

Search history

Search 1: (CPC = (D05B23/009 OR D05B27/185)) AND (PD<20150128) (Results 158)

Search 2: 1 AND (FT = close# NEAR (toe OR sock)) (Results 75)

Search 3: 2 AND (FT = bar OR band) (Results 30)

Search 4: 3 AND (FT = elastic*) (Results 11)

Title: METHOD AND DEVICE FOR HANDLING A TUBULAR KNITTED ARTICLE, IN PARTICULAR A SOCK

Abstract: A method to orient a tubular knitted article, such as a sock or the like, with respect to a pocket of fabric, for example the heel or toe pocket of said article. The method comprises the phases of: stretching an article on a tubular member (1) so that an intermediate part of the **band** (F) surrounding an end to be sewn of said article (M) is positioned along a line intersecting in two points the end edge of the tubular member and the remaining part is disposed along the outer side surface of the tubular member; detecting the angular position of said **band** on the tubular member; identifying the position of a pocket of fabric of the article on the basis of the angular position of said **band** with respect to the tubular member.

Classifications:

International (IPC 8-9): A41B11/00 D04B9/40 D05B23/00

D05B25/00 D05B33/00 D05B35/00 D05B39/00 D05B5/00

D05B7/00 (Advanced/Invention);

D05B23/00 D05B33/00 D05B5/00 D05B7/00 (Advanced/Non-invention);

D04B9/00 D05B23/00 D05B25/00 D05B33/00 D05B39/00 D05B5/00

D05B7/00 (Core/Invention);

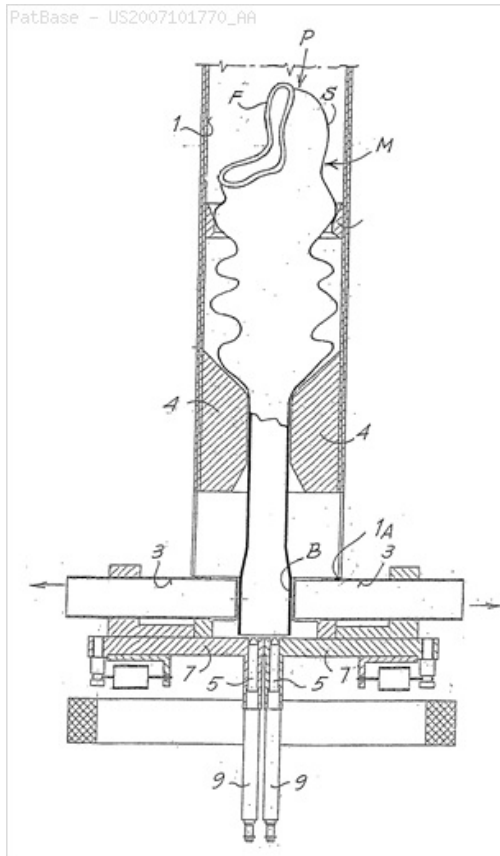
D05B (Subclass/Invention)

International (IPC 1-7): D05B23/00

CPC: D05B23/007 D05B33/00 D05B75/00 D05B23/009

European: D05B23/00M D05B23/00M4 D05B33/00 D05B75/00

US: 112/470.15 112/470.150P 112/475.12 112/475.120S 66/148



Family:

Publication number	Publication date	Application number	Application date
AT551456 E	20120415	AT20050823657T	20051207
BRPI0506130 A	20061024	BR2005PI06130	20050125
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RU2006116484 A	20060910	RU20060116484	20050125
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US2009038520 AA	20090212	US20050599971	20050314
US7290409 BB	20071106	US20050559716	20050125
US7677188 BB	20100316	US20050574276	20051207
WO05100664 A1	20051027	WO2005IT00137	20050314
WO05100665 A1	20051027	WO2005IT00036	20050125
WO06061870 A1	20060615	WO2005IT00722	20051207

Priority:

IT2004FI00090 20040416 IT2004FI00259 20041210 EP20050703278 20050125
WO2005IT00036 20050125 WO2005IT00137 20050314 EP20050823657 20051207
JP20070545114 20051207 WO2005IT00722 20051207

Probable Assignee: GOLDEN LADY CO SPA

Assignee(s): (std): GOLDEN LADY CO S P A ; GOLDEN LADY CO SPA ; GRASSI NERINO ; MAGNI ANTONIO ; GOLDEN LADY SPA ; GOLDEN LEJDI KOMPANI S P A

Assignee(s): GOLDEN LEJDI KOMPANI SPA ; GOLDEN LADY COMPANY S P A ; GOLDEN LADY S P A ; GOLDEN LADY CO JESI SPA

Inventor(s): (std): ANTONIO GRASSI NERINO MAGNI ; ANTONIO MAGNI ; GRASSI NERINO ; MAGNI ANTONIO ; MAN I ANTONIO ; NERINO GRASSI ; NERINO MAGNI ANTONIO GRASSI

