



New connection on: : 08-11-2018 : 15:54:28 - Last disconnection on: : 08-11-2018 : 15:53:38

V4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

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[EPODOC: SS 5] ..fi

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[EPODOC: SS 5] /IC B29C65/50

Results in EPODOC **5.666**

[SS 6] pd<20141008

Results in EPODOC **92.779.182**

[SS 7] 5 and 6

Results in EPODOC **5.021**

[SS 8] Gas-tieght or airtight or hermetic or tight airproof

Results in EPODOC **92.157**

EPODOC: term 'GAS-TIEGHT' not found in index 'BI'. WARNING(1)

 1 similar messages

EPODOC: term 'TIGHT AIRPROOF' not found in index 'BI'. WARNING(1)

[SS 9] Gastieght or airtight or hermetic or tightairproof

Results in EPODOC **92.157**

EPODOC: term 'GASTIEGHT' not found in index 'BI'. WARNING(1)

 1 similar messages

[SS 10] contain? and cylinder

Results in EPODOC 25.826

[SS 11] 7 and 8 and 10

Results in EPODOC 0

[SS 12] 7 and 8

Results in EPODOC 15

[SS 13] ..li s15

EPODOC: 'S15' is an unknown field/format/index. ERROR(-50855)

[SS 13] ..li ss15

'SS15' is an invalid field. ERROR(-50860)

[SS 13] ..li ss 12



1/15 © EPODOC / EPO

PN - [US2012312468](#) A1 20121213

PR - JP20100058629 20100316; WO2011JP00713 20110209

AP - US201113578117 20110209

DT - *; Rep

CT - || R141 (A1)
[US5307568](#) A [];
[US6826442](#) B2 [];
[JPH11245163](#) A [];
[JP2005026377](#) A []

CTNP - || R141 (A1)
[] Nakamura, Yoshio. "Method and Device for Adhering Wafer."
Japanese Patent Office. Detailed Description
[] Sugano, Hidemi. "Vacuum Tape Pasting Equipment and Method
Therefor." Japanese Patent Office. Detailed Description

CCI - [H01L21/67092](#) ; [H01L21/67132](#) ; [H01L21/6838](#)

CUI - [H01L21/6836](#)

CCA - [Y10T156/17](#)

PA - TAGA YOICHIRO [JP]; AOKI EIICHIRO [JP]

TI - TAPE ATTACHING APPARATUS AND TAPE ATTACHING METHOD

AB - A tape attaching apparatus includes: a chamber having an **airtight** space formed therein; a rubber sheet that partitions the **airtight** space into first and second **airtight**

spaces and has an upper sheet on which a wafer is placed; a tape frame that holds a tape above the rubber sheet; and first and second supply/exhaust tubes that switch pressurization and depressurization of the first and second **airtight** spaces. In pressurizing the second **airtight** space and expanding the rubber sheet to lift the wafer to be attached to the tape, after bringing the first and second **airtight** spaces into a vacuum state, the wafer is attached to the tape while an amount of pressurization of the second **airtight** space is controlled to change an expansion rate of the rubber sheet from a low speed to a high speed stepwisely.

2/15 © EPODOC / EPO

PN - [EP2511074](#) A2 20121017

PNFP - EP2511074 A3 20130306

- EP2511074 B1 20170301

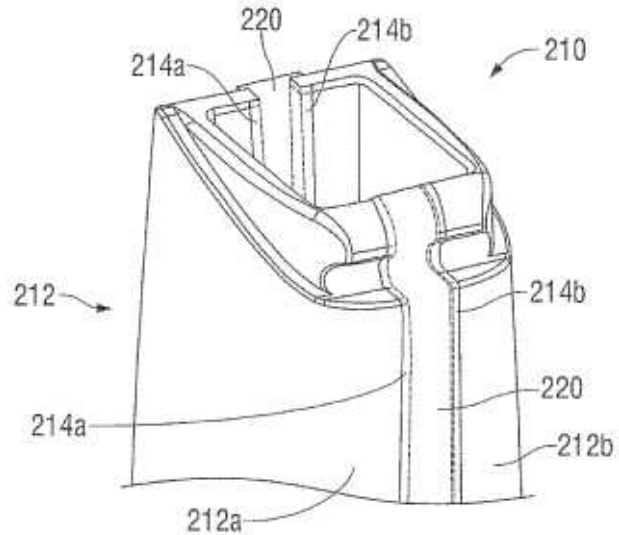
PR - US201161476048P
20110415; US201213445752
20120412

AP - EP20120164201 20120415

DT - **

CT - || STSE (A3)
[DE102005047511](#) A1 20070405
[XIA] (CONTI TEMIC
MICROELECTRONIC [DE])
[X] 1,3,6,8
* paragraph [0014] -
paragraph [0032]; figure 1 *
[I] 4-5,7
[A] 13-16;
[US5732743](#) A 19980331 [I] (LIVESAY
MARK [US])
[I] 2,9-12
* column 3, line 55 - column 10,
line 8; figures 1,5 *;
[JP2005347002](#) A 20051215
[A] (MATSUSHITA ELECTRIC IND CO
LTD)
[A] 2-15
* abstract *;
[US2011292623](#) A1 20111201
[PXI] (STANLEY CRAIG MATTHEW
[US])
[PX] 13,15-16
* paragraph [0029] -
paragraph [0057]; figures 1-11 *
[I] 14

CCI - [B25F5/02](#) ; [B29C65/1435](#) ;
[B29C65/1483](#) ; [B29C65/4845](#) ;
[B29C65/5042](#) ; [B29C66/54](#) ;



- [B29C66/61](#) ; [B29C66/73361](#)
- CLC - [B29C66/71](#), [B29K2033/08](#) , ADD
 - [B29C66/71](#), [B29K2033/12](#) , ADD
 - [B29C66/71](#), [B29K2067/003](#) , ADD
 - [B29C66/71](#), [B29K2069/00](#) , ADD
 - [B29C66/71](#), [B29K2077/00](#) , ADD
 - [B29C66/71](#), [B29K2081/06](#) , ADD
- CCA - [B29L2031/3481](#) ; [B29L2031/463](#) ;
[B29L2031/283](#) ; [B29K2995/0027](#) ;
[B29C65/5092](#) ; [B29C66/00141](#) ;
[B29C66/71](#) ; [B29C66/73365](#) ;
[B29C65/1406](#) ; [B29C65/1409](#)
- PA - (A2 A3 B1)
 COVIDIEN AG [CH]
- TI - (A2 B1)
 Method of sealing
 - (A3)
 Sealed device and method of
 sealing
- AB - (A2)
 A method for creating a sealed
 device includes the steps of
 providing a structure comprised of
 at least two adjacent parts (112a,
 112b) forming an enclosure and
 having a contact surface (114)
 therebetween. At least one part of
 the structure is comprised of a
 material that appears
 substantially opaque to the naked
 eye and is substantially
 transparent to light. A light-curable
 adhesive is applied at the contact
 surface (114), and light is
 transmitted to cure the light-
 curable adhesive to form
 a **hermetic** seal at the contact
 surface (114) between the at least
 two adjacent parts (112a, 112b).

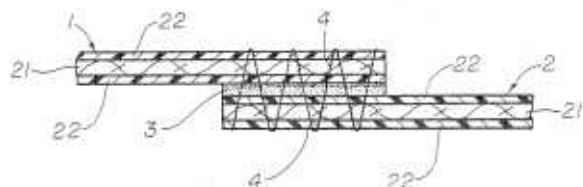
3/15 © EPODOC / EPO

- PN - [US4889576](#) A 19891226
 PR - JP19850226582 19851011
 AP - US19860909645 19860922
 DT - **
 CT - || STSE (A)

- [US3001213](#) A 19610926 [] (STARK HOWARD J, et al);
[US3026229](#) A 19620320 [] (WILCOX FORREST S);
[US4569870](#) A 19860211 [] (SHINMI HIDEO [JP]);
[DE2154682](#) A1 19720510 [] (DEUTSCH CO)
- CCI - [B29C65/18](#) ; [B29C65/4835](#) ; [B29C65/5057](#) ; [B29C66/1122](#) ; [B29C66/43](#) ; [B29C66/71](#) ;
[B29C66/723](#) ; [B29C66/7292](#) ; [C09J5/10](#) ; [C09J183/04](#)
- CLC - [B29C66/71](#) , [B29C65/00](#) , ADD
- [B29C66/71](#) , [B29K2019/00](#) , INV
- [B29C66/71](#) , [B29K2033/20](#) , ADD
- [B29C66/71](#) , [B29K2067/003](#) , ADD
- [B29C66/71](#) , [B29K2077/00](#) , ADD
- [B29C66/71](#) , [B29K2077/10](#) , ADD
- [B29C66/71](#) , [B29K2083/00](#) , INV
- CCA - [B29C66/72325](#) ; [B29C66/72326](#) ; [B29C65/5028](#) ; [B29C66/72321](#) ; [B29C66/73921](#) ;
[B29K2083/00](#) ; [C08L83/06](#) ; [C09J2400/263](#) ; [C09J2483/00](#) ; [B29K2313/02](#) ;
[B29C66/72323](#) ; [Y10T428/19](#)
- PA - TORAY SILICONE CO [JP]
- TI - Method for joining silicone-coated fabrics
- AB - In the joining of silicone-coated fabrics in the present invention, a silicone rubber adhesive, which is plastic at room temperature and is an addition-curing type containing platinum-type catalyst or a radical-curing type containing organoperoxide, is inserted into the overlap region of said silicone rubber-coated fabrics. This overlap region is then hot-cured after press-adhering or is hot-cured while press-adhering. As a consequence, the silicone-coated fabrics are tightly bonded in an accurate, watertight and **airtight** manner.

