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(54) **Traction device for use in the manufacturing process of ornamental chains**

(57) A device for exerting a traction of a chain (2) getting out of a manufacturing machine, fit to be connected to the chain (2) to keep it in traction with its own weight. The device comprises a drive roller (3), motor means (5) for controlling the rotation of drive roller (3), a movable pushing roller (4), elastic means (9) for keeping pushing roller (4) pushed against drive roller (3) with the interposition of chain (2). As a consequence of the friction between chain (2) and rollers (3, 4), the device is steady with respect to the chain when drive roller (3) is blocked, whereas it slides up with respect to chain (2) when drive roller (3) is rotated by motor means (5). Sensor means are associated to motor means (5) for controlling the rotation of drive roller (3) as a function of the level of the device.

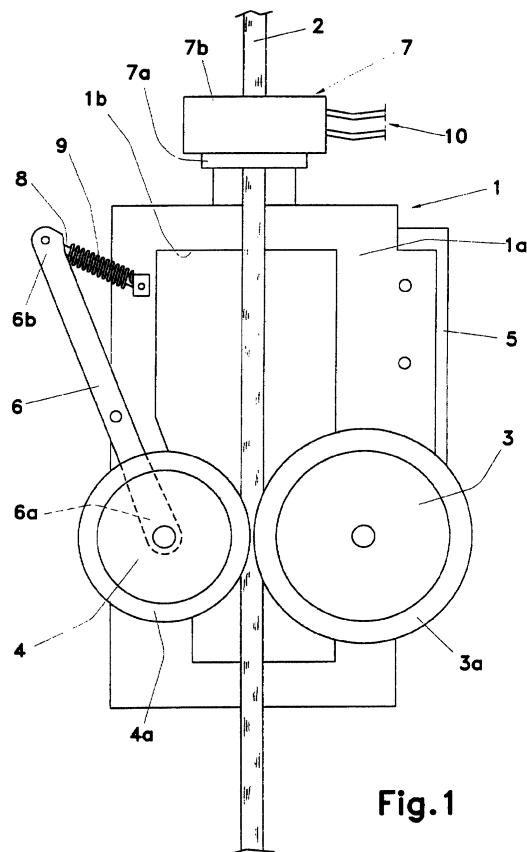


Fig. 1



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EUROPEAN SEARCH REPORT

Application Number
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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.7)
A	US 5 388 750 A (PAOLERCIO ANTHONY ET AL) 14 February 1995 (1995-02-14) * column 2, line 36-42; figure 1 * * column 6, line 57 - column 7, line 2; figure 6 *	1	B21L11/00 B21L19/00 B66D5/16
A	US 3 680 839 A (MATTINSON FREDERICK) 1 August 1972 (1972-08-01) * column 3, line 8-47; figures 6,7 *	1	
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B21L F16H F16B B66D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12 June 2001	Examiner Marc Augé
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82