Inventor(s): MAN'I ANTONIO ; MAGNI ANTONIO GRASSI NERINO ; GRASSI NERINO MAGNI ANTONIO

Agent(s): FETHERSTONHAUGH AND CO; GLAWE DELFS MOLL PARTNERSCHAFT MBB VON PATENT U RECHTSANWAELTEN; MANNUCCI MICHELE; ISERN JORGE; ETHEM NUSRET YONSEL; ETHEM NUSRET YONSEL KUYUMCU IRFAN SOKKUZU APT NO 9 5 SISLI ISTANBUL; MCGLEW AND TUTTLE PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHOD AND DEVICE FOR ORIENTING A TUBULAR KNITTED ARTICLES, SUCH AS A SOCK, ANGULARLY AROUND AN AXIS

Abstract: The device comprises: a tubular member (1); means (3, 5, 11) to insert and stretch a tubular knitted article (M) over the outside of said tubular member and over an end thereof; a control unit. It also comprises a crown (101) of detection elements cooperating with the end of the tubular member, and the control unit is programmed to determine the angular position of the tubular article stretched over the tubular member by reading the signal supplied by the detection elements in a definite reciprocal position of said tubular article, of said tubular member and of said detection elements.

Classifications:

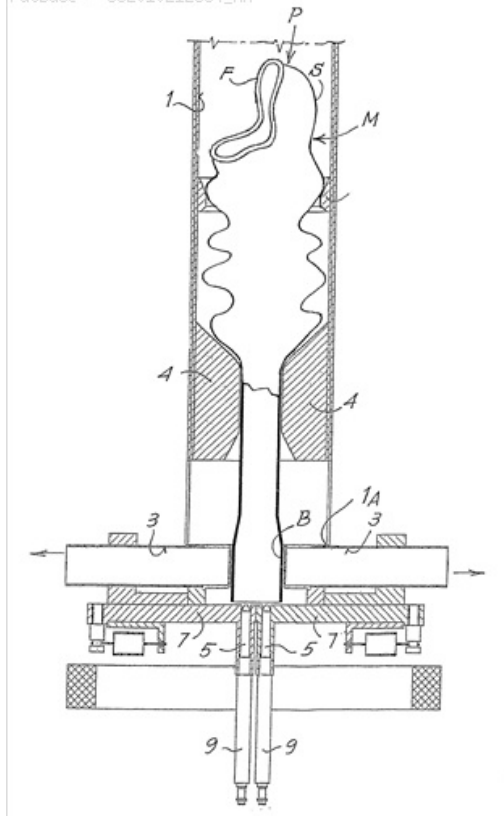
International (IPC 8-9): A41B11/00 A41B11/14 A41H43/02
D04B9/40 D04B9/46 D05B23/00 D05B33/00 (Advanced/Invention);
A41B11/00 D04B9/40 D04B9/46 (Advanced/Non-invention);
A41H43/00 D04B9/00 D05B23/00 (Core/Invention);
A41B11/00 (Core/Non-invention)

CPC: D05B23/009

European: D04B9/56 D05B23/00M4

US: 112/470.08 112/470.080S 112/475.04 112/475.040P 112/475.12 112/475.120S 66/148

PatBase - US2010212564_AH



Family:

Publication number	Publication date	Application number	Application date
AT447063 E	20091115	AT20060766342T	20060616
BRPI0612830 A2	20101130	BR2006PI12830	20060616
BRPI0612830 B1	20170620	BR2006PI12830	20060616
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CA2612671 C	20140513	CA20062612671	20060616
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CN101228305 B	20121003	CN200680026607	20060616
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EP1913189 A1	20080423	EP20060766342	20060616
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KR20080030036 A	20080403	KR20087001582	20060616
MX2007016256 A1	20080307	MX20070016256	20060616
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RU2008102363 A	20090727	RU20080102363	20060616
RU2401335 C2	20101010	RU20080102363	20060616
US2010212564 AA	20100826	US20060993077	20060616
US7908987 BB	20110322	US20060993077	20060616
WO06137097 A1	20061228	WO2006IT00459	20060616

Priority:

IT2005FI00141 20050623 WO2006IT00459 20060616

Probable Assignee: GOLDEN LADY CO SPA

Assignee(s): (std): GOLDEN LADY CO S P A ; GOLDEN LADY CO SPA ; GOLDEN LEJDI KOMPANI S P A ; GRASSI NERINO ; MAGNI ANTONIO

