of search		Date of completion of search	Examiner
The Hague		26 February 92	GOODALL C.J.
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
Y: particularly relevant if combined with another document of the same category		D: document cited in the application	
A: technological background		L: document cited for other reasons	
O: non-written disclosure			
P: intermediate document		&: member of the same patent family, corresponding document	
T: theory or principle underlying the invention			