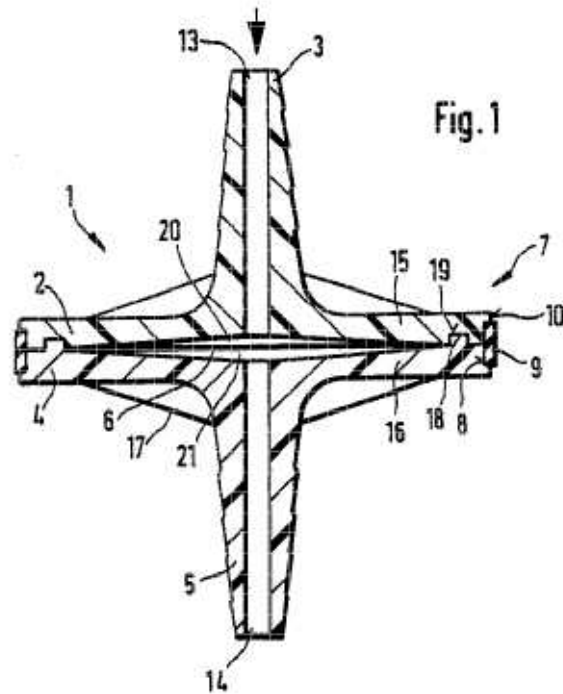
4/15 © EPODOC / EPO

- PN - [US4569870](#) A 19860211
- PR - JP19830099509
19830606; JP19830099511
19830606
- AP - US19840614000 19840523
- DT - **
- CT - || STSE (A)
[US2399973](#) A 19460507 [] (ALBIN ALONZO E);
[US4192116](#) A 19800311 [] (KELLY THOMAS L [US]);
[US4303712](#) A 19811201 [] (WOODROOF E AUBREY);
[US4530868](#) A 19850723 [] (SHINMI HIDEO [JP], et al)
- CCI - [B29C65/4825](#) ; [B29C65/5021](#) ;
[B29C65/5042](#) ; [B29C65/562](#) ;
[B29C65/62](#) ; [B29C65/72](#) ;



	B29C66/1122 ; B29C66/223 ; B29C66/43 ; B29C66/71 ; B29C66/72341 ; B29C66/72343 ; B29C66/7292 ; C09J5/10 ; D06H5/00
CLC	- B29C66/71 , B29K2021/00 , INV
CCA	- B29C66/72326 ; B29C65/4815 ; B29C66/72321 ; B29L2009/00 ; Y10T428/19 ; Y10T428/2405
PA	- TORAY SILICONE CO [JP]
TI	- Jointed, reinforced, elastomer-coated fabric material
AB	- A jointed watertight, airtight , elastomer-coated material is described. The material consists essentially of a first elastomer-coated fabric material and a second elastomer-coated fabric material, said second material being overlaid at an edge over an edge of the first material. The overlaid portion of each material is laminated to the other with a pressure-sensitive adhesive intercalated between the two materials. The laminated portion is further bound with a fastener which penetrates across the laminated portion in an up-and-down manner. Typical fasteners are thread, rivets, or bolts. The jointed material can be further bound by a tacky tape which is adhered on the bound portion of one material and the unbound portion of the other material, covering the joint between the edges of the two materials. The jointed waterproof, airtight , elastomer-coated fabric material is particularly useful for air-supported structures.

PN - [US5108709](#) A 19920428
 PR - EP19890118146 19890929
 AP - US19900587923 19900925
 DT - **
 CT - || STSE (A)
 [US2879207](#) A 19590324 [
] (POITRAS EDWARD J);
 [US3932153](#) A 19760113 [
] (BYRNS JOHN);
 [US4111807](#) A 19780905 [
] (BOOMUS MARY, et al);
 [US4170056](#) A 19791009 [
] (MEYST RICHARD P [US], et al);
 [US4713900](#) A 19871222 [
] (CALLOWAY JR LUTHER [US], et
 al);
 [US4829641](#) A 19890516 [
] (WILLIAMS JOHN W [US]);
 [US4874513](#) A 19891017 [
] (CHAKRABORTY ASOK [DE], et
 al);
 [US4986904](#) A 19910122 [
] (BUGAR ROBERT [DE], et al);
 [EP0202884](#) A2 19861126 [
] (KARA INTERNATIONAL INC [US]);
 [DE2837058](#) A1 19800306 [
] (SCHLEICHER & SCHUELL GMBH)
 CCI - [B01D29/012](#) ; [B29C65/08](#) ;
 [B29C65/5042](#) ; [B29C66/124](#) ;
 [B29C66/1312](#) ; [B29C66/305](#) ;
 [B29C66/306](#) ; [B29C66/5412](#) ;
 [G09F3/00](#)
 CCA - [B29L2031/14](#) ; [B01D2201/52](#) ;
 [F16B2200/509](#)
 PA - SCHLEICHER & SCHUELL GMBH [DE]
 TI - COLOR-CODED DISPOSABLE-
 FILTER HOLDER
 AB - The color coded disposable-filter
 holder 1 of the invention
 comprises of a first molded pane-
 like housing part 2 with an
 intake stub 3 and a second
 molded pane-like housing part 4
 comprising a discharge stub 5.
 The two housing parts 2, 4 are
 rigidly joined in pressure-
 resistant and **hermetic** manner

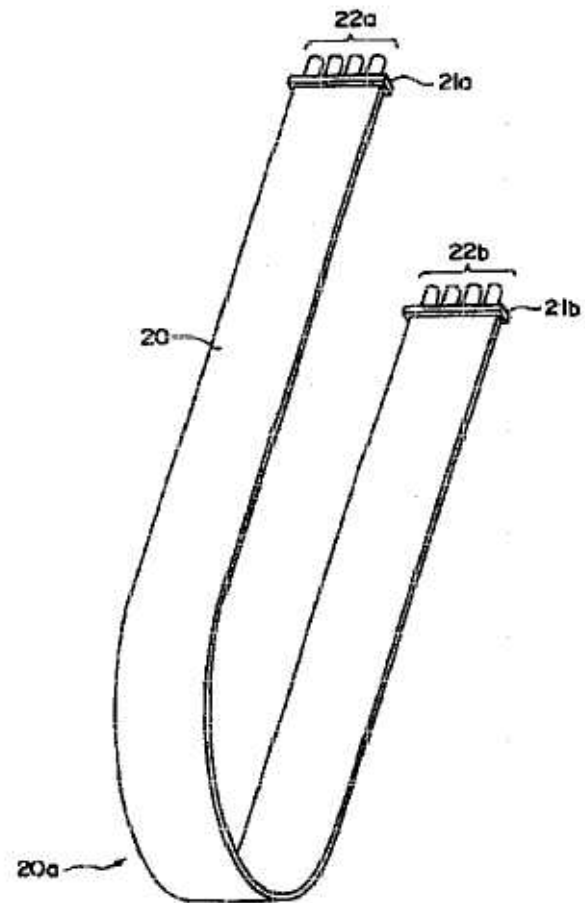


at their radially outer zones 7 pointing to each other while enclosing a planar filter 6. This disposable-filter holder is provided with a color coding consisting of a dyed plastic in the form of a prefabricated plastic ring or plastic clip 9 present in an annular groove 8 in the radially outer zone of the disposable-filter holder.

