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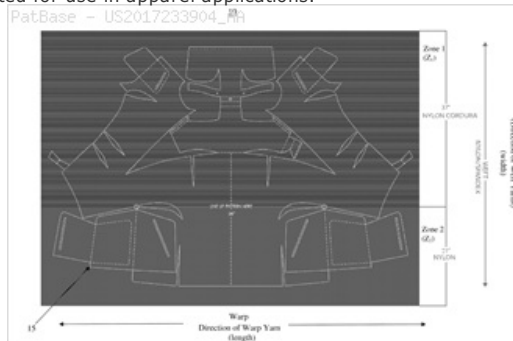
Title: UNITARY WOVEN FABRIC CONSTRUCT OF MULTIPLE ZONES

Abstract: A fabric construct consists of a woven fabric of weft and warp yarns, and the fabric has an area defined by plurality of zones consisting of at least one zone of a first zone type, optionally, at least one zone of a second zone type; and at least one zone of a third zone type. The third zone is a transition zone disposed adjacent the first and/or second zones. All the zones are formed in a unitary woven construct, with adjacent zones seamlessly **joined** together. The transition zone includes a plurality of bands of sets of weft and/or warp yarns that collectively provide a progressive transition for an attribute of the first zone type through at least the transition zone and to the second zone type, if present. The fabric construct may be used in various end products and is particularly suited for use in apparel applications.

Classifications:

International (IPC 8-9): A41D1/00 A41D31/00 A45C5/02 D03D D03D11/00 D03D13/00 D03D15/00 D03D15/08 D03D15/12 D03D17/00 D03D23/00 E04H15/54 (Advanced/Invention); A41D27/00 (Advanced/Non-invention)

CPC: D03D13/00 A41D31/00 D03D13/004 D03D13/008 D03D15/12 D10B2501/04 D10B2501/043 D10B2505/18 D03D15/0033 D03D15/0094 D03D15/00



Family:

Publication number	Publication date	Application number	Application date
CN106661782 A	20170510	CN201580037345	20150428
CN106661782 B	20180629	CN201580037345	20150428
CN108720139 A	20181102	CN201810755980	20150428
EP3140442 A1	20170315	EP20150788884	20150428
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HK1234111 A1	20180209	HK20170107614	20170801
JP2017524833 T2	20170831	JP20160567247T	20150428
KR20160149304 A	20161227	KR20167034397	20150428
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US2017233904 AA	20170817	US20150310005	20150428
US10060054 BB	20180828	US20150310005	20150428
WO15171363 A1	20151112	WO2015US27975	20150428

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US20150310005 20150428

Probable Assignee: NORTH FACE APPAREL CORP

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Inventor(s): (std): PETTITT ALLIE ; UY SUNSHINE ; WEENING DHEEN ; YIP ANDREW

Agent(s): PHILIPP MATTHIAS; SPRUSON AND FERGUSON HONG KONG LTD; YKI PATENT ATTORNEYS; YKI INTELLECTUAL PROPERTY ATTORNEYS; GANZ POLLARD LLC; GANZ BRADLEY M ET AL

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 UG US UZ VC VN ZA ZM ZW

Title: METHOD TO MAKE ELASTIC SHIRTING FABRIC COMPRISING SPANDEX AND HARD YARN

Abstract: Methods for making **stretch** shirting fabric having fabric weight less than 175 g/m² and fabric **stretch** between 15 percent to 45 percent in the weft direction are disclosed. A corespun composite elastomeric yarn is produced either (a) by low draft (2.7x or below) core-spinning of the elastomeric yarn, or (b) by pretreating the corespun composite yarn in steam or heated water at temperatures of at least 110 degrees centigrade to reduce yarn power before dyeing or weaving. The shirting fabric with such corespun composite elastomeric yarn in the weft meets end-use specifications without heat-setting.

