

Title (en)

METHOD AND TEXTILE MACHINE FOR AUTOMATICALLY SETTING AND MAINTAINING A DEFINED DISTANCE BETWEEN A ROTATABLY MOUNTED CYLINDER AND A FURTHER COMPONENT

Title (de)

VERFAHREN UND TEXTILMASCHINE ZUR AUTOMATISCHEN EINSTELLUNG UND KONSTANTHALTUNG EINES DEFINIERTEN ABSTANDES ZWISCHEN EINER DREHBAR GELAGERTEN TROMMEL UND EINEM WEITEREN BAUTEIL

Title (fr)

PROCÉDÉ ET MACHINE TEXTILE DE RÉGLAGE AUTOMATIQUE ET DE MAINTIEN CONSTANT D'UNE DISTANCE DÉFINIE ENTRE UN TAMBOUR ROTATIF ET UN AUTRE COMPOSANT

Publication

EP 3959362 A1 20220302 (DE)

Application

EP 20704498 A 20200206

Priority

- DE 102019110654 A 20190425
- EP 2020052973 W 20200206

Abstract (en)

[origin: WO2020216482A1] The invention relates to a method for automatically setting and maintaining a defined distance between a rotatably mounted cylinder (4) and at least one further component of a textile machine, wherein: the cylinder and the at least one further component have a card clothing or a separating knife; the cylinder (4) and the at least one further component are connected to an electrical energy source but are electrically isolated from each other; at least one component is brought with the card clothing or separating knife thereof into contact with the card clothing of the cylinder (4), and at least one electrical contact is established, so that said distance (a) between the at least one component and the cylinder (4) is stored as a reference value in the machine controller, and the machine controller specifies a distance (a1, a2, a3) between the at least one component and the cylinder (4) as a command variable (F) for a regulator (R), and the regulator (R) actuates an actuator (A) by means of a control variable (S) to produce the distance (a1, a2, a3). The invention also relates to a textile machine.

IPC 8 full level

D01G 15/28 (2006.01)

CPC (source: EP)

D01G 15/28 (2013.01)

Citation (search report)

See references of WO 2020216482A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020216482 A1 20201029; CN 113454275 A 20210928; CN 113454275 B 20231027; DE 102019110654 A1 20201029; EP 3959362 A1 20220302

DOCDB simple family (application)

EP 2020052973 W 20200206; CN 202080014680 A 20200206; DE 102019110654 A 20190425; EP 20704498 A 20200206