6/15 © EPODOC / EPO

- PN - [US2008211884](#) A1 20080904
- PNFP - US7824020 B2 20101102
- PR - JP20040127288
20040422; WO2005JP07168
20050413
- AP - US20070587155 20070820
- DT - **
- CT - || STSE (B2)
[US6981762](#) B2 20060103 [] (BRIDGESTONE CORP [JP])
- || R141 (A1)
[US6981762](#) B2 [];
[US2003218660](#) A1 []
- CCI - [B29C53/38](#) ; [B29C53/385](#) ;
[B41J2/175](#) ; [B41J2/17509](#) ;
[C08L53/00](#)
- CCA - [B29C65/4815](#) ; [B29C65/4845](#) ;
[B29C65/485](#) ; [B29C65/5057](#) ;
[B29L2023/005](#) ; [B29C66/133](#) ;
[B29C66/432](#) ; [B29C66/4322](#)
- PA - (A1)
BRIDGESTONE CORP AND SEIKO
EPS
- (B2)
BRIDGESTONE CORP [JP]; SEIKO
EPSON CORP [JP]
- TI - (A1 B2)
Liquid Feed Tube for Liquid
Jetting Device and Liquid Jetting
Device
- AB - (A1 B2)
A liquid feed tube for feeding a
liquid from a liquid tank

Fig. 2

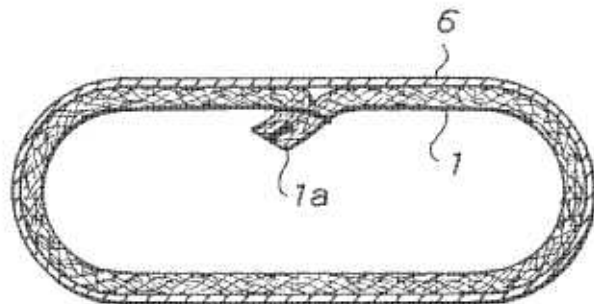


disposed on a liquid jetting device body side to a jetting head mounted on a reciprocating carriage, including: a long elastic member and a film member connected in an **airtight** state to the elastic member along a longitudinal direction of the elastic member; and a space part formed by the elastic member and the film member and used as a liquid feed passage, wherein the elastic member is made of a specific resin composition. Thus, the bending rigidity of the liquid feed tube can be lowered, and the resistance to moisture permeability and the gas barrier property thereof can be realized at low cost.

7/15 © EPODOC / EPO

- PN - [KR20000029291](#) A 20000525
- PR - JP19980303728 19981026
- AP - KR19990046439 19991025
- DT - I
- CCI - [B29C65/5042](#) ; [B29C65/505](#) ;
[B29C65/62](#) ; [B29C66/038](#) ;
[B29C66/1122](#) ; [B29C66/1142](#) ;
[B29C66/133](#) ; [B29C66/1352](#) ;
[B29C66/4322](#) ; [B29C66/72341](#) ;
[B29C66/7294](#) ; [B29C53/48](#) ;
[F16L55/1651](#) ; [F16L55/1656](#)
- CLC - [B29C66/71](#) , [B29K2023/086](#) , ADD
- [B29C66/71](#) , [B29K2075/00](#) , ADD
- [B29C66/71](#) , [B29K2077/00](#) , ADD
- CCA - [B29K2995/0067](#) ;
[B29L2023/006](#) ; [B29C65/4815](#) ;
[B29C66/71](#) ; [B29C66/836](#) ;
[B29L2009/00](#)
- PA - SHONAN COSEI JUSHI
SEISAKUSHO; GET INC; OAR CO;
YOKOSHIMA CORP
- TI - METHOD FOR PRODUCING PIPE
LINING MATERIAL
- AB - PURPOSE: A method for

Fig. 9



producing a pipe lining material is provided to increase a bonding speed and to make a sealing process simple after bonding. CONSTITUTION: A pipe lining material is produced by impregnating a hardening resin into a pipe shaped resin absorber(1) of which the outer surface is covered with an **airtight** plastic film(6). The resin absorber is processed in a pipe shape by bending the band shaped resin absorber, horizontally overlapping the both ends of the resin and sewing the overlapping part in a state of remaining a sewing stand. Therefore, the bonding speed is increased compared with the present lock sewing. Also, the sealing process is simple and the sewing stand does'n't obstruct the sealing of the bonding part by the plastic film since the sewing stand part is placed inward the resin absorber.

8/15 © EPODOC / EPO

PN - [KR20000023131](#) A 20000425

PNFP - KR100574270B B1 20060427

PR - JP19980272177 19980925

AP - KR19990039289 19990914

DT - I

CT - || STSE (B1)
[US5698056](#) A 19971216 [] (KAMIYAMA TAKAO [JP], et al);
[JPH10235736](#) A 19980908 [] (SHONAN GOSEI JUSHI SEISAKUSHO, et al);
[KR19980041875](#) A 00000000 []

CCI - [B29C65/18](#) ; [B29C65/26](#) ; [B29C65/4815](#) ; [B29C65/5021](#) ; [B29C65/5028](#) ; [B29C65/505](#) ;
[B29C66/1142](#) ; [B29D23/001](#) ; [B29C66/4322](#) ; [B32B7/08](#) ; [B29C66/72341](#) ;
[B29C66/83413](#) ; [B29C66/836](#)

CLC - [B29C66/71](#) , [B29K2077/00](#) , ADD
- [B29C66/71](#) , [B29K2075/00](#) , ADD
- [B29C66/71](#) , [B29K2023/086](#) , ADD

CCA - [B29C66/72325](#) ; [B29K2995/0067](#) ; [B29L2023/006](#) ; [B29C65/5042](#) ; [B29C65/62](#) ;
[B29C66/1122](#) ; [B29C66/71](#) ; [B29C66/7294](#) ; [B29C66/8322](#) ; [B29C53/38](#) ;

[Y10T156/1038](#) ; [Y10T428/1362](#) ; [Y10T428/139](#)

- PA - (A)
SHONAN GOSEI JUSHI SEISAKUSHO; GET INC; OAR CO; YUGEN KAISHA YOKOHAMA
- TI - (A)
METHOD FOR PRODUCING PIPE LINER
- (B1)
METHOD OF MANUFACTURING A PIPE LINER BAG
- AB - (A)
PURPOSE: A method for producing a pipe liner is provided to seal a sewing part with a simple process without a pinhole. CONSTITUTION: A pipe liner is produced by impregnating a hard resin into a pipe shaped resin absorber covered with a plastic film (3) having an outer surface of high **airtight**. A method for producing the pipe liner is completed by remaining a sewing stand in both crosswise ends of the absorber and melting the plastic film narrower than the resin absorber on the surface of the absorber, overlapping both width directional ends by bending the resin absorber to turn the plastic film outside, fabricating the absorber into a pipe shape by sewing the overlapping part, melting a protecting tape on the sewing stand, and sealing the sewing part by melting a sealing ribbon tape(9) wider than the sewing protecting tape on the sewing protecting tape.

PN - [WO2005102710](#) A1 20051103

PR - JP20040127288 20040422

AP - WO2005JP07168 20050413

DT - **

CT - [JP] ISR (A1)
[JP2003320680](#) A 20031111
[Y] (SEIKO EPSON CORP);
[JP2000038460](#) A 20000208
[Y] (KANEGAFUCHI CHEMICAL IND);
[JPH0570659](#) A 19930323
[Y] (ASAHI CHEMICAL IND)

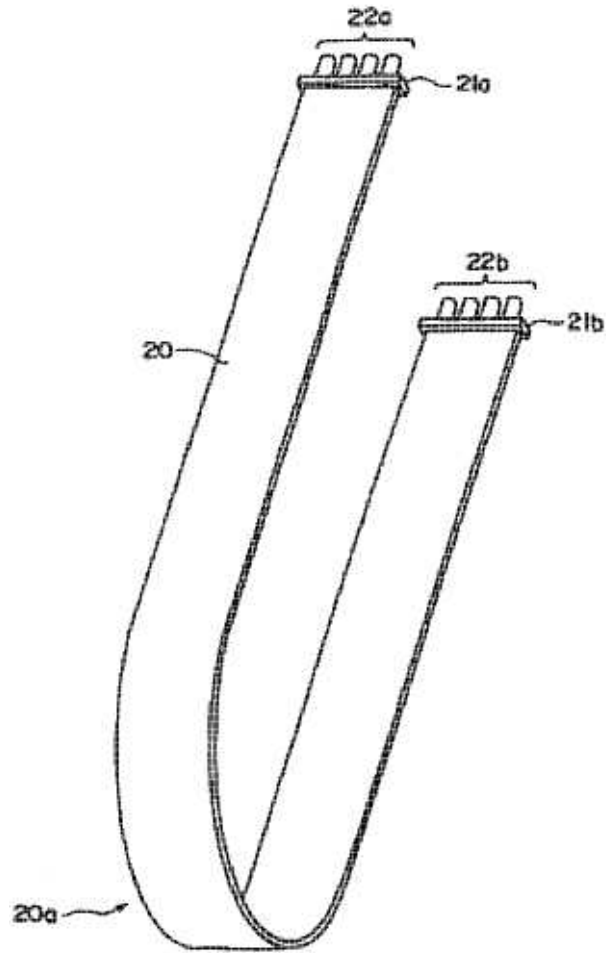
CCI - [B29C53/38](#) ; [B29C53/385](#) ;
[B41J2/175](#) ; [B41J2/17509](#) ;
[C08L53/00](#)

