

Title (en)

WEFT KNITTING MACHINE, AND CONTROL METHOD FOR MOBILE CARRIER IN THE WEFT KNITTING MACHINE

Title (de)

FLACHSTRICKMASCHINE SOWIE BETRIEBSVERFAHREN FÜR BEWEGLICHEN TRÄGER IN DER FLACHSTRICKMASCHINE

Title (fr)

MÉTIER À MAILLES CUEILLIES ET PROCÉDÉ DE COMMANDE POUR SUPPORT MOBILE DU MÉTIER À MAILLES CUEILLIES

Publication

**EP 2246466 A4 20130116 (EN)**

Application

**EP 08864134 A 20081225**

Priority

- JP 2008003943 W 20081225
- JP 2007333189 A 20071225

Abstract (en)

[origin: EP2246466A1] A flatbed knitting machine and a control method for a self-moving carrier in a flatbed knitting machine wherein when electric power source is shut off due to emergency stop or other circumstances, synchronization between a carriage and a self-moving carrier is kept so that the knitting can be properly restarted after release of the shut-off of the electric power source. When the electric driving power supplied to the carriage drive motor 6 is shut off due to electric power failure of the commercial AC source 20 or by the operation of the stop switch 22, the carriage 3 is decreased in speed and then stops. The controller 10 derived a predicted position of the carriage 3 and controls the carrier 13 so that a position of the carrier 13 can be synchronized with the predicted position. When the electric power supply is shut off in the middle of the carriage 3 being accelerated alone for e.g. reversal in direction, while the carrier 13 reaches the carrier start position, the carrier 13 is controlled to start up promptly so that the position of the carrier 13 can be synchronized with the predicted position of the decelerating carriage 3.

IPC 8 full level

**D04B 15/96** (2006.01); **D04B 35/10** (2006.01)

CPC (source: EP)

**D04B 15/96** (2013.01); **D04B 35/10** (2013.01)

Citation (search report)

- [AD] EP 0415512 A1 19910306 - IKENAGA CO LTD [JP]
- [A] DE 10334207 A1 20040226 - PRECISION FUKUHARA WORKS LTD [JP]
- [A] EP 1061168 A1 20001220 - TSUDAKOMA IND CO LTD [JP]
- See references of WO 2009081583A1

Cited by

WO2022158251A1; KR20230132830A

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 08864134 A 20081225**; CN 200880122862 A 20081225; JP 2008003943 W 20081225; JP 2009546953 A 20081225