

Title (en)

Warp feeding method and warp feeding device in loom

Title (de)

Kettfadenzuführverfahren und Kettfadenzuführvorrichtung in Webstuhl

Title (fr)

Procédé d'alimentation de chaîne et dispositif d'alimentation de chaîne dans un métier à tisser

Publication

EP 2479326 A3 20130522 (EN)

Application

EP 12000037 A 20120104

Priority

JP 2011010858 A 20110121

Abstract (en)

[origin: EP2479326A2] A warp feeding method in a loom in which a let-off device (5) and a take-up device (8) have a let-off motor (5c) and a take-up motor (8c) as driving sources, respectively, is provided. The let-off motor (5c) and the take-up motor (8c) are independent of a main driving motor of the loom. The method includes the steps of performing a warp feeding operation by driving the let-off motor (5c) and the take-up motor (8c) while the main driving motor is stopped; during the warp feeding operation, detecting a tension of a warp; comparing a warp tension value that is based on the detection with a previously set reference value of the tension of the warp; and if the warp tension value is not the reference value, performing tension control for returning the tension of the warp to the reference value in accordance with a previously set control mode in which the let-off motor (5c) and the take-up motor (8c) are control objects.

IPC 8 full level

D03D 51/00 (2006.01); **D03D 49/10** (2006.01); **D03D 49/20** (2006.01)

CPC (source: EP)

D03D 49/10 (2013.01); **D03D 49/20** (2013.01); **D03D 51/002** (2013.01); **D03D 51/005** (2013.01)

Citation (search report)

- [XYI] EP 0523581 A1 19930120 - BERGER LAHR GMBH [DE]
- [XYI] EP 1464745 A2 20041006 - TSUDAKOMA IND CO LTD [JP]
- [Y] EP 0796937 A2 19970924 - NUOVO PIGNONE SPA [IT]
- [A] EP 0376338 A2 19900704 - TOYODA CHUO KENKYUSHO KK [JP], et al
- [A] US 4817677 A 19890404 - DECONINCK FILIP [BE], et al

Cited by

CN107557975A; CN105350164A

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)

EP 2479326 A2 20120725; **EP 2479326 A3 20130522**; **EP 2479326 B1 20150610**; CN 102605518 A 20120725; CN 102605518 B 20150114; JP 2012149365 A 20120809; JP 5909042 B2 20160426

DOCDB simple family (application)

EP 12000037 A 20120104; CN 201110412855 A 20111213; JP 2011010858 A 20110121