Title (en)
METHOD FOR SELECTING NEEDLE AND WEFT KNITTING MACHINE

Title (de)
VERFAHREN ZUR NADELSELEKTION UND FLACHSTRICKMASCHINE

Title (fr)
PROCÉDÉ DE SÉLECTION D'AIGUILLE ET MACHINE DE TRICOTAGE DE TISSU DOUBLE FACE

Publication
EP 2116643 A4 20141119 (EN)

Application
EP 07849879 A 20071222

Priority
- JP 2007001460 W 20071222
- JP 2006349569 A 20061226

Abstract (en)
[origin: EP2116643A1] A method for selecting needles and a flatbed knitting machine that can shorten the carriage running stroke and enhance the knitting efficiency are provided. In the event that a cam system 4b on the right side only is used and a cam system 4a on the left side is not used, a preliminary needle selection section shown as shaded is provided on the right side end of the knitting width. Setting of the preliminary needle selection section and control related to the preliminary needle selection section are implemented by a controller 62. In the preliminary needle selection section, the first-step needle selection is conducted by a needle selecting mechanism 5b which trails the cam system 4b when the carriage 3 traverses the running direction to the right. When a trailing needle selecting mechanism 6a enters the preliminary needle selection section, the needle selecting mechanism 6a is controlled by the controller 62 so as not to disarray the preliminary needle selection state.

IPC 8 full level
D04B 15/96 (2006.01); D04B 15/36 (2006.01)

CPC (source: EP)
D04B 15/365 (2013.01); **D04B 15/70** (2013.01); **D04B 15/96** (2013.01)

Citation (search report)
- [A] GB 1519785 A 19780802 - STOLL & CO
- [AD] US 4409801 A 19831018 - SHIMA MASAHIRO [JP]
- [A] GB 2163185 A 19860219 - SCHIEBER UNIVERSAL MASCHF
- [A] US 4686839 A 19870818 - SCHMID FRANZ [DE]
- See references of WO 2008078415A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2116643 A1 20091111; **EP 2116643 A4 20141119**; **EP 2116643 B1 20160330**; CN 101553608 A 20091007; CN 101553608 B 20110420; JP 5161108 B2 20130313; JP WO2008078415 A1 20100415; WO 2008078415 A1 20080703

DOCDB simple family (application)
EP 07849879 A 20071222; CN 200780044039 A 20071222; JP 2007001460 W 20071222; JP 2008550965 A 20071222