



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
19.08.2015 Bulletin 2015/34

(51) Int Cl.:
D04B 1/24 (2006.01)

(43) Date of publication A2:
07.12.2011 Bulletin 2011/49

(21) Application number: **11004492.2**

(22) Date of filing: **01.06.2011**

(84) Designated Contracting States:
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 States:
BA ME

(30) Priority: **03.06.2010 JP 2010128266**

(71) Applicant: **Shima Seiki Manufacturing., Ltd.**
Wakayama 641-8511 (JP)

(72) Inventor: **Okuno, Masao**
Wakayama-shi
Wakayama 641-8511 (JP)

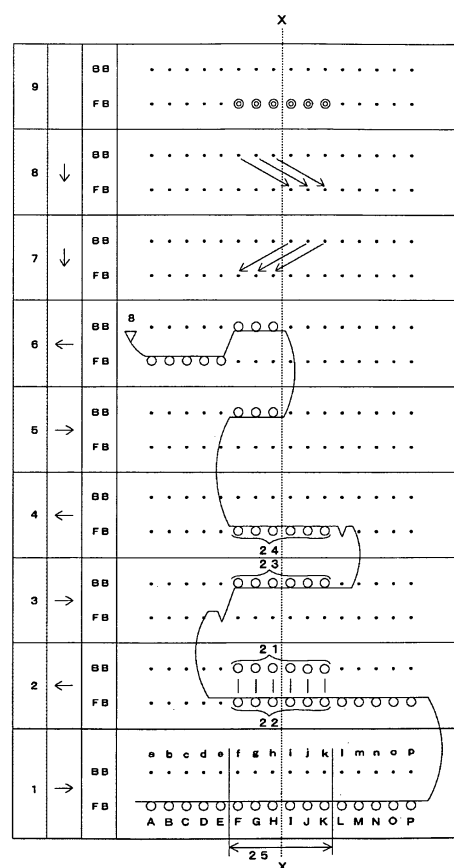
(74) Representative: **Emde, Eric**
Wagner & Geyer
Gewürzmühlstrasse 5
80538 München (DE)

(54) **Knitting method for a knitted fabric having a bifurcation part, and the knitted fabric**

(57) **[Object]** The present invention aims to provide a knitting method for knitting a bifurcation part of a knitted fabric in such a manner as to have an adequate tensile strength while giving a refined appearance when the stitches on the right and left sides are crossed, and the knitted fabric.

[Technical Solution] When a knitted fabric is divided into right and left parts at a bifurcation part by using a flatbed knitting machine, stitches are knitted on the front side within a bifurcation area. When widening stitches are knitted by using empty needles on the back side within the bifurcation area, the widening stitches and the stitches on the front side confronting the widening stitches are connected to each other. Then, new loops are successively knitted on the widening stitches, and the stitches on the front side which lie on either side of the boundary line of the bifurcation part are not crossed, while the stitches on the back side which lie on either side of the boundary line of the bifurcation part are crossed, whereby the bifurcation part is formed.

Fig. 2





EUROPEAN SEARCH REPORT

Application Number
EP 11 00 4492

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 253 229 A1 (SHIMA SEIKI MFG [JP]) 30 October 2002 (2002-10-30) * paragraph [0024] - paragraph [0035]; figures 2, 3 *	1-4	INV. D04B1/24
E	EP 2 366 819 A1 (SHIMA SEIKI MFG [JP]) 21 September 2011 (2011-09-21) * paragraph [0014] - paragraph [0027]; figures 1-7 *	1-4	
A	EP 0 490 694 A1 (SHIMA SEIKI MFG [JP]) 17 June 1992 (1992-06-17) * page 1, line 33 - page 3, line 16; figures 2.1-2.30 *	1-4	
			TECHNICAL FIELDS SEARCHED (IPC)
			D04B
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 July 2015	Examiner Braun, Stefanie
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 11 00 4492

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

08-07-2015

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1253229	A1	30-10-2002	AU	2402601 A	24-07-2001
			CN	1415032 A	30-04-2003
			EP	1253229 A1	30-10-2002
			JP	3967922 B2	29-08-2007
			US	2002170322 A1	21-11-2002
			WO	0151692 A1	19-07-2001

EP 2366819	A1	21-09-2011	CN	102191617 A	21-09-2011
			EP	2366819 A1	21-09-2011
			JP	5452791 B2	26-03-2014
			JP	2011190556 A	29-09-2011

EP 0490694	A1	17-06-1992	DE	69121857 D1	10-10-1996
			DE	69121857 T2	23-01-1997
			EP	0490694 A1	17-06-1992
			ES	2091304 T3	01-11-1996
			JP	2538421 B2	25-09-1996
			JP	H04214448 A	05-08-1992
			US	5417088 A	23-05-1995

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82