Assignee(s): GOLDEN LEJDI KOMPANI SPA ; GOLDEN LADY COMPANY S P A ; GOLDEN LADY COMPANY S P A JESI

Inventor(s): (std): ANTONIO MAGNI ; GRASSI NERINO ; MAGNI ANTONIO ; MAN I ANTONIO ; NERINO GRASSI

Inventor(s): MAN'I ANTONIO

Agent(s): FETHERSTONHAUGH AND CO; MANNUCCI MICHELE; MCGLEW AND TUTTLE PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
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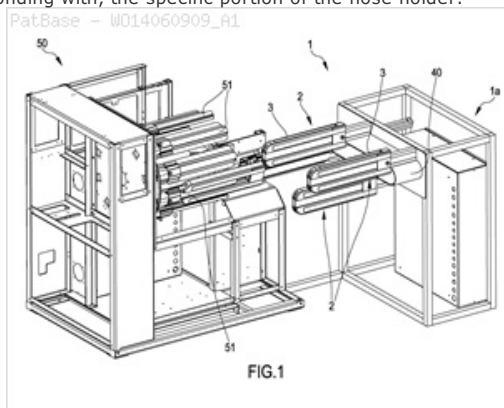
Title: A METHOD AND APPARATUS FOR LOADING AND TRANSFERRING TUBULAR TEXTILE PRODUCTS

Abstract: A method and an apparatus for loading and transfer of tubular textile products onto a **toe-closer** machine (50) for production of tights, comprising steps of: predisposing at least a hose loader (2) provided with at least a reference portion (3); at least partially loading a tubular product on the at least a hose loader (2), externally enveloping the tubular product on the hose loader, such that a reference position of the tubular product is aligned to, and/or orientated with respect to, and/or corresponds with, the reference portion (3) of the hose loader (2); positioning the hose loader (2) at and/or aligned with a hose holder (51) of a **toe-closer** machine (50), in such a way that the reference portion (3) of the hose loader (2) is aligned to, and/or orientated with respect to, and/or corresponds with, a specific portion of the hose holder (51); automatically transferring the tubular product from the hose loader (2) to the hose holder (51) by turning the tubular product inside-out and enveloping the product externally onto the hose holder, while maintaining the respective reference position of the tubular product aligned to, and/or orientated with respect to, and/or corresponding with, the specific portion of the hose holder.

Classifications:

International (IPC 8-9): D05B23/00 D06C5/00
D06G3/02 (Advanced/Invention)

CPC: D06C 5/005 D05B 23/009 D06G 3/02



Family:

Publication number	Publication date	Application number	Application date
EP2909370 A1	20150826	EP20130805562	20131009
ITMI201212775 A1	20140420	IT2012MI01775	20121019
WO14060909 A1	20140424	WO20131859237	20131009

Priority:

IT2012MI01775 20121019 WO2013IB59237 20131009

Probable Assignee: SANTONI AND C SPA

Assignee(s): (std): SANTONI AND C SPA

Assignee(s): SANTONI SPA

Inventor(s): (std): LONATI TIBERIO

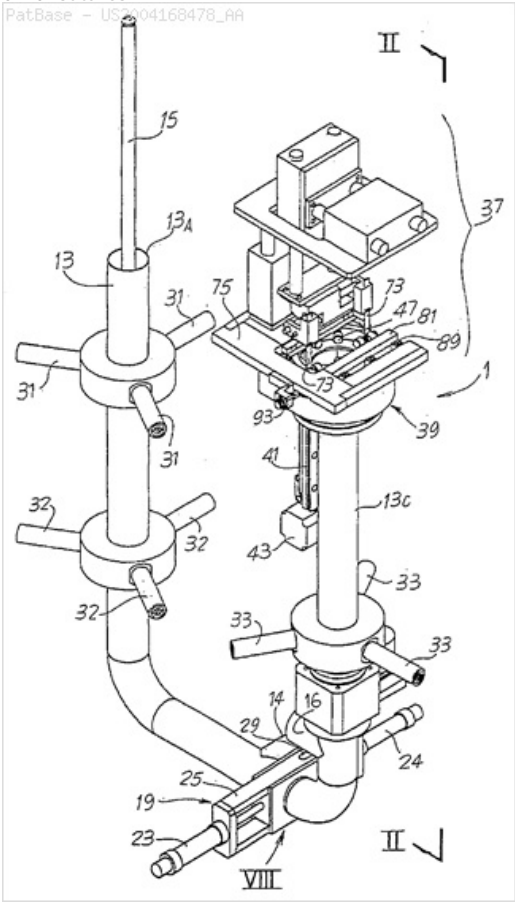
Agent(s): GALASSI ALESSANDRO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UB US UZ VC VN ZA ZW ZW

Title: METHOD AND DEVICE FOR THE PRODUCTION OF TUBULAR KNITTED ARTICLES AND IN PARTICULAR FOR **CLOSING** THE **TOE**

Abstract: Described herein is a method for forming a **closed toe** in a tubular knitted article, for example a sock, comprising the steps of: setting two end flaps (L1, L2) of the article (M) alongside one another; inserting, inside the loops of at least one first row (X2) of stitches of the flaps set alongside one another, a comb-like structure comprising a plurality of teeth (85); sewing (C) together the loops of at least one second row of stitches, which is set between the first row of stitches (X2) and the body of the tubular article (M); and opening the loops of the first row of stitches.