Classifications:

International (IPC 8-9): A41B9/00 A41B9/06 A41C1/00 A41C3/00 A41D13/00 A41D27/24 A41D31/00 A41F9/00 A61K A61K8/02 A61K8/85 A61K8/87 A61K8/88 A61Q A61Q1/00 A61Q1/02 A61Q1/10 A61Q13/00 A61Q15/00 A61Q17/04 A61Q19/10 A61Q3/02 A61Q5/00 B01J20/26 B32B B32B25/02 B32B25/10 B32B27/00 B32B27/04 B32B27/06 B32B27/08 B32B27/12 B32B27/40 B32B27/42 B32B3/00 B32B3/26 B32B5/00 B32B5/02 B32B5/12 B32B5/18 B32B5/22 B32B5/24 B32B5/26 B32B5/32 B32B7/12 B32B9/04 B65D65/28 B65H71/00 C08G C08G18/00 C08G18/02 C08G18/06 C08G18/08 C08G18/10 C08G18/12 C08G18/28 C08G18/30 C08G18/32 C08G18/34 C08G18/40 C08G18/42 C08G18/44 C08G18/48 C08G18/60 C08G18/65 C08G18/66 C08G18/70 C08G18/76 C08G18/81 C08J C08J3/00 C08J3/02 C08J3/12 C08J3/20 C08J3/205 C08J3/22 C08J5/02 C08J5/24 C08K3/20 C08L C08L75/00 C08L75/02 C08L75/04 C08L75/08 C09D C09D167/00 C09D175/00 C09D175/04 C09D175/06 C09D175/08 C09D175/12 C09D177/00 C09D5/02 C09J C09J175/00 C09J175/04 C09J175/06 C09J175/08 C09J7/02 C11D3/00 C11D3/26 C11D3/37 C11D3/40 C11D3/43 C11D3/50 C11D3/60 C11D7/32 D01D5/34 D02G D02G3/32 D03D D03D15/00 D03D15/08 D03D17/00 D06C15/00 D06L1/14 D06L3/02 D06M D06M13/46 D06M13/463 D06M15/00 D06M15/347 D06M15/507 D06M15/56 D06M15/564 D06M15/568 D06M15/59 D06M23/08 D06M23/12 D06P3/24 D06P5/00 (Advanced/Invention); C08G18/08 C08G18/12 C08G18/44 C08J3/02 C08J5/02 C08J5/24 C08L75/04 D02G3/32 D03D15/08 (Advanced/Non-invention);

A41B9/00 A41D13/00 A41D27/00 A41F9/00 A61K8/72 A61Q13/00 B32B27/08 B32B27/12 B32B27/40 B32B5/22 B32B9/04 B65D65/22 B65H71/00 C08G18/00 C08G18/30 C08J3/02 C08J3/12 C08J3/20 C08J5/02 C08J5/24 C08L75/00 C09D167/00 C09D175/00 C09D175/04 C09D175/06 C09D175/08 C09D177/00 C09D5/02 C09J175/00 C09J175/04 C09J175/06 C09J7/02 C11D3/37 C11D3/40 C11D3/43 C11D3/50 D01D5/34 D02G3/22 D03D15/00 D03D15/08 D06C15/00 D06M13/00 D06M15/00 D06M15/21 D06M15/37 D06M23/08 D06M23/12 (Core/Invention); A61K A61Q B32B C08G C08J C08L C09D C09J D02G D03D D06M (Subclass/Invention)

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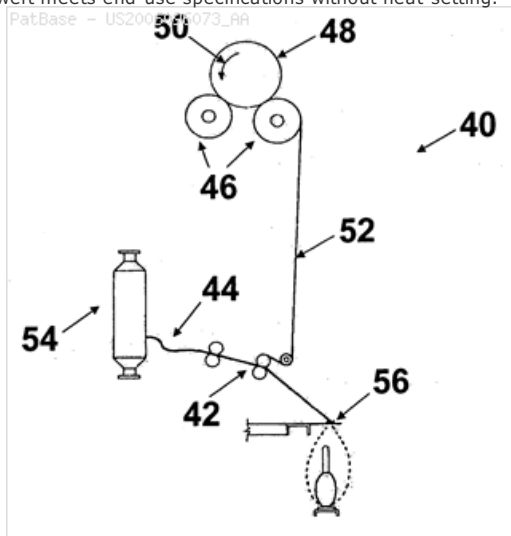
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Locarno class: 2 /69