CCA - [B29C65/4815](#) ; [B29C65/4845](#) ;
[B29C65/485](#) ; [B29C65/5057](#) ;
[B29L2023/005](#) ; [B29C66/133](#) ;
[B29C66/432](#) ; [B29C66/4322](#)

PA - BRIDGESTONE CORP [JP]; SEIKO EPSON CORP [JP]; SAITO YOKOU [JP]; UTSUNOMIYA TADASHI [JP]; KUMAGAI TOSHIO [JP]; MATSUMOTO HITOSHI [JP]; TAKEMURA MASANORI [JP]; SAITO KAZUYUKI [JP]; SOYA YASUSHI [JP]

TI - LIQUID FEED TUBE FOR LIQUID JETTING DEVICE AND LIQUID JETTING DEVICE

AB - A liquid feed tube for a liquid jetting device feeding a liquid from a liquid tank disposed on a liquid jetting device body side to a jetting head mounted on a reciprocating carriage, comprising a long elastic member and a film member joined, **airtight**, to the elastic member along the longitudinal direction of the elastic member. A space part formed by the elastic member and the film member is used as a liquid feed passage, and the elastic member is formed of a specific resin composition. Thus, the bending rigidity of the liquid feed tube



can be lowered, and the
resistance to moisture
permeability and the resistance
to gas barrier properties thereof
can be realized at low cost.

10/15 © EPODOC / EPO

- PN - [JP2000094549](#) A 20000404
- PNFP - JP3790052B B2 20060628
- PR - JP19980272177 19980925
- AP - JP19980272177 19980925
- DT - I
- CCI - [B29C65/18](#) ; [B29C65/26](#) ; [B29C65/4815](#) ; [B29C65/5021](#) ; [B29C65/5028](#) ; [B29C65/505](#) ;
[B29C66/1142](#) ; [B29D23/001](#) ; [B29C66/4322](#) ; [B32B7/08](#) ; [B29C66/72341](#) ;
[B29C66/83413](#) ; [B29C66/836](#)
- CLC - [B29C66/71](#) , [B29K2077/00](#) , ADD
- [B29C66/71](#) , [B29K2075/00](#) , ADD
- [B29C66/71](#) , [B29K2023/086](#) , ADD
- CCA - [B29C66/72325](#) ; [B29K2995/0067](#) ; [B29L2023/006](#) ; [B29C65/5042](#) ; [B29C65/62](#) ;
[B29C66/1122](#) ; [B29C66/71](#) ; [B29C66/7294](#) ; [B29C66/8322](#) ; [B29C53/38](#) ;
[Y10T156/1038](#) ; [Y10T428/1362](#) ; [Y10T428/139](#)
- FI - B29C63/36; B32B1/08&A; B32B27/04&Z; B32B3/02; B32B7/08&A; B32B7/12;
F16L1/00&J; F16L55/16; F16L55/165; F16L58/10
- FT - 3H024/EA01; 3H024/EB02; 3H024/EC07; 3H024/ED01; 3H025/EA01; 3H025/EB23;
3H025/EC01; 3H025/ED02; 4F100/AK01B; 4F100/AK48A; 4F100/AK51A; 4F100/AK69A;
4F100/AR00A; 4F100/AR00B; 4F100/BA02; 4F100/BA05A; 4F100/BA07; 4F100/DA02;
4F100/DA15; 4F100/EJ82B; 4F100/GB90; 4F100/JB12B; 4F100/JD05; 4F100/JD14B;
4F100/JL02; 4F100/JL05; 4F100/YY00A; 4F211/AA19; 4F211/AA29; 4F211/AA31;
4F211/AA36; 4F211/AG03; 4F211/AG08; 4F211/AH43; 4F211/SA14; 4F211/SC03;
4F211/SD04; 4F211/SD11; 4F211/SD19; 4F211/SH18
- PA - (A)
SHONAN GOSEI JUSHI SEISAKUSHO; YOKOSHIMA & CO; GETTO KK; ALL KK
- TI - (A)
PREPARATION OF TUBE LINING MATERIAL
- AB - (A)
PROBLEM TO BE SOLVED: To surely perform sealing of a sewing part by a simple work
without bringing about generation of a pin hole. SOLUTION: In a method for preparing a
tube lining material prep'd. by impregnating a tubular resin adsorbing material 1 the
outer surface of which is covered with a highly **hermetic** plastic film with a curable
resin, the surface of a belt-like resin adsorbing material 1 is fused with the plastic film
3 with a narrower width than that of the resin adsorbing material 1 by leaving sewing
spaces on both ends in the width direction of the belt-like resin adsorbing material 1
and the resin adsorbing material 1 is folded so as to make the plastic film 3 on its
outside to pile up together the end parts in its width direction and after the piled parts
are lock-sewn and the resin adsorbing material 1 is processed into a tubular shape, a
sewing protective tape 8 is fused or bonded on the sewing space part contg. the sewing

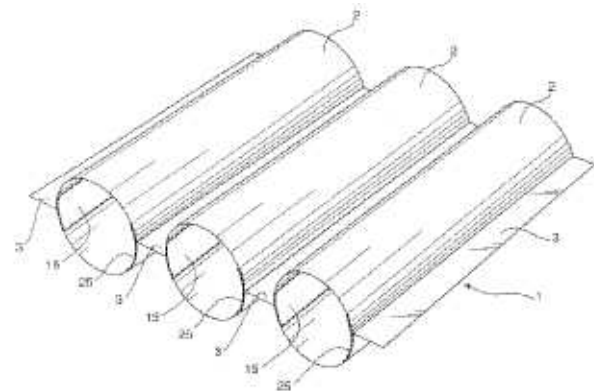
part of the resin adsorbing material 1 and a **hermetic** ribbon tape 9 with a wider width than the sewing protective tape 8 is fused or bonded on the sewing protective tape 8 to process hermetically the sewing part.

11/15 © EPODOC / EPO

- PN - [JPH03118807](#) A 19910521
- PR - EP19890118146 19890929
- AP - JP19900260276 19900928
- DT - I
- CCI - [B01D29/012](#) ; [B29C65/08](#) ; [B29C65/5042](#) ; [B29C66/124](#) ; [B29C66/1312](#) ; [B29C66/305](#) ; [B29C66/306](#) ; [B29C66/5412](#) ; [G09F3/00](#)
- CCA - [B29L2031/14](#) ; [B01D2201/52](#) ; [F16B2200/509](#)
- FI - B01D29/04; B01D29/04&510A; B01D29/04&510F; B01D29/04&520; B01D29/04&530A
- FT - 4D016/BA01; 4D016/BA08; 4D016/BB00; 4D016/BC01
- PA - SHIYURAIHERU & SHIYUULE GMBH
- TI - COLOR-MARKED THROWAWAY FILTER HOLDER
- AB - PURPOSE: To separate a **hermetic** sealing function and an end-sealing function and to provide a holder having reliability and a characteristic of stable coloration by forming a color coding of a ready-made plastic ring or plastic clipping. CONSTITUTION: This holder has a first case member 2 which is formed to a disk shape and has an inflow pipe 3 and a second case member 4 which is formed to the same disk shape and has an outflow pipe 5. Both members 2, 4 are tightly and securely coupled in pressure resistant manner across a disk- shaped filter 6 in the range where both face each other in their radial direction. The coding thereof is adapted to exist within a ring groove 8 on the radial outer periphery of the disposable filter holder 1. The color coding is formed of the ready-made plastic ring or plastic clipping. As a result, the disposable filter holder which separates the **hermetic** sealing function and the end-sealing function, has the reliability and has the characteristic of the stable coloration is obtd.

