

Title (en)

Device for producing yarn with randomly arranged and/or designed effects.

Title (de)

Vorrichtung zur Erzeugung eines Garnes mit zufällig angeordneten und/oder ausgebildeten Effekten.

Title (fr)

Dispositif pour la production de fil ayant des effets arrangés et/ou formés au hasard.

Publication

EP 0299463 A1 19890118 (DE)

Application

EP 88111239 A 19880713

Priority

DE 3723243 A 19870714

Abstract (en)

[origin: EP0299463B1] 1. Device for generating a yarn having randomly arranged and/or formed designs, comprising (a) cop means rotative about a rotational axis, for winding up the yarn on a winding body (16) and cop driving means (18) for driving the cop means about this rotational axis, (b) first threads guiding means (12) arranged on said rotational axis of the cop means for guiding ground threads (10), these ground threads being twisted by rotating the cop means for forming a yarn and wound up on said winding body (16), characterized in that (c) second thread guiding means (44) hold by holding means (30, 32) and arranged between the first thread guiding means (12) and the cop means and movable along the ground threads (10), said ground threads (10) being guided through said second thread guiding means (44), (d) means (24) for supplying a design yarn thread (20, 22), (e) means for guiding the design yarn thread through said second thread guiding means (44) for twisting with the ground thread (10) owing to rotation of the cop means, (f) driving means (34) for reciprocating the holding means (30, 32) substantially along the ground threads (10), and (g) control means (50) for controlling the driving means (34), the control means comprising random generator means, thereby the reciprocating movement of the holding means being effected randomly.

Abstract (de)

Bei einem Garn sollen zufällig angeordnete und ausgebildete Effekte durch ein Zusatzgerät zu der Verzwirnungseinrichtung erzeugt werden. Zu diesem Zweck wird ein Effektfaden (20) über einen schwenkbaren, sich quer zur Laufrichtung der Grundfäden (10) erstreckenden Effekthebel (30) mit den Grundfäden (10) auf den Kops (16) der Verzwirnungseinrichtung geführt. Der Effekthebel (30) ist durch einen Effekthebelantrieb (34) auslenkbar, so daß der Zufuhrpunkt (38) des Effektfadens (20) mit den Grundfäden mitgeführt wird. Der Effekthebelantrieb (34) ist von einer elektronischen Steuereinheit (50) mit einem Zufallsgenerator gesteuert.

IPC 1-7

D02G 3/34

IPC 8 full level

D02G 3/34 (2006.01)

CPC (source: EP US)

D02G 3/34 (2013.01 - EP US)

Citation (search report)

- [A] EP 0177009 A2 19860409 - MITSUBISHI RAYON CO [JP]
- [A] DE 2616786 A1 19761223
- [A] GB 2122229 A 19840111 - CHAVANOZ SA
- [A] FR 2315554 A1 19770121 - TOYO BOSEKI [JP]

Designated contracting state (EPC)

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