Family:

Publication number	Publication date	Application number	Application date
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US20130945215	20130718	US20140464517	20140820	US20140552060	20141124
JP20160216068	20161104				

Probable Assignee: INVISTA NORTH AMERICA SARL

Assignee(s): (std): COVELLI CARMEN A ; INVISTA NORTH AMERICA S A R I ; FARMER DOUGLAS K ; IAVARONE CHARLES FRANK ; INVISTA NORTH AMERICA S A R L ; INVISTA NORTH AMERICA S A R L ; INVISTA TECH SARL ; INVISTA NORTH AMERICA SARL ; INVISTA NORTH AMERICA S A R L ; INVISTA TECHNOLOGIES R L SA ; INVISTA NORTH AMERICA S R L ; INVISTA TECH S A R L ; LIAO TIANYI ; LEUNG RAYMOND S P ; STOPPA FEDERICA MARIA ROBERTA ; LAYCOCK GRAHAM H ; LAMBERT JAMES MICHAEL ; LIU HONG ; STOPPA FEDERICA MARIA ROBERTA ; MENOT SONIA ; INVISTA TECHNOLOGIES SARL ; YODER GREGORY L ; INVISTA TECHNOLOGIES S A R L EMPR LUXEMBURGUESA ; INVISTA TECHNOLOGIES SRL

Assignee(s): JPMORGAN CHASE BANK NA AS ADMINISTRATIVE AGENT ; JPMORGAN CHASE BANK NA ADMINISTRATIVE AGENT AS ; JPMORGAN CHASE BANK NA ; LEUNG RAYMOND SP ; INVISTA NORTH AMERICA SARL (F K A ARTEVA NORTH AMERICA SARL) ; INVISTA NORTH AMERICA SARL F K A ARTEVA NORTH AMERICA SARL ; INVISTA NORTH AMERICA SARL F K A ARTEVA NORTH AMER ; INVISTA NORTH AMERICA SA RL ; INVISTA NORTH AMERICA SARL F K A ARTEVA NORTH AME ; INVISTA TECHNOLOGIES RL SA ; INVISTA TECHNOLOGIES S A R L ; INVISTA NORTH AMERICA R L SA ; INVISTA NORTH AMERICA RL SA ; DEUTSCHE BANK AG ; DEUTSCHE BANK NEW YORK BRANCH COLLATERAL AGENT AG ; DEUTSCHE BANK NEW YORK BRANCH COLLATERAL AGENT AG AS ; INVISTA NORTH AMERICA RL SA ; INVISTA NORTH AMERICA RI SA

Inventor(s): (std): CARMEM A COVELLI ; CARMEN A COVELLI ; CHARLES FRANK IAVARONE ; COVELLI CARMEM A ; COVELLI CARMEN ; COVELLI CARMEN A ; DOUGLAS K FARMER ; FARMER DOUGLAS ; FARMER

