Title (en)
METHOD OF SETTING WEFT TRAVEL INFORMATION FOR AIR JET LOOM

Title (de)
VERFAHREN ZUM EINSTELLEN VON SCHUSSFADENLAUFINFORMATIONEN FÜR LUFTDÜSENWEBMASCHINEN

Title (fr)
PROCÉDÉ DE RÉGLAGE D'INFORMATIONS DE DÉPLACEMENT DE TRAME DANS UN MÉTIER À TISSER À JET D'AIR

Publication
EP 3498900 A1 20190619 (EN)

Application
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Abstract (en)
The invention provides a method of setting weft travel information for an air jet loom, a jetting mode of each sub-nozzle (S) being determined based on weft travel information about an expected weft travel status allowing the weft travel status to be plotted in a travel line form in a graph region whose horizontal and vertical axes indicate a rotational angle of a loom main shaft (15) and a distance from a weft-insertion start position in a weaving-width direction, weft insertion being executed under weft-insertion conditions including the jetting mode and a target weft arrival timing. The method includes setting first and second positions on weft-supply and opposite sides; determining that the travel line is bent at first and second bend points at the first and second positions; and setting the second bend point using the rotational angle based on the target weft arrival timing, and the second position.

IPC 8 full level
D03D 47/30 (2006.01)

CPC (source: EP)
D03D 47/304 (2013.01)

Citation (applicant)
- JP S6392754 A 19880423 - TSUDAKOMA IND CO LTD
- JP 2017197497 A 20171102 - KAWASAKI KASEI CHEMICALS

Citation (search report)
- [X] EP 3156529 A1 20170419 - TOYOTA JIDOSHOKKI KK [JP]
- [A] EP 3144422 A2 20170322 - TOYOTA JIDOSHOKKI KK [JP]

Citation (examination)
EP 3470562 A1 20190417 - TSUDAKOMA IND CO LTD [JP]

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