

Title (en)

Method and apparatus for coil winding control of a wire shaped element

Title (de)

Verfahren und Vorrichtung zur Spulenwicklensteuerung eines drahtförmigen Elements

Title (fr)

Procédé et appareil pour contrôler le bobinage d'un élément filiforme

Publication

**EP 0930626 A1 19990721 (EN)**

Application

**EP 98830020 A 19980120**

Priority

EP 98830020 A 19980120

Abstract (en)

A method and an apparatus for coil winding control of a wire have been devised, in which provision is made for a step of winding the wire round the support body (2) in order to generate a winding (4), a step of defining an ideal profile (15) of the winding (4), a step of detecting a real profile (11) of at least one winding (4) portion, a step of comparing the real profile (11) of the winding with the corresponding ideal profile and a subsequent step of correcting the detected real profile of the winding to make it consistent with the defined ideal profile (15). The described method and apparatus enable the real coiling profile to be determined, controlled and corrected, if needed, during winding without the operator's intervention. <IMAGE>

IPC 1-7

**H01F 41/06**; B65H 54/28

IPC 8 full level

**B65H 54/28** (2006.01); **H01F 41/06** (2006.01); **H01F 41/082** (2016.01)

CPC (source: EP)

**B65H 54/2878** (2013.01); **H01F 41/082** (2016.01)

Citation (search report)

- [XA] DE 19507020 A1 19960905 - BOLL PETER DR [DE], et al
- [XA] US 4456199 A 19840626 - SEIBERT GERHARD [AT]
- [A] GB 2221227 A 19900131 - CEAT CAVI SPA [IT]
- [A] US 4004744 A 19770125 - HOORELBEKE LUC
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 275 (E - 438) 18 September 1986 (1986-09-18)

Cited by

CN111370223A; NO344472B1; CN102468047A; CN110085416A; WO2020013702A1; US9463948B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0930626 A1 19990721**

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**EP 98830020 A 19980120**