DOUGLAS K ; FEDERICA MARIA ROBERTA STOPPA ; FRANK IAVARONE CHARLES ; IAVARONE CHARLES F ; IAVARONE CHARLES FRANK ; JAMES MICHAEL LAMBERT ; GREGORY L YODER ; HONG LIU ; LAMBERT JAMES M ; LAMBERT JAMES MICHAEL ; LAYCOCK GRAHAM ; LAYCOCK GRAHAM H ; LEUNG RAYMOND ; LEUNG RAYMOND S ; LEUNG RAYMOND S P ; LEUNG RAYMOND SP ; LIAO TIANY ; LIAO TIANYI ; LIAO TIANYL ; LIU HONG ; MICHAEL LAMBERT JAMES ; RAYMOND S P LEUNG ; ROBERTA STOPPA FEDERICA MARIA ; ROBERTA STOPPA FEDERICA MARIA ; SONIA MENOT ; MENOT SONIA ; STOPPA FEDERICA M R ; STOPPA FEDERICA MARIA ROBERTA ; STOPPA FEDERICA ; STOPPA FEDERICA MARIA ; STOPPA FEDERICA MARIA ROBERTA ; TIANYI LIAO ; YODER GREGORY L

Inventor(s): TIANYL LIAO ; YODER GREGORY ; TIANY LIAO ; STOPPA FEDERICA MR ; STOPPA FEDERICA ; LIU HONG WAYNESBORO ; LEUNG RAYMOND SP SHATIN ; IAVARONE CHARLES ; LAMBERT JAMES ; FEDERICA MARIA ROBERTA STOPPA ; GRAHAM H LAYCOCK ; FARMER DOUGLAS K GREENSBORO ; COVELLI CARMEN A CHADDS FORD

Agent(s): HOULIHAN²; HOULIHAN² PTY LTD; HOULIHAN²; MUELLER BORE AND PARTNER PATENTANWAELTE PARTG MBB; MARKS AND CLERK LUXEMBOURG LLP; COCKERTON BRUCE ROGER; COCKERTON BRUCE ROGER ET AL; CARPINTERO MARIO; IZQUIERDO MARIA ALICIA; CHINA PATENT AGENT HK LTD; IRENE KURNIATI DJALIM; SANFORD TCOLB AND CO; ABE KAZUO; TANI YOSHIKAZU; KITANO TAKESHI; OHNO SEIJI; YESIM METIN; INVISTA NORTH AMERICA SARL; CHRISTINA W; BRIDGET; GEERLOF CHRISTINA W

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SEA-ISLAND COMPOSITE FIBER, COMPOSITE ULTRA-FINE FIBER, AND FIBER PRODUCT

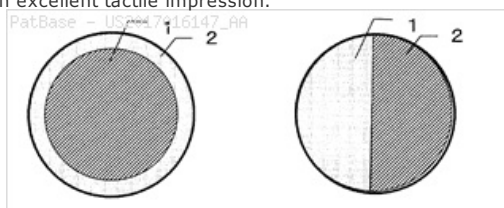
Abstract: A sea-island composite fiber in which island components are interspersed in a sea component on a fiber cross-section, wherein the island components have a composite structure formed with two or more different polymers **joined** together, and the ratio (L/D) of the length (L) of the joint section of the island component and the diameter (D) of the composite island component is 0.1 to 10.0. The sea-island composite fiber has satisfactory high-order processability, and therefore can be produced with high productivity and quality using existing equipment, and thin fibers obtained by removing the sea component have functions of structure control while having an excellent tactile impression.

Classifications:

International (IPC 8-9): D01D5/34 D01D5/36 D01F8/04 D01F8/14 D04H1/4382 (Advanced/Invention)

CPC: D01D5/34 D01F8/14 D10B2501/02 D10B2501/04 D10B2503/02 D10B2505/04 D10B2505/12 D10B2509/04 D10B2509/06 D01D5/36

US: 57/244



Family:

Publication number	Publication date	Application number	Application date
CN105874111 A	20160817	CN201580003502	20150218
CN105874111 B	20171226	CN201580003502	20150218
EP3112505 A1	20170104	EP20150755549	20150218
EP3112505 A4	20171004	EP20150755549	20150218
JP2015129519 A1	20170330	JP20150511135T	20150218
KR20160123280 A	20161025	KR20167010658	20150218
TW201544642 A	20151201	TW20150105844	20150224
US2017016147 AA	20170119	US20150121171	20150218
WO15129519 A1	20150903	WO2015JP54411	20150218