Classifications:
International (IPC 8-9): D04B15/00 D04B9/56 D05B23/00 D05B7/00 (Advanced/Invention); D04B9/56 (Advanced/Non-invention); D04B15/00 D04B9/00 D05B23/00 D05B7/00 (Core/Invention)
International (IPC 1-7): D04B15/00 D04B35/00 D04B9/56 D05B7/00
CPC: D04B9/40 D04B15/92 D05B7/00 D05B23/007 D05B23/009
European: D04B9/56 D05B23/00M D05B23/00M4 D05B7/00
US: 66/147



Family:

Publication number	Publication date	Application number	Application date
CA2439207 AA	20030825	CA20022439207	20020304
CN1494613 A	20040505	CN20028005905	20020304
CZ20032425 A3	20031217	CZ20030002425	20020304
EP1368519 A1	20031210	EP20020717034	20020304
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RU2003129802 A	20050227	RU20030129802	20020304
US2004168478 AA	20040902	US20040471185	20040331
WO202070802 A1	20020912	WO2002IT00130	20020304

Priority:

IT2001FI00037 20010308 WO2002IT00130 20020304

Probable Assignee: GOLDEN LADY SPA

Assignee(s): (std): CONTI P ; CONTI PAOLO ; GOLDEN LADY S P A ; GOLDEN LADY SPA ; METALWORKING AND FINANCE GROUP ; METALWORKING AND FINANCE GROUP INTERNATIONAL S A

Assignee(s): METALWORKING AND FINANCE GROUP INT SA

Inventor(s): (std): CONTI PAOLO ; PAOLO CONTI

Agent(s): FETHERSTONHAUGH AND CO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: DEVICE FOR PICKING UP A TUBULAR KNITTED ARTICLE FROM A KNITTING MACHINE AND FOR SEWING THE TOE

Abstract: Described herein is a device for picking up a tubular knitted article (M) from a cylinder (5) of a circular knitting machine (3) and for closing the toe of said article. The device comprises a sewing machine for sewing the toe of the tubular article and a suction pipe (13) which develops from an intake end (13A), in an area where the tubular article is picked up from the circular knitting machine, to an output end (13B), in an area where the toe of the article is sewn. Also provided is a guide element (15) for guiding the tubular article, said guide element developing inside said suction pipe and extending inside the cylinder of the circular knitting machine. Between the guide element (15) and the inner wall of the suction pipe (13) there remains a space for transit of the tubular article.

Classifications:

International (IPC 8-9): D04B15/88 D04B9/56 D05B23/00

D06G3/02 (Advanced/Invention);

D04B9/56 (Advanced/Non-invention);

D04B15/00 D04B9/00 D05B23/00 D06G3/00 (Core/Invention)

International (IPC 1-7): D04B15/88 D04B27/34 D04B35/00

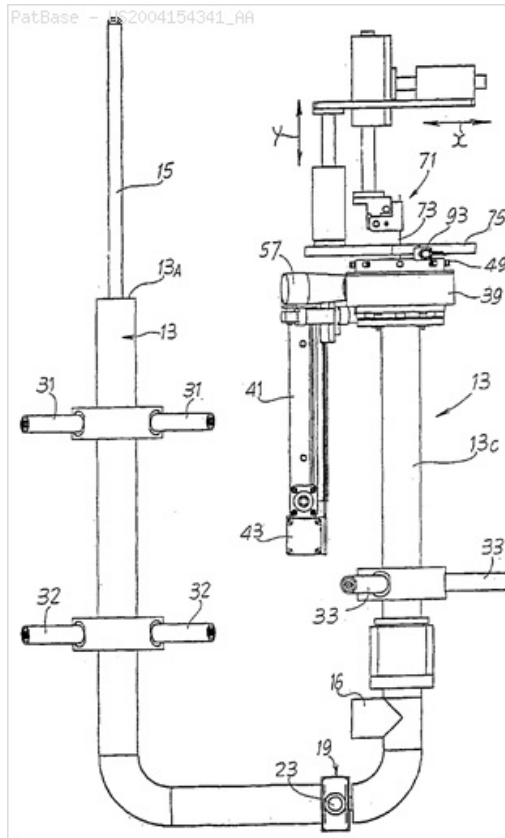
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CPC: D04B9/40 D04B15/92 D05B23/007 D05B23/009 D06G3/02

European: D04B15/92 D04B9/40 D04B9/56 D05B23/00M

D05B23/00M4 D06G3/02

US: 66/149 66/149.00SP 66/149S



Family:

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EP1368518 A1	20031210	EP20020717033	20020304
ITFI20010038 A1	20020909	IT2001FI00038	20010308
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MXPA03007642 A1	20040316	MX2003PA07642	20020304
RU2003129801 A	20050227	RU20030129801	20020304
US2004154341 AA	20040812	US20040471186	20040223
WO02070801 A1	20020912	WO2002IT00129	20020304

Priority:

IT2001FI00038 20010308 WO2002IT00129 20020304

Probable Assignee: GOLDEN LADY SPA

Assignee(s): (std): GOLDEN LADY SPA ; METALWORKING AND FINANCE GROUP ; CONTI P

Assignee(s): CONTI PAOLO ; GOLDEN LADY S P A ; METALWORKING AND FINANCE GROUP INT SA ; METALWORKING AND FINANCE GROUP INTERNATIONAL S A

