

Title (en)
METHOD FOR CONTROLLING WINDING A WOVEN CLOTH AND APPARATUS FOR WINDING A WOVEN CLOTH IN LOOM

Title (de)
VERFAHREN ZUR STEUERUNG DES AUFWICKELNS EINES GEWEBES UND VORRICHTUNG ZUM AUFWICKELN EINES GEWEBES IN EINER WEBMASCHINE

Title (fr)
PROCÉDÉ DE COMMANDE D'ENROULEMENT D'UNE ÉTOFFE TISSÉE ET APPAREIL D'ENROULEMENT D'UNE ÉTOFFE TISSÉE DANS UN MÉTIER À TISSER

Publication
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Application
EP 15157933 A 20150306

Priority
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Abstract (en)
There is provided a method for controlling winding of a woven cloth (8) in a loom, wherein the cloth (8) delivered through a surface roller (2) is wound on a cloth roller (9) driven by a take-up motor (16) whose torque is controllable. The method includes the steps of setting a change command torque (21) that progressively increases or decreases a torque of the take-up motor (16), driving the take-up motor according to the change command torque (21) after setting the change command torque, detecting variation of rotation speed of the take-up motor (16), calculating load torque based on the change command torque (21), calculating winding torque based on tension and winding diameter of the cloth (8), calculating winding control torque by adding the load torque and the winding torque, and driving the take-up motor (16) according to the winding control torque. There is also provided an apparatus for winding of a woven cloth in a loom by the above-described method.

IPC 8 full level
D03D 49/20 (2006.01)

CPC (source: EP KR)
D03D 49/20 (2013.01 - EP KR)

Citation (applicant)
JP 2012001825 A 20120105 - TOYOTA IND CORP

Citation (search report)
• [AD] JP 2012001825 A 20120105 - TOYOTA IND CORP
• [A] EP 1215321 A2 20020619 - TSUDAKOMA IND CO LTD [JP]
• [A] EP 2199442 A1 20100623 - TOSHIBA MACHINE CO LTD [JP]

Cited by
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