12/15 © EPODOC / EPO

- PN - [FR2856008](#) A1 20041217
- PNFP - FR2856008 B1 20050916
- PR - FR20030007162 20030613
- AP - FR20030007162 20030613
- DT - *; Rep
- CT - || STSE (A1)
[FR1038106](#) A 19530925
 [YXA] (LE CAOUTCHOUC S I T)
 [Y] 1
 * the whole document *
 [X] 10
 [A] 2-9,11;
[CH559133](#) A5 19750228
 [Y] (GOODYEAR TIRE & RUBBER)
 [Y] 1



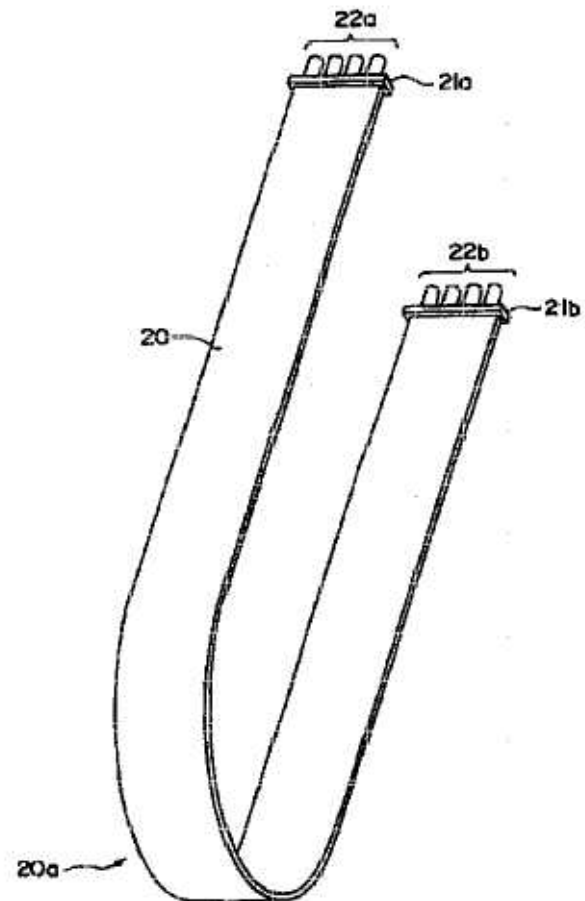
	* column 2, line 35 - column 3, line 5; figure 2 * * column 4, lines 4-8 *; FR2548587 A1 19850111 [A] (SEVYLORINTERNATIONAL [FR]) [A] 1-11 * page 4, lines 7-13; figure 5; claims 3,4 * * page 4, line 31 - page 5, line 10 *; US6489006 B1 20021203 [A] (KESHAVARAJ RAMESH [US]) [A] 1-11 * page 6, line 47 - page 7, line 19; figures 2,3; claim 1 *
CCI	- B29C65/5021 ; B29C65/5028 ; B29C65/5042 ; B29C66/004 ; B29C66/1122 ; B29C66/133 ; B29C66/43 ; B29C66/432 ; B29C66/439 ; B29C66/723 ; B29C66/729 ; B29C53/385
CLC	- B29C66/71, B29K2067/00, ADD - B29C66/71, B29K2077/00, ADD
CCA	- B29K2995/0067 ; B29K2105/0809 ; B29L2031/601 ; B29K2267/00 ; B29L2022/02 ; B29L2031/602 ; B29C65/4815 ; B29C65/4835 ; B29L2023/005 ; B29C66/547 ; B29C66/71 ; B29L2009/00 ; B29K2313/02 ; B29K2277/00 ; Y10T156/1051 ; Y10T428/1362
PA	- (A1 B1) PENNEL IND SA [FR]
TI	- (A1) Continuous manufacturing process for coated fabric sleeve e.g. for inflatable pneumatic structures uses folded strips placed between two coated layers
AB	- (A1) The process, designed to produce a sleeve (1) with at least one airtight tube (2) from two superimposed layers of a coated fabric, consists of cutting strips (15, 25) from a separate layer of

fabric, coated on one face, applying adhesive to the non-coated face and folding them in half lengthwise with the adhesive on the inside to hold them together. The folded strips are then fixed in pairs at appropriate intervals to one of the layers of coated fabric with their open edges facing one another. An anti-adhesive coating is applied between them, and the second layer is stuck on top of the first, creating one or more tubular sections that can be inflated, with connecting strips (3) between them.

13/15 © EPODOC / EPO

- PN - [EP1741559](#) A1 20070110
- PNFP - EP1741559 A4 20100623
- EP1741559 B1 20131009
- PR - WO2005JP07168
20050413; JP20040127288
20040422
- AP - EP20050730513 20050413
- DT - *; Rep
- CT - || STSE (A4)
[JP2003320680](#) A 20031111
[Y] (SEIKO EPSON CORP)
[Y] 1,2,5
* abstract *;
[JPH07118492](#) A 19950509
[Y] (KURARAY CO)
[Y] 1,2,5
* abstract *;
[US6003981](#) A 19991221
[A] (CAMERON JAMES [US], et al)
[A] 1,2,5
* column 6, line 48 - column 7,
line 65 *
* column 8, line 38 - column 9,
line 30 *
- CCI - [B29C53/38](#) ; [B29C53/385](#) ;
[B41J2/175](#) ; [B41J2/17509](#) ;
[C08L53/00](#)
- CCA - [B29C65/4815](#) ; [B29C65/4845](#) ;

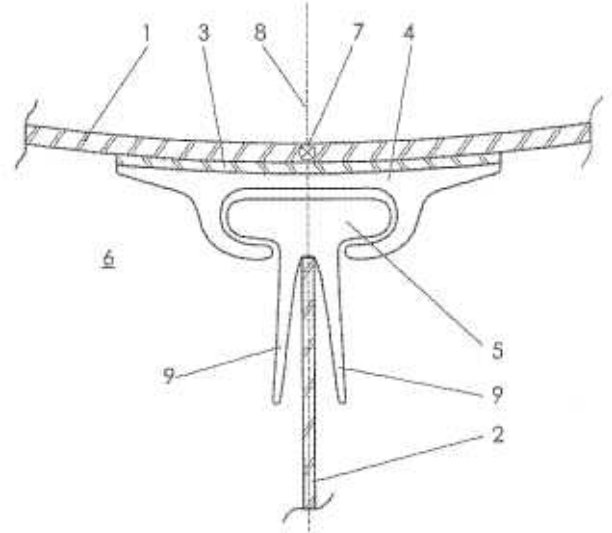
Fig. 2



[B29C65/485](#) ; [B29C65/5057](#) ;
[B29L2023/005](#) ; [B29C66/133](#) ;
[B29C66/432](#) ; [B29C66/4322](#)

- PA - (A1 A4 B1)
BRIDGESTONE CORP [JP]; SEIKO
EPSON CORP [JP]
- TI - (A1 A4 B1)
LIQUID FEED TUBE FOR LIQUID
JETTING DEVICE AND LIQUID
JETTING DEVICE
- AB - (A1)
A liquid feed tube for feeding a
liquid from a liquid tank
disposed on a liquid jetting
device body side to a jetting
head mounted on a reciprocating
carriage, including: a long
elastic member and a film
member connected in an **airtight**
state to the elastic member along
a longitudinal direction of the
elastic member; and a space part
formed by the elastic member
and the film member and used as
a liquid feed passage, wherein
the elastic member is made of a
specific resin composition. Thus,
the bending rigidity of the liquid
feed tube can be lowered, and
the resistance to moisture
permeability and the gas barrier
property thereof can be realized
at low cost.

PN - [WO2008040133](#) A1 20080410
 PR - CH20060001590 20061006
 AP - WO2007CH00473 20070926
 DT - *; Rep
 CT - |EP| ISR (A1)
 [GB912620](#) A 19621212
 [XA] (VIKTOR BERCOVITZ)
 [X] 1-10
 * the whole document *
 [A] 11-21;
 [US679680](#) A 19010730
 [XA] (LANGER GUSTAVE F H [US])
 [X] 1-4
 * the whole document *
 [A] 5-21;
 [FR730034](#) A 19320805 [XA] (A
 NISSINEN)
 [X] 1-4
 * page 2, line 36 - page 4,
 line 78; figures 1-13 *
 [A] 5-21;
 [FR2233801](#) A5 19750110
 [XA] (KLEBER COLOMBES [FR])
 [X] 1-4
 * page 2, line 18 - page 4,
 line 12; figures 1-4 *
 [A] 5-21;
 [US4826715](#) A 19890502 [A] (LEE
 MICHAEL [US])
 [A] 1-21
 * the whole document *;
 [GB1335144](#) A 19731024
 [A] (HUTCHINSON CIE ETS)
 [A] 1-21
 * the whole document *
 CCI - [A47C27/081](#) ; [A47C27/087](#) ;
 [B29C65/5071](#) ; [B29C65/5085](#) ;
 [B29C65/56](#) ; [B29C65/58](#) ;
 [B29C66/0242](#) ; [B29C66/028](#) ;
 [B29C66/1122](#) ; [B29C66/45](#) ;
 [B29C66/474](#) ; [B29C66/96](#) ;
 [B29C66/98](#) ; [B63B7/082](#)
 CLC - [B29C66/863](#) , [B29C65/00](#) , ADD
 CCA - [B29L2022/02](#) ; [B29C65/5028](#) ;
 [B29C65/5092](#) ; [B29C66/863](#) ;
 [B29C59/16](#)
 PA - TECNOTEX GMBH [CH]; LEUTERT



RUDI [CH]

- TI - PNEUMATIC HOLLOW MEMBER
- AB - The invention relates to a pneumatic hollow member (6) comprising an **airtight** cover (1) and webs (2) made of fabric, for example. First molded pieces (4) are glued to the cover (1), e.g. by means of a fabric tape (3). Second molded pieces (5) which fit into the first molded pieces with enough play and can be displaced there are also glued to the webs (2). The second molded pieces (5) are provided with two flaps (9), for example, which embrace the webs (2). The tape (3) runs along a predetermined connecting line (7) which also defines a local plane of symmetry (8). When the hollow member (6) is filled with compressed air, the same is tensioned by means of the applied pressure. The shape of the hollow member (6) is defined by the webs (2), and the pressure is diverted to the webs (2) via the first and second molded pieces (4, 5).