Inventor(s): (std): CONTI PAOLO

Inventor(s): PAOLO CONTI

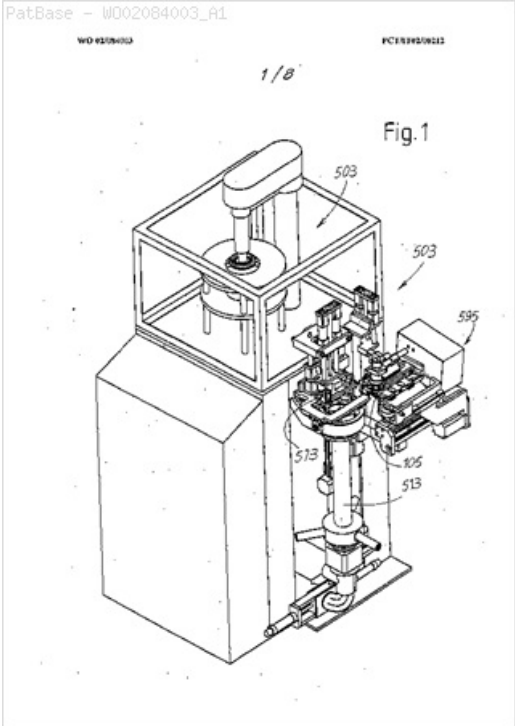
Agent(s): FETHERSTONHAUGH AND CO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: METHOD AND DEVICE FOR **CLOSING** THE **TOE** OF TUBULAR KNITTED ARTICLES

Abstract: The device for sewing two end flaps (L1, L2) of a tubular knitted article (M) and forming a **closed toe** comprises in combination: transverse tensioning means (573) for tensioning said tubular knitted article transversely, setting said end flaps alongside one another; a contrast member (577, 579) and means (602) for tensioning said tubular knitted article longitudinally, bringing the end flaps set alongside one another up against said contrast member; and sewing means with at least one needle (596) for sewing the flaps set alongside one another.

Classifications:
International (ipc 8-9): D04B9/56 D05B23/00 D05B7/00 (Advanced/Invention);
D04B9/00 D05B23/00 D05B7/00 (Core/Invention)
International (ipc 1-7): D04B9/56 D05B23/00
CPC: D04B1/108 D05B7/00 D04B9/56 D05B23/009
European: D04B9/56 D05B23/00M4 D05B7/00



Family:

Publication number	Publication date	Application number	Application date
ITFI20010063 A1	20021011	IT2001FI00063	20010411
WO02084003 A1	20021024	WO2002IT00212	20020405

Priority:

IT2001FI00063 20010411

Probable Assignee: METALWORKING AND FINANCE GROUP

Assignee(s): (std): GOLDEN LADY SPA ; METALWORKING AND FINANCE GROUP ; METALWORKING AND FINANCE GROUP
INTE RNATIONAL S A ; CONTI P

Assignee(s): CONTI PAOLO ; GOLDEN LADY S P A ; METALWORKING AND FINANCE GROUP INTE RNATIONAL SA

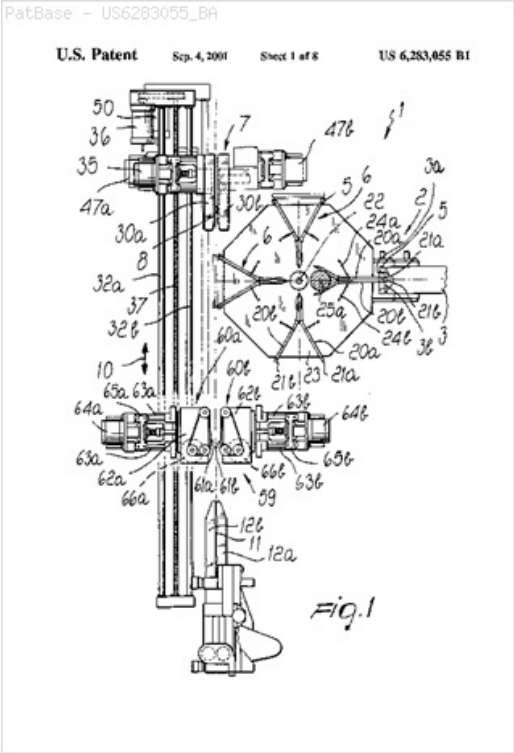
Inventor(s): (std): CONTI PAOLO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK
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SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: Apparatus and method for automatically feeding tubular articles, particularly hosiery, to a sewing machine adapted to close the tubular articles at one of their axial ends

Abstract: An apparatus for automatically feeding tubular articles comprising elements for feeding an article, which are adapted to fit an axial end of the article which is provided with a border thicker than at least one adjacent portion of the article on grip means which can be actuated in order to engage within the axial end so as to support the article in a substantially vertical arrangement and in order to produce a spacing of two diametrically opposite regions of the axial end transversely to the axial extension of the article. The apparatus also comprises elements for supporting the article, which form a first slit-like passage arranged substantially horizontally and adapted to receive a portion of the article that is arranged below the border. Elements for tensioning in a downward direction the article inserted in the first slit-like passage are also provided. The supporting elements and the tensioning elements are movable on command in order to insert the portion of the article that lies directly below the border along a second slit-like passage formed by two side-by-side guides for feeding a sewing machine. The method carried out by the apparatus.