Priority:

JP20140034212 20140225 WO2015JP54411 20150218

Probable Assignee: TORAY IND INC

Assignee(s): (std): AIR TONY CO LTD ; TORAY IND ; TORAY INDUSTRIES

Assignee(s): TORAY IND INC

Inventor(s): (std): MASUDA MASATO ; HANAWA TATSUYA ; FUNAKOSHI JOJI

Agent(s): WEBSTER JEREMY MARK

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 UG US UZ VC VN ZA ZM ZW

Title: 1Process for manufacturing shirts with inset sleeves

Abstract: The present invention provides a continuous process for the manufacture of a garment. A web of fabric including opposing web side edges is provided. The web of fabric is intermittently **cut**, thereby forming edges defining neck openings in the web fabric. The web of fabric is **cut**, thereby defining discrete garment-sized pieces. Each of the discrete garment-sized pieces of the web of fabric includes at least one neck opening, a front panel having a pair of opposing garment side edges, a back panel having a pair of opposing garment side edges, two opposing garment end portions, and a pair of opposing piece side edges. The opposing piece side edges of the discrete garment-sized piece are proximate a pair of opposing garment bottom edges of the garment. The discrete garment-sized piece of the web of fabric is folded, whereby one of the garment bottom edges of the pair of opposing garment bottom edges is brought into contact with the other garment bottom edge. At least a portion of the pair of opposing garment side edges of the front panel is fastened to at least a portion of the pair of opposing garment side edges of the back panel to form a pair of garment side seams.

Classifications:

International (IPC 8-9): A41H42/00 D05B1/00 D05B23/00 D05B25/00 D05B33/00 D05B37/08 (Advanced/Invention);

D05B1/00 (Advanced/Non-invention);

A41H42/00 D05B1/00 D05B23/00 D05B25/00 D05B33/00

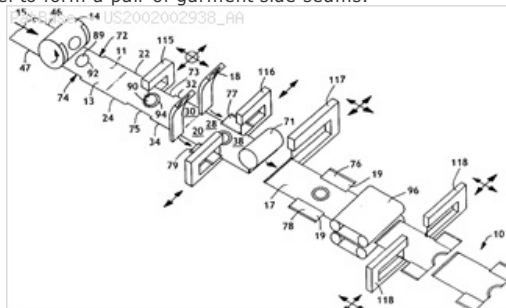
D05B37/00 (Core/Invention)

International (IPC 1-7): A41H42/00 B31B49/00 B31F1/10 D05B D05B0/00 D05B1/00 D05B11/00 D05B13/00 D05B15/00 D05B23/00 D05B25/00 D05B25/02 D05B33/00 D05B37/08 D05B9/00

CPC: Y10S493/938 A41H42/00 D05B25/00 D05B33/00 D05D2305/02 D05D2305/08

European: A41H42/00 D05B25/00 D05B33/00 N05D305/02 N05D305/08

US: 112/475.04 112/475.06 112/475.08 112/475.09 493/442 493/938



Family:

Publication number	Publication date	Application number	Application date
AU2001271289 AA	20011217	AU20010271289	20010607
AU200171289 A1	20011217	AU20010071289	20010607
AU200171289 A5	20011217	AU20010071289	20010607
DE10196321 T5	20090730	DE20011096321T	20010607
GB200300033 A0	20030205	GB20030000033	20010607
GB2380394 A1	20030409	GB20030000033	20010607
GB2380394 B2	20041117	GB20030000033	20010607
KR100714954 B1	20070509	KR20027016718	20010607
KR20030017989 A	20030304	KR20027016718	20010607
MXPA02012116 A1	20030425	MX2002PA12116	20010607
US2002002938 AA	20020110	US20010875583	20010606
US2002005154 AA	20020117	US20010875587	20010606
US2002005155 AA	20020117	US20010875834	20010606
US2002006855 AA	20020117	US20010875749	20010606
US6497188 BB	20021224	US20010875587	20010606
US6557479 BB	20030506	US20010875583	20010606
US6578504 BB	20030617	US20010875834	20010606
US6830543 BB	20041214	US20010875749	20010606
WO0194674 A2	20011213	WO2001US18385	20010607
WO0194674 A3	20040408	WO2001US18385	20010607