15/15 © EPODOC / EPO

- PN - [CA1225224](#) A 19870811
- PR - JP19830099509 19830606; JP19830099511 19830606
- AP - CA19840455437 19840530
- DT - I
- CCI - [B29C65/4825](#) ; [B29C65/5021](#) ; [B29C65/5042](#) ; [B29C65/562](#) ; [B29C65/62](#) ; [B29C65/72](#) ; [B29C66/1122](#) ; [B29C66/223](#) ; [B29C66/43](#) ; [B29C66/71](#) ; [B29C66/72341](#) ; [B29C66/72343](#) ; [B29C66/7292](#) ; [C09J5/10](#) ; [D06H5/00](#)
- CLC - [B29C66/71](#) , [B29K2021/00](#) , INV
- CCA - [B29C66/72326](#) ; [B29C65/4815](#) ; [B29C66/72321](#) ; [B29L2009/00](#) ; [Y10T428/19](#) ; [Y10T428/2405](#)
- PA - TORAY SILICONE CO
- TI - JOINTED, REINFORCED, ELASTOMER-COATED FABRIC MATERIAL
- AB - JOINTED, REINFORCED, ELASTOMER-COATED FABRIC MATERIAL A jointed watertight, **airtight**, elastomer-coated material is described. The material consists

essentially of a first elastomer-coated fabric material (1) and a second elastomer-coated fabric material (2), said second material being overlaid at an edge over an edge of the first material. The overlaid portion of each material is laminated to the other with a pressure-sensitive adhesive (3) intercalated between the two materials. The laminated portion is further bound with a fastener which penetrates across the laminated portion in an up-and-down manner. Typical fasteners are thread (4) rivets (5), or bolts. The jointed material can be further bound by a tacky tape (40) which is adhered on the bound portion of one material and the unbound portion of the other material, covering the joint between the edges of the two materials. The jointed waterproof, **airtight**, elastomer-coated fabric material is particularly useful for air-supported structures.

[SS 13] || STSE (A3) DE102005047511 A1 20070405 [XIA] (CONTI TEMIC MICROELECTRONIC [DE]) [X] 1,3,6,8
* para

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[SS 13] 7 and 10

Results in EPODOC 1

[SS 14] ..li ss13

'SS13' is an invalid field. *ERROR(-50860)*

[SS 14] ..li 13

The (interval of) document number(s) is out of range. *ERROR(-50603)*

[SS 14] ..li 14

The (interval of) document number(s) is out of range. *ERROR(-50603)*

[SS 14] ..li pn ti

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[SS 14] 7 and 10

Results in EPODOC 1

[SS 15] ..li

Unknown command or preparation. [More info](#) *ERROR(-104000)*

[SS 15] 7 and (elastomer* or rubber or caoutchouc)

Results in EPODOC 134

EPODOC: term 'ELASTOMER*' not found in index 'BI'. WARNING(1)

[SS 16] 7 and (elastomer? or rubber or caoutchouc)

Results in EPODOC 168

[SS 17] 16 and (contain? or cylind?)

Results in EPODOC 13

[SS 18] .. li ss 17

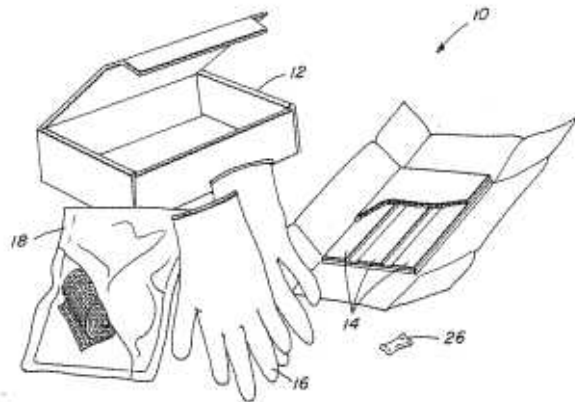
Unknown command or preparation. [More info](#) ERROR(-104000)

[SS 18] ..li



1/13 © EPODOC / EPO

PN - [US4681986](#) A 19870721
PR - US19860832072 19860224
AP - US19860832072 19860224
DT - *; Rep
CT - || STSE (A)
[US2967795](#) A 19610110 [
] (WAYNE BOLLMEIER EMIL, et al);
[US3580756](#) A 19710525 [
] (KASHARA TOSHIO, et al);
[US3691505](#) A 19720912 [
] (GRAVES RALPH L);
[US3781458](#) A 19731225 [] (MAY
F);
[US3876454](#) A 19750408 [
] (SNELL ROBERT B, et al);
[US4107451](#) A 19780815 [
] (SMITH JR ROBERT W, et al);
[US4411262](#) A 19831025 [] (VON
BONIN WULF [DE], et al);
[US4427002](#) A 19840124 [
] (BARON KENNETH S [US], et al);
[US4545830](#) A 19851008 [
] (DIENES ZOLTAN B [US], et al)
CCI - [B29C73/04](#) ; [B29C73/24](#) ;
[C08G18/10](#) ; [H02G1/145](#) ;



[H02G15/003](#)

CLC - [C08G18/10](#), [C08G18/302](#) , INV

CCA - [B29K2023/22](#) ; [Y10T29/49194](#)

PA - ROYSTON LAB [US]

TI - Splice construction for electrical cable and method for making the same

AB - A kit comprising materials for protecting splices of electrical cables. Such splices as must be maintained underground between cables used in providing cathodic protection against corrosion to buried pipelines. The kit **contains** (a) a malleable butyl **rubber** composition having good low-temperature brittleness and exhibiting some cold flow characteristics, (b) a restraining fabric impregnated with a curable resin such as moisture-curable polyurethane which is characterized by good shelf life and a controlled curing speed when subjected to moisture. The invention also relates to the novel protected spliced structures which are formed by use of the kit material.

2/13 © EPODOC / EPO

PN - [US2006213605](#) A1 20060928

PR - JP20040065921 20040309; WO2005JP03479 20050302

AP - US20050566499 20050302

DT - *; Rep

CT - || R141 (A1)
[US2004010090](#) A1 20040115 [] (CHINO KEISUKE [JP], et al)

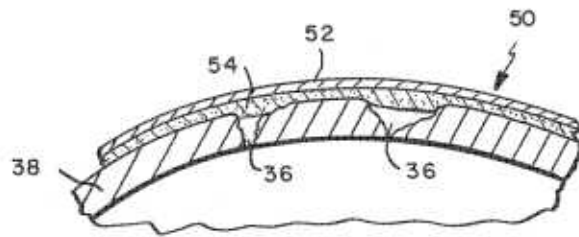
CCI - [B29C65/4815](#) ; [B29C65/5057](#) ; [B29C66/71](#) ; [B29C66/73754](#) ; [B29C66/73941](#) ; [C08F8/30](#) ; [C09J123/16](#) ; [B29C65/425](#) ; [B29C66/73756](#) ; [B29C65/405](#)

CLC - [B29C66/71](#), [B29K2021/00](#) , INV
- [B29C66/71](#), [B29K2023/16](#) , ADD
- [B29C66/71](#), [B29K2019/00](#) , INV
- [B29C66/71](#), [B29K2009/06](#) , ADD
- [B29C66/71](#), [B29K2009/00](#) , ADD
- [B29C66/71](#), [B29K2007/00](#) , ADD

- CCA - [B29K2021/00](#) ; [B29K2021/003](#) ; [C08L23/16](#) ; [C08L51/04](#) ; [C08L51/06](#) ; [C08L2666/24](#) ; [B29K2101/12](#) ; [B29K2105/24](#)
- TI - Method for adhesive-bonding vulcanized **rubber** compositions by the use of thermoplastic **elastomer** compositions
- AB - An object of the present invention is to provide a method of adhering a vulcanized **rubber** composition using a thermoplastic **elastomer** composition capable of maintaining recycling property and excellent in adhesiveness. The above object is achieved by the following method of adhering a vulcanized **rubber** composition. A method of adhering a vulcanized **rubber** composition of the present invention is a method of adhering a vulcanized **rubber** composition using a thermoplastic **elastomer** composition. The thermoplastic **elastomer** composition **contains** a thermoplastic **elastomer** and a filler. The thermoplastic **elastomer** has: a monomer unit forming a **rubber** component of the vulcanized **rubber** composition on at least part of its main chain; and a side chain containing a structure represented by a predetermined structural formula, the structure having a carbonyl group and an imino group, and/or a nitrogen-containing heterocyclic ring. The method includes adhering a first member and a second member each composed of the vulcanized **rubber** composition through the thermoplastic **elastomer** composition.

