

Title (en)

CONTACTLESS METHOD FOR CONTROLLING THE THICKNESS OF A PREPARATION LAYER APPLIED TO A YARN AND CIRCUIT ARRANGEMENT FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR BERÜHRUNGSLOSEN KONTROLLE DER DICKE EINER AUF EIN GARN AUFGEBRACHTEN PRÄPARATIONSSCHICHT UND SCHALTUNGSANORDNUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ DE RÉGULATION SANS CONTACT DE L'ÉPAISSEUR D'UNE COUCHE DE PRÉPARATION APPLIQUÉE SUR UN FIL, ET MONTAGE POUR METTRE EN OEUVRE LE PROCÉDÉ

Publication

EP 2331906 A1 20110615 (DE)

Application

EP 09748215 A 20090914

Priority

- DE 2009001302 W 20090914
- DE 102008047336 A 20080915

Abstract (en)

[origin: WO2010028642A1] The aim of the invention is to devise a contactless method for controlling the thickness of a preparation layer applied to a yarn and a circuit arrangement for carrying out said method which allow the monitoring and optionally the control of the preparation application online and continuously during the production process of the filament yarn spinning on every spinning nozzle and which also allows already existing textile machines to be retrofitted. According to the invention, the field effect is directly detected via the induction effect caused by it and without first compensating it. As a result of the induction effect, an electrical voltage which is proportional to the induction is generated and the electrical voltage is evaluated in terms of its level and curve. The invention also relates to a contactless method for controlling the thickness of a preparation layer applied to a yarn and to a circuit arrangement for carrying out said method.

IPC 8 full level

G01B 7/06 (2006.01); **G01N 33/36** (2006.01); **G01R 29/24** (2006.01)

CPC (source: EP)

G01B 7/06 (2013.01); **G01N 33/365** (2013.01)

Citation (search report)

See references of WO 2010028642A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010028642 A1 20100318; DE 102008047336 A1 20100325; DE 102008047336 B4 20100512; EP 2331906 A1 20110615

DOCDB simple family (application)

DE 2009001302 W 20090914; DE 102008047336 A 20080915; EP 09748215 A 20090914