Priority:

US20000210071P 20000607	US20000210124P 20000607	US20000210125P 20000607
US20000210128P 20000607	US20010875583 20010606	US20010875749 20010606
US20010875587 20010606	US20010875834 20010606	WO2001US18385 20010607
WO2001US18385 20021207		

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): ALBERTS JOSEPH RICHARD ; ALBERTS JOSPH RICHARD ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; NELSON MICHAEL JOSEPH ; RIBBLE BRENDON FRANK

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): ALBERTS JOSPH RICHARD ; RIBBLE BRENDON FRANK ; NELSON MICHAEL JOSEPH ; ALBERTS JOSEPH RICHARD

Inventor(s): BRENDON FRANK RIBBLE ; JOSEPH RICHARD ALBERTS ; MICHAEL JOSEPH NELSON

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 GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: PROCESS FOR MANUFACTURING SHIRTS WITH RAGLAN SLEEVES

Abstract: The present invention provides a continuous process for the manufacture of a garment. A web of fabric including opposing web side edges wherein one of the opposing web side edges is proximate the garment bottom edge of the garment is provided. The web of fabric is **cut**, thereby forming a fabric web wherein the fabric web includes one of the opposing web side edges opposed to an octagonal shape pattern defining pairs of shoulder side edges having a side edge located between the shoulder side edges of each pair of the shoulder side edges and edges located between the pairs of shoulder side edges. The side edges of the fabric web are **cut**, thereby forming edges defining neck openings in the fabric web. The fabric web is **cut**, thereby defining discrete garment-sized pieces wherein each of the discrete garment-sized pieces of the fabric web includes at least one neck opening, a front panel having a pair of opposing garment side edges, a garment end portion, and a bottom edge.

Classifications:**International (IPC 8-9):** A41B9/06 A41D13/12 A41D27/10

A41D27/24 A41H42/00 A41H43/00 (Advanced/Invention);

A41H43/00 (Advanced/Non-invention);

A41B9/00 A41D13/12 A41D27/00 A41H42/00

A41H43/00 (Core/Invention)

International (IPC 1-7): A41B9/06 A41D13/12 A41D27/10 A41H3/00

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D05B23/00 D05B25/00 D05B37/08 D05B9/00

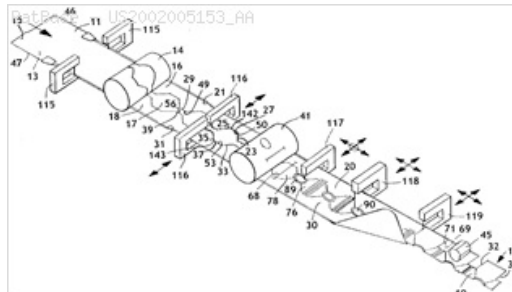
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European: A41B9/06 A41D13/12B A41D13/12C2 A41D27/10

A41D27/24 A41D27/24B A41H42/00 K41D400/70 L29C66/1122

L29C66/135

US: 112/475.06 112/475.08 112/475.080P 112/475.09**Family:**

Publication number	Publication date	Application number	Application date
AU2001266758 AA	20011217	AU20010266758	20010607
AU200166758 A1	20011217	AU20010066758	20010607
AU200166758 A5	20011217	AU20010066758	20010607
DE10196325 T5	20040429	DE20011096325T	20010607
GB200300032 A0	20030205	GB20030000032	20010607
GB2379595 A1	20030319	GB20030000032	20010607
GB2379595 B2	20031203	GB20030000032	20010607
KR100711693 B1	20070502	KR20027016641	20010607
KR20030034088 A	20030501	KR20027016641	20010607
MXPA02012115 A1	20030425	MX2002PA12115	20010607
US2002005153 AA	20020117	US20010875584	20010606
US6435116 BB	20020820	US20010875584	20010606
WO0193711 A2	20011213	WO2001US18455	20010607
WO0193711 A3	20020613	WO2001US18455	20010607