Classifications:
International (IPC 8-9): D05B23/00 (Advanced/Invention); D05B23/00 (Core/Invention)
International (IPC 1-7): B65G D05B21/00 D05B23/00 D05B33/00
CPC: D05B23/007 D05B23/009
European: D05B23/00M D05B23/00M4
US: 112/470.15 112/475.12



Family:

Publication number	Publication date	Application number	Application date
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ITMI992029 A0	19990929	IT1999MI02029	19990929
ITMI992029 A1	20010329	IT1999MI02029	19990929
US6283055 BA	20010904	US20000627065	20000727

Priority:

IT1999MI02029 19990929

Probable Assignee: CONTI COMPLETT SPA
Assignee(s): (std): CONTI COMPLETT SPA
Assignee(s): CONTI COMPLETT S P A
Inventor(s): (std): SALVETTI SERGIO
Designated states: DE

Title: Process and device for preparing stockings for **closing** the **toe** portion thereof

Abstract: PCT No. PCT/EP93/00207 Sec. 371 Date Sep. 29, 1993 Sec. 102(e) Date Sep. 29, 1993 PCT Filed Jan. 29, 1992 PCT Pub. No. WO93/15253 PCT Pub. Date Aug. 5, 1993. A chain feeder for a looping machine for **closing** a **toe** portion of a stocking formed of **elastic** yarns includes two identical **bars** forming a slot therebetween for receiving a folded toe portion of the stocking to be sewn, each **bar** having a first segment starting at a distance after an inlet of the feeder and diverging downwards and passing into a second segment running parallel to the upper side of the **bar**, so that the first segments of the **bars** form a slanted plane interrupted by a slot receiving the stockings in which the finer rows of **elastic** yarn at the toe portion are gradually stretched upon advancing along the slot.

Classifications:

International (IPC 8-9): D04B9/56 D05B23/00

D05B27/18 (Advanced/Invention);

D04B9/00 D05B23/00 D05B27/00 (Core/Invention);

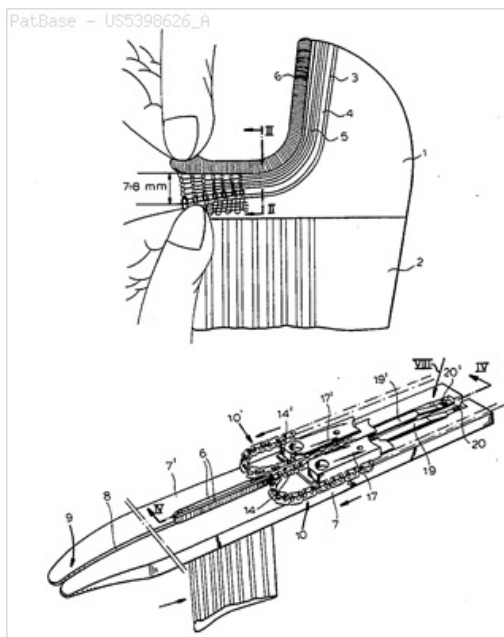
D05B (Subclass/Invention)

International (IPC 1-7): D04B1/26 D05B D05B27/18

CPC: D05B23/009 D05B27/185

European: D05B23/00M4 D05B27/18B

US: 112/121.15 112/470.15 112/475.12 66/186



Family:

Publication number	Publication date	Application number	Application date
DE59304947 D1	19970213	DE19935004947	19930129
EP0576664 A1	19940105	EP19930903889	19930129
EP0576664 B1	19970102	EP19930903889	19930129
IT1256791 B	19951215	IT1992T000064	19920129
ITTO920064 A0	19920129	IT1992T000064	19920129
ITTO920064 A1	19930730	IT1992T000064	19920129
JP7505068 T2	19950608	JP19930512942T	19930129
US5398626 A	19950321	US19930122579	19930929
WO9315253 A1	19930805	WO1993EP00207	19930129

Priority:

IT1992T000064 19920129 WO1993EP00207 19930129

Probable Assignee: ROSSO INDUSTRIE SPA

Assignee(s): (std): ROSSO IND S P A IN PERSONA DEL ; ROSSO IND SPA

Assignee(s): ROSSO INDUSTRIE S P A ; ROSSO INDUSTRIE S P A IN PERSONA DELL AMM D CLARA ; ROSSO INDUSTRIE S P A IN PERSONA DELL AMM D CLARA ROSSO ; ROSSO INDUSTRIE S P A ORBASSANO TURIN TORINO IT ; ROSSO INDUSTRIE SPA