3/13 © EPODOC / EPO

- PN - [US4756337](#) A 19880712
- PR - US19870009673
19870202; US19860832072
19860224
- AP - US19870009673 19870202
- DT - *; Rep
- CT - || STSE (A)
[US3235289](#) A 19660215 [] (JONES BLISS M);
[US3370998](#) A 19680227 [] (WISWELL JR GEORGE C);
[US3691505](#) A 19720912 [] (GRAVES RALPH L);
[US3770556](#) A 19731106 [] (EVANS J, et al);
[US3876454](#) A 19750408 [] (SNELL ROBERT B, et al);
[US4014370](#) A 19770329 [] (MCNULTY FRANK E);
[US4287034](#) A 19810901 [] (PIESLAK GEORGE, et al);
[US4357961](#) A 19821109 [] (CHICK DOUGLAS K);
[US4424246](#) A 19840103 [] (PIESLAK GEORGE [US], et al);
[US4472231](#) A 19840918 [] (JENKINS ROBERT F [US]);



	US4517234 A 19850514 [] (FISHER HOWARD Z [US]); US4585091 A 19860429 [] (BUDD GEORGE V [GB]); CA752289 A 19670207 [] (PIRELLI GENERAL CABLE WORKS); DE141889 C 00000000 []; JPS57110894 A 19820709 [] (SUMIKIN KAKO KK); GB2140529 A 19841128 [] (PILSWORTH NORMAN JOHN)
CCI	- B29C65/4825 ; B29C65/5042 ; B29C73/04 ; B29C73/24 ; B29C66/1122 ; B29C66/5326 ; C08G18/10 ; F16L55/1686 ; H02G1/145 ; H02G15/003 ; B29C65/484
CLC	- C08G18/10, C08G18/302 , INV - B29C66/71, B29K2011/00 , ADD
CCA	- B29C65/5021 ; B29C66/71 ; B29K2023/22
PA	- ROYSTON LAB [US]
TI	- Gasline repair kit
AB	- A kit comprising materials for sealing leaks in low-pressure gas lines. The kit contains, (a) optionally, a container of corrosion-resistant primer composition; and (b) a special laminated tape comprising a ply of rubber such as neoprene and a ply of pressure-sensitive conformable polyer-based adhesive material based on, e.g., ethylene-propylene rubber, and (c) a seal restraining fabric impregnated with a curable resin such as moisture-curable polyurethane which is characterized by good shelf life and a controlled curing speed when subjected to moisture. The tape of the invention also relates to the novel protective patch structures which are formed by use of the kit material.

PN	- US6328840 B1 20011211
PR	- US19980002956 19980105; JP19940263821 19941027; JP19950049509 19950309; JP19950049510 19950309; JP19950102029 19950426; JP19950182509 19950719; JP19950182510 19950719; US19950547291 19951024
AP	- US19980002956 19980105
DT	- *; Rep
CT	- STSE (B1) US3650874 A 19720321 [] (JOB CLAUDE, et al); US4450252 A 19840522 [] (FIELDHOUSE JOHN W [US]); US5759322 A 19980602 [] (COUREL JEAN-MARIE [FR], et al); GB469801 A 19370803 [] (BERNARD JAMES HABGOOD, et al); JPS5630844 A 19810328 [] (KINUGAWA RUBBER IND); JPS63139807 A 19880611 [] (YOKOHAMA RUBBER CO LTD); SU943262 A1 19820715 [] (VOLGOGRADSKY POLITEKH INST [SU])
CCI	- B29C65/483 ; B29C65/4835 ; B29C65/505 ; B29C66/12822 ; B29C66/12862 ; B29D30/56 ; B29C66/71 ; B29C66/73161 ; B29C66/73751 ; B29C66/73753 ; B29C66/73755 ; B29C66/7394 ; B29C66/73941 ; B29C66/8322 ; C08J5/128 ; B29C66/73756
CLC	- B29C66/14 , B29C65/00 , ADD - B29C66/71 , B29K2021/00 , INV
CCA	- B29C65/5057 ; B29C66/022 ; B29C66/1122 ; B29C66/1142 ; B29C66/14 ; B29C66/4344 ; B29C66/545 ; B29L2031/7092 ; B29C66/729 ; B29C66/7352 ; B29K2021/00 ; B29K2995/0072 ; B29C65/02 ; B29D2030/544 ; C08J2321/00 ; B29K2105/246 ; B29K2105/24 ; Y10T156/1039
PA	- BRIDGESTONE CORP [US]
TI	- Process for adhering vulcanized rubbers and process for producing rubber products using said process for adhering
AB	- A processes for adhering a vulcanized rubber to a vulcanized rubber or an unvulcanized rubber . Adhesion of vulcanized rubbers to each other is conducted by using at least one of the vulcanized rubbers before vulcanization thereof according to steps of: (1) laminating a sheet material which can easily be peeled from a surface of a rubber after vulcanization to a rough surface of the rubber before vulcanization, (2) vulcanizing a resultant laminate, (3) removing the sheet material from the vulcanized laminate immediately before adhesion of the vulcanized rubber in the laminate to another vulcanized rubber , and (4) adhering the vulcanized rubbers to each other according to a method of adhesion. The adhering of the vulcanized rubbers to each other is also conducted by using a rubber composition for adhesion inserted between the vulcanized rubbers without procedures using the sheet material. An unvulcanized rubber is used in place of another vulcanized rubber in the process for adhering a vulcanized rubber and an unvulcanized rubber to each other. A rubber composition for adhesion which contains sulfur in an amount greater than that of the vulcanized rubber may be used in the method of adhesion. Various types of rubber products, such as a large size rubber weir, a steep slope conveyor belt, a rubber gasket used for a joint portion of immersed elements for an immersed tunnel, and a retreaded

tire, can be produced by using the processes for adhering.

5/13 © EPODOC / EPO

- PN - [WO2005085377](#) A1 20050915
- PR - JP20040065921 20040309
- AP - WO2005JP03479 20050302
- DT - **
- CT - [JP] ISR (A1)
[JP2001096670](#) A 20010410 [X] (DAICEL CHEM);
[JP2004051814](#) A 20040219 [Y] (YOKOHAMA RUBBER CO LTD);
[JP2004035822](#) A 20040205 [Y] (YOKOHAMA RUBBER CO LTD);
[JPH08282400](#) A 19961029 [Y] (TOYO TIRE & RUBBER CO);
[JPH0834076](#) A 19960206 [Y] (SHOWA DENKO KK);
[JP2001288217](#) A 20011016 [A] (YOKOHAMA RUBBER CO LTD);
[JP2003329135](#) A 20031119 [A] (TOYO TIRE & RUBBER CO)
- CCI - [B29C65/4815](#) ; [B29C65/5057](#) ; [B29C66/71](#) ; [B29C66/73754](#) ; [B29C66/73941](#) ;
[C08F8/30](#) ; [C09J123/16](#) ; [B29C65/425](#) ; [B29C66/73756](#) ; [B29C65/405](#)
- CLC - [B29C66/71](#) , [B29K2021/00](#) , INV
- [B29C66/71](#) , [B29K2023/16](#) , ADD
- [B29C66/71](#) , [B29K2019/00](#) , INV
- [B29C66/71](#) , [B29K2009/06](#) , ADD
- [B29C66/71](#) , [B29K2009/00](#) , ADD
- [B29C66/71](#) , [B29K2007/00](#) , ADD
- CCA - [B29K2021/00](#) ; [B29K2021/003](#) ; [C08L23/16](#) ; [C08L51/04](#) ; [C08L51/06](#) ; [C08L2666/24](#) ;
[B29K2101/12](#) ; [B29K2105/24](#)
- PA - YOKOHAMA RUBBER CO LTD [JP]; KAKUBO TAKASHI [JP]; CHINO KEISUKE [JP]
- TI - METHOD FOR ADHESIVE-BONDING VULCANIZED RUBBER COMPOSITIONS BY THE USE OF THERMOPLASTIC ELASTOMER COMPOSITIONS
- AB - The invention aims at providing a method for adhesive-bonding vulcanized **rubber** compositions by the use of thermoplastic **elastomer** compositions with the recyclability retained and with excellent adhesive bonding properties and the aim is attained by a method for adhesive-bonding a vulcanized **rubber** composition by the use of a thermoplastic **elastomer** composition which method comprises adhesive-bonding the first member made of a vulcanized **rubber** composition to the second member made thereof through a thermoplastic **elastomer** composition comprising a thermoplastic **elastomer** and a filler wherein the thermoplastic **elastomer contains** in at least part of the backbone chain the same monomer units as those forming the **rubber** component of the vulcanized **rubber** composition and has pendants containing structures represented by a prescribed structural formula bearing both a carbonyl group and an imino group and/or pendants containing nitrogenous heterocycles.