Priority:US20000210127P 20000607 US20010875584 20010606 WO2001US18455 20010607
WO2001US18455 20021206**Probable Assignee:** KIMBERLY CLARK CORP**Assignee(s):** (std): KIMBERLY CLARK CO ; KIMBERLY CLARK CORP**Assignee(s):** KIMBERLY CLARK WORLDWIDE INC ; NELSON MICHAEL JOSEPH ; RIBBLE BRENDON FRANK ; ALBERTS JOSEPH RICHARD**Inventor(s):** (std): RIBBLE BRENDON FRANK ; NELSON MICHAEL JOSEPH ; ALBERTS JOSEPH RICHARD**Inventor(s):** BRENDON FRANK RIBBLE ; JOSEPH RICHARD ALBERTS ; MICHAEL JOSEPH NELSON**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 GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW

Title: Garments formed of helically **joined** pieces

Abstract: A dress-type garment is formed of one or more strips of fabrics wound helically about the torso of the wearer and having contiguous edges of adjacent convolutions **joined** by helical seams. A **pants**-type garment is similarly formed by strips helically wound to form the legs, with upper end portions of the strips **cut** and **joined** by a central seam to form the upper portion of the **pants**. Another embodiment of a dress-type garment is made of first, second and third squares with two adjacent edges of the second square **joined** to two adjacent edges of the first square and the other two edges of the second square **joined** to two adjacent edges of the third square.

Classifications:

International (IPC 8-9): A41D1/00 A41D1/06 A41D1/18 A41D1/22 A41D10/00 A41D7/00 A41H43/00 C07C69/94 D05B25/00 D06H5/00 D06H7/12 (Advanced/Invention); A41D1/00 A41D1/06 A41D10/00 A41D7/00 A41H43/00 C07C69/00 D05B25/00 D06H5/00 D06H7/00 (Core/Invention)

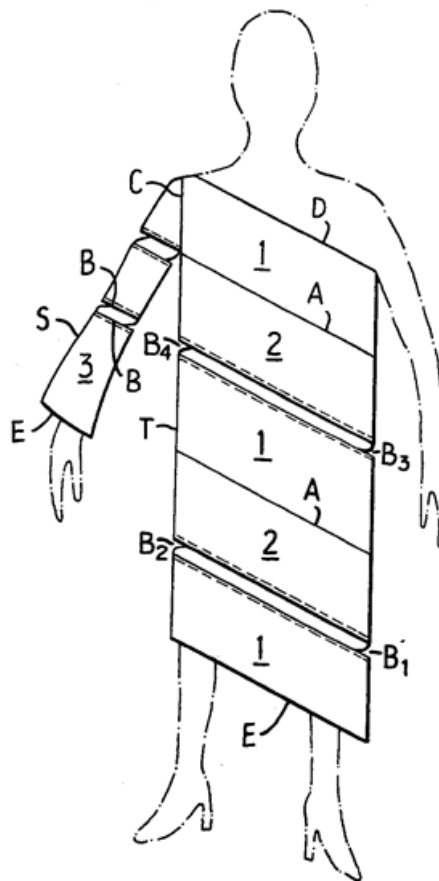
International (IPC 1-7): A41B11/04 A41D1/00 A41D1/06 A41D1/22 A41D17/02 A41D27/24 A41D31/00 A41D7/00 A41D9/00 A41H3/00 A41H3/04 A41H41/00 A41H43/00 C07C69/94 D05B1/00 D06H7/12