Inventor(s): (std): SCANZI GIANCARLO ; ROSSO PIETRO ; MAZZA ADRIANO ; CHIODI RINALDO

Inventor(s): SCANZI GIANCARLO I 25022 BORGO SANGIACOMO IT ; ROSSO PIETRO I 10146 TORINO IT ; MAZZA ADRIANO I 25022 BORGO SANGIACOMO IT ; CHIODI RINALDO I 25030 VILLACHIARA IT

Designated states: AT BE CH DE DK ES FR GB GR IE IT JP KR LU MC NL PT SE US

Title: Machine for feeding and sewing the toes of pantyhose, simultaneously

Abstract: To obtain the automatic toe-sewing of two stockings, especially of pantyhose articles, a machine is used having horizontal carousel structure to support pairs of stockings (3) upon two parallel everter hoses (1) provided with sliding fingers (10) for the withdrawal of the toe to be sewn. Structure (40, 41, 5) for blocking and temporarily turning right-side out and aligning the edge of the toes to be sewn is provided. Structure (7) for blocking the toes of the stockings (3) with the edge thus turned right-side out and aligned on a sewing surface (6) and slidingly transferring them to a sewing machine (8) is provided. Further, Structure (9) for withdrawing a portion of the stocking (3) from the everter hoses (1) so as to favor the above mentioned transfer is provided.

Classifications:

International (IPC 8-9): D04B9/56 D05B23/00 (Advanced/Invention);
D04B9/00 D05B23/00 (Core/Invention);
D05B (Subclass/Invention)

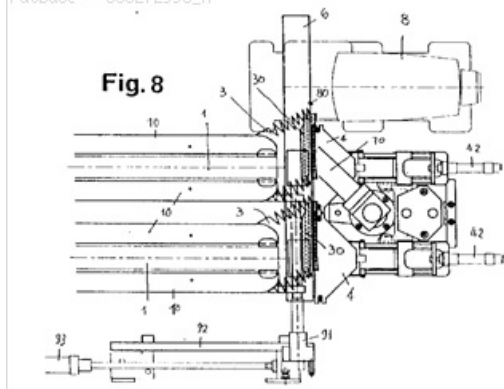
International (IPC 1-7): D04B9/56 D05B D05B21/00 D05B23/00
D05B35/00 D05B5/00

CPC: D05B23/009

European: D05B23/00M4

US: 112/121.15 112/262.2 112/470.15

PatBase - US5272993_A



Family:

Publication number	Publication date	Application number	Application date
CA2078509 AA	19930319	CA19922078509	19920917
CN1026602 C	19941116	CN19921010773	19920918
CN1074256 A	19930714	CN19921010773	19920918
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IT1252800 B	19950628	IT1991FI00231	19910918
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ITFI910231 A1	19930319	IT1991FI00231	19910918
JP2542317 B2	19961009	JP19920275423	19920918
JP5253373 A2	19931005	JP19920275423	19920918
US5272993 A	19931228	US19920945735	19920916

Priority:

IT1991FI00231 19910918

Probable Assignee: SOLIS SRL

Assignee(s): (std): MARTINI LAZZARO ; SOLIS CO LTD ; SOLIS SRL

Assignee(s): SOLIS SRL VIA CASSIA ; SOLIS S R L ; SOLIS S R L IMPRUNETA FIRENZE IT

Inventor(s): (std): GAZZARINI VINICIO ; GAZZARRINI VINICIO ; GAZZARRINI VINICIO DECEASED ; VINICIO GAZZARRINI ; VINIESIO GAZARINE

Inventor(s): GAZARINE VINIESIO ; GAZZARRINI VINICIO I 50029 IMPRUNETA FIRENZE IT ; PIERO IERI

Agent(s): SHINODA MICHIKO

Designated states: DE ES FR GB IT

Title: DEVICE FOR AUTOMATICALLY SEWING THE TOES OF SEAMLESS STOCKINGS

Abstract: ABSTRACT OF THE DISCLOSURE

The open toe of a seamless stocking is automatically closed by a sewing operation in which the stocking toe is drawn onto a template which is moved with the stocking 15 toe thereon into a rotatable clamping device. After the template has been withdrawn from the stocking toe the latter is moved by the rotatable clamping device to a sewing mechanism which **closes** the open **toe** by means of an **elastic** seam.