CPC: A41D1/007 D05D2207/04 D05D2305/12 D06H5/007 A41D1/06 A41H43/00 D05B25/00 A41D1/18 A41D7/00 D06H5/00 Y10S2/912

European: A41D1/00 A41D1/00H A41D1/06 A41D1/18 A41D7/00 A41H43/00 D05B25/00 D06H5/00 D06H5/00C2C N05D207/04 N05D305/12

US: 112/470.17 112/475.09 112/63 2/105 2/211 2/227 2/409 2/67 2/69 2/74 2/912

PatBase - US4097933_A



Family:

Publication number	Publication date	Application number	Application date
AR220063 A1	19800930	AR19800281609	19800701
CA1108351 A1	19810908	CA19780297225	19780217
CH621470 A	19810213	CH19780001649	19780215
DE2805882 A1	19781005	DE19782805882	19780213
DE2805882 C2	19860612	DE19782805882	19780213
DE2926483 A1	19800124	DE19792926483	19790630
DE7804096 U1	19790830	DE19780004096U	19780213
FR2380748 A1	19780915	FR19780004083	19780214
FR2380748 B1	19831202	FR19780004083	19780214
GB1596553 A	19810826	GB19780006197	19780216
GB1596554 A	19810826	GB19780038466	19780216
IN148392 A	19810207	IN1978DE00115	19780210
IT1092760 A	19850712	IT19780020363	19780217
IT1123464 A	19860430	IT19790024069	19790703
IT7820363 A0	19780217	IT19780020363	19780217
IT7924069 A0	19790703	IT19790024069	19790703
JP1417383 C3	19871222	JP19790083543	19790703
JP53120951 A2	19781021	JP19780016686	19780217
JP55012899 A2	19800129	JP19790083543	19790703
JP62025762 B4	19870604	JP19790083543	19790703
US4097933 A	19780704	US19770770034	19770218
US4176408 A	19791204	US19780921180	19780703
US4198916 A	19800422	US19780921181	19780703
US4240158 A	19801223	US19790054478	19790703
US4301546 A	19811124	US19800176522	19800808
US4368547 A	19830118	US19810287368	19810727
USRE30833 E	19811229	US19800165365	19800702

Priority:

US19770770034 19770218	GB19780006197 19780216	CA19780297225 19780217
US19780921180 19780703	US19780921181 19780703	IT19790024069 19790703
US19790054478 19790703	US19800165365 19800702	US19800176522 19800808

Probable Assignee: POLO HARRY R DE

Assignee(s): (std): AUSONIA FARMA SRL ; DE POLO H ; DEPOLO HARRY R ; POLO HARRY RUDOLF DE ; POLO HARRY ;
HARII RUDORUFU DE PORO ; HARRY R DE POLO ; POLO HARRY RUDOLF ; POLO HARRY DE ; POLO H DE
; POLO HARRY R DE

Assignee(s): POLO HARRY RUDOLF DE NEW YORK NY VSTA ; POLO HARRY RUDOLF DE NEW YORK N Y V ST A ; POLO
HARRY RUDOLF DE NEW YORK N Y US ; DE POLO H R ; DE POLO HARRY R ; DE POLO HARRY RUDOLPH

Inventor(s): (std): DE POLO HARRY RUDOLPH ; DEPOLO HARRY R ; HARII RUDORUFU DE HORO ; HARII RUDORUFU DE
PORO ; HARRY RUDOLPH DE POLO ; POLO HARRY RUDOLF DE ; DE POLO H ; POLO HARRY RUDOLPH DE
; DE POLO HARRY R

Inventor(s): POLO HARRY RUDOLF DE NEW YORK NY VSTA ; DE POLO HARRY RUDOLF ; POLO HARRY RUDOLF DE
NEW YORK N Y ; POLO HARRY RUDOLF DE NEW YORK N Y US ; POLO HARRY RUDOLF DE NEW YORK N Y
V ST A

Agent(s): MALCOLM JOHNSTON AND ASSOCIATES