Classifications:

International (IPC 8-9): D05B21/00 D05B23/00

D06H5/00 (Advanced/Invention);

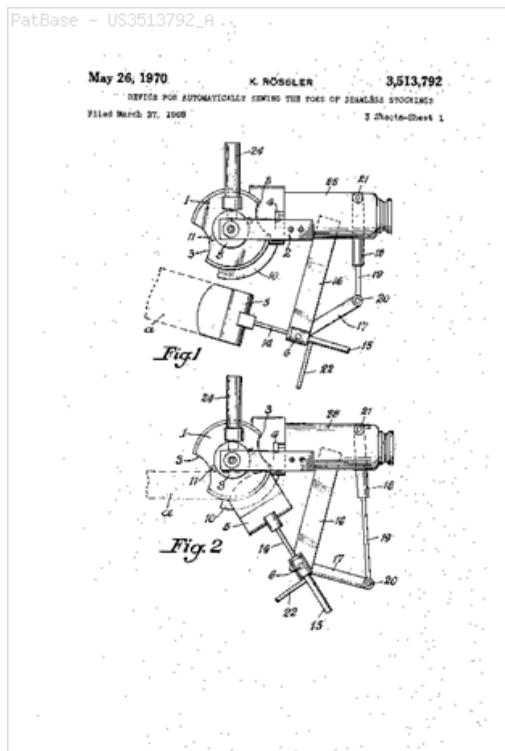
D05B21/00 D05B23/00 D06H5/00 (Core/Invention)

International (IPC 1-7): D04B D05B21/00 D05B23/00 D05B33/00 D05B35/00 D06H5/00

CPC: D05B21/00 D05B23/009 D05D2207/04 D05D2209/06

European: D05B21/00 D05B23/00M4 N05D207/04 N05D209/06

US: 112/121.15 112/470.15 112/470.18



Family:

Publication number	Publication date	Application number	Application date
AT292433 B	19710825	AT19680000799	19680126
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CH462603 A	19680915	CH19680004717	19680328
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SE345486 B	19720529	SE19680001835	19680213
US3513792 A	19700526	US19680716492	19680327

Priority:

DE19661660980 19670401 DE1967R045653 19670401 DE19671660980 19670401
 DE19661660983 19671122 DE1967R047416 19671122 DE19671660983 19671122

Probable Assignee: ROSSLER

Assignee(s): (std): KURT ROESSLER ; KURT ROESSLER SONTHOFEN ALLGAEU DT ; KURT ROESSLER SONTHOFEN BONDSREPUBLIEK DUITSLAND ; ROESSLER K ; ROSSLER KURT ; ROESSLER KURT ; ROSSLER

Assignee(s): ROESSLER KURT 8972 SONTHOFEN ; KURT ROSSLER

Inventor(s): (std): KURT ROESSLER ; KURT ROESSLER SONTHOFEN ; ROESSLER K ; ROESSLER KURT ; ROSSLER KURT

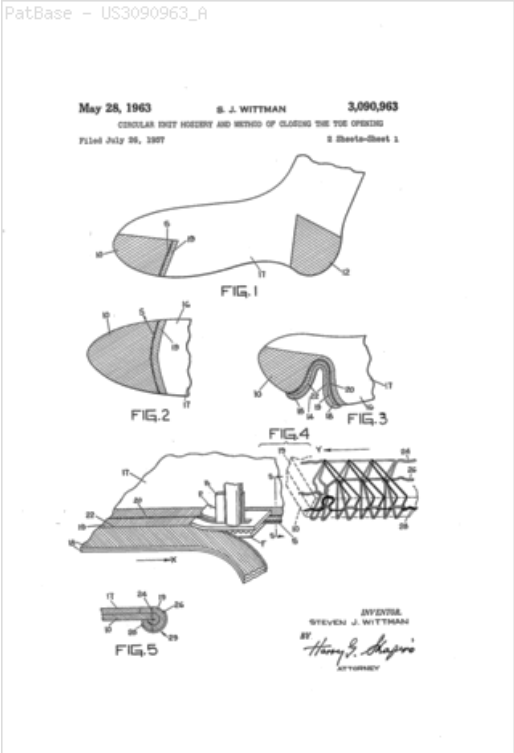
Inventor(s): ROESSLER KURT 8972 SONTHOFEN ; KURT ROESSLER SONTHOFEN ALLGAEU DT ; KURT ROSSLER

Title: CIRCULAR KNIT HOSIERY AND METHOD OF CLOSING THE TOE OPENING

Abstract: (Claim 1) 1. A circular knitted stocking including a foot portion knitted to shape and providing a transverse opening on the under side of the foot portion between a contoured toe pocket and adjacent instep portion, said toe pocket and instep portion having edges trimmed across the wales thereof and rolled courses adjacent the trimmed edges, and a chain over-edges of stitching securing said trimmed edges without regard to an individual sewing stitch for an individual knitted loop relationship, the line of stitching encompassing said rolled courses.

Classifications:

International (IPC 8-9): D05B23/00 (Advanced/Invention);
D05B29/06 (Advanced/Non-invention);
D05B23/00 (Core/Invention);
D05B29/00 (Core/Non-invention)
International (IPC 1-7): D04B9/46
CPC: D05B23/009 D05B29/06 D05D2305/04
European: D05B23/00M4 N05B29/06 N05D305/04
US: 112/162 112/430 112/475.12 2/239



Family:

Publication number	Publication date	Application number	Application date
US3090963 A	19630528	US19570674335	19570726

Priority:

US19570674335 19570726

Probable Assignee: WEST ORANGE HOSIERY MILL INC
Assignee(s): (std): WEST ORANGE HOSIERY MILL INC
Inventor(s): (std): WITTMAN STEVEN J