6/13 © EPODOC / EPO

- PN - [JPH091672](#) A 19970107
- PNFP - JP3100872B B2 20001023
- PR - JP19950176832 19950619

AP	- JP19950176832 19950619
DT	- I
CCA	- Y02P20/149
FI	- B09B1/00&F; B29C65/50; B29C65/72; C09J121/00; C09J121/00+JDU; C09J5/10; C09J5/10+JGZ; E02B3/12; E02B7/00&A; E04B1/66&A; E04D5/14&N; E21D11/38&A
FT	- 2D018/DA03; 2D055/AA01; 2D055/HA02; 2D055/HA07; 2D055/LA02; 2D118/AA02; 2D118/AA03; 2D118/AA20; 2D118/AA28; 2D118/BA07; 2D118/BA14; 2D118/BA15; 2D118/CA07; 2D118/FA10; 2D118/GA12; 2D118/GA19; 2D118/GA22; 2D155/AA01; 2D155/HA02; 2D155/HA07; 2D155/LA02; 2E001/DA01; 2E001/DA05; 2E001/EA04; 2E001/FA18; 2E001/FA22; 2E001/FA29; 2E001/FA30; 2E001/GA06; 2E001/GA08; 2E001/GA24; 2E001/GA27; 2E001/GA28; 2E001/GA76; 2E001/HD11; 2E001/HE01; 2E001/KA01; 2E001/LA04; 2E001/LA05; 2E001/LA06; 2E001/LA15; 2E001/MA01; 2E001/MA02; 2E001/MA04; 2E001/MA06; 2E001/MA08; 2E001/MA11; 2E001/MA18; 2E109/AA07; 2E109/AB04; 2E109/BA06; 2E109/CA01; 2E109/CA02; 2E109/CA07; 2E109/CB02; 2E109/CB04; 2E109/DA03; 2E109/DB11; 2E109/EA00; 2E109/FA11; 4D004/AA46; 4D004/BB05; 4D004/BB06; 4D004/CC17; 4F211/AA45; 4F211/AD05; 4F211/AD16; 4F211/AD20; 4F211/AG03; 4F211/AH43; 4F211/TA03; 4F211/TA06; 4F211/TA15; 4F211/TC13; 4F211/TD11; 4F211/TN51; 4F211/TN53; 4F211/TN56; 4F211/TN80; 4J040/BA081; 4J040/BA111; 4J040/DA141; 4J040/DD021; 4J040/DE021; 4J040/DF011; 4J040/DF101; 4J040/DG021; 4J040/EE021; 4J040/JA05; 4J040/JA09; 4J040/JB11; 4J040/KA16; 4J040/LA06; 4J040/MA10; 4J040/MA12; 4J040/MB02; 4J040/MB03; 4J040/MB13; 4J040/NA12; 4J040/PA23; 4J040/PA41; 4J040/PA44; 4J040/PB01
PA	- (A) KUREHA ELASTOMER CO LTD; KAJIMA CORP; TOYO BOSEKI; NISSHIN TOKUSHU KENSETSU KK
TI	- (A) CONNECTING METHOD OF WATER-BARRIER SHEET
AB	- (A) PURPOSE: To assuredly prevent leakage of water from a juncture side of a water-barrier sheet by using, as an adhesive, a water absorbing adhesive which contains a water absorbing resin. CONSTITUTION: A water absorbing adhesive which contains a water absorbing resin is used as an adhesive. For the adhesive, a water absorbing adhesive comprising the water absorbing resin and a rubber adhesive or a thermoplastic resin adhesive is used. The water absorbing resin of 20-200 pts.wt. is preferable based on 100 pts.wt. of rubber component or thermoplastic resin component. For the rubber adhesive, a self-vulcanizing rubber adhesive is preferable. For the thermoplastic resin adhesive, a polypropylene, a polyethylene, and an EVA are preferable. That is, edge parts of water-barrier sheets 10A and 10B consisting of fiber sheet layers 12 and water-barrier outside face layers 11 layered on top and bottom faces of the fiber sheet layers 12 are superposed. In between the water-barrier sheets, a sheet formed of the adhesive is inserted so as to be an adhesive layer 13, and it is pressed by a roller. Next, the adhering parts are stitched together by a sewing thread 14.

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PN	- JPS5933375 A 19840223
PNFP	- JPS6232098B B2 19870713
PR	- JP19820142461 19820816

AP	- JP19820142461 19820816
DT	- I
CT	- STSE (A) JPS5684940 A 19810710 [] (MITSUBOSHI BELTING LTD)
CCI	- B29C65/483 ; B29C65/5021 ; B29C65/5042 ; B29C66/1122 ; B29C66/1142 ; B29C66/43
CLC	- B29C66/71 , B29C65/00 , INV - B29C66/71 , B29K2023/16 , ADD - B29C66/71 , B29K2023/22 , ADD - B29C66/71 , B29K2021/00 , ADD
CCA	- B29C66/71
FI	- B29C65/50; B29L31/00; C08L101/00; C08L21/00; C08L23/00+LBZ; C08L23/00+LCY; C08L23/00+LCZ; C08L23/16; C08L23/18; C08L7/00+LAY; C09J123/16; C09J123/18; C09J3/00+JBY; C09J3/00+JBZ; C09J5/00+JGZ; C09J5/10; C09J7/02&101
FT	- 4F211/AA09; 4F211/AA45; 4F211/AD20; 4F211/AG01; 4F211/AH43; 4F211/TA05; 4F211/TA09; 4F211/TA13; 4F211/TC08; 4F211/TD07; 4F211/TD11; 4F211/TN53; 4F211/TN54; 4F211/TN56; 4F211/TQ03; 4J002/BB151; 4J002/BB181; 4J002/DA046; 4J002/DE036; 4J002/DE157; 4J002/DG026; 4J002/EK016; 4J002/EK026; 4J002/EK056; 4J002/EK066; 4J002/EK076; 4J002/ES016; 4J002/EV147; 4J002/EV167; 4J002/EV346; 4J002/EV347; 4J002/EW166; 4J002/FD010; 4J002/FD020; 4J002/FD146; 4J002/FD157; 4J002/GF00; 4J004/AA04; 4J004/AA05; 4J004/AA07; 4J004/AA17; 4J004/AA18; 4J004/AA19; 4J004/AB01; 4J004/CA03; 4J004/CA04; 4J004/CC02; 4J004/FA10; 4J004/GA03; 4J040/BA201; 4J040/BA202; 4J040/DA121; 4J040/DA141; 4J040/DA142; 4J040/DB011; 4J040/DB012; 4J040/DN031; 4J040/DN032; 4J040/EB051; 4J040/EB052; 4J040/HA046; 4J040/HA086; 4J040/HA116; 4J040/HA136; 4J040/HB02; 4J040/HB20; 4J040/HB21; 4J040/HB41; 4J040/HC17; 4J040/HC26; 4J040/HD05; 4J040/HD09; 4J040/HD10; 4J040/HD19; 4J040/HD21; 4J040/JA09; 4J040/JB09; 4J040/KA16; 4J040/KA17; 4J040/KA26; 4J040/KA31; 4J040/LA01; 4J040/LA06; 4J040/MA11; 4J040/MA12; 4J040/MB03; 4J040/MB09; 4J040/MB14; 4J040/MB15; 4J040/NA12; 4J040/PA23; 4J040/PA33
PA	- (A) MITSUBOSHI BELTING LTD
TI	- (A) JOINING OF WATERPROOF SHEETS
AB	- (A) PURPOSE:To join waterproof sheets with each other strongly with a high operating efficiency, by using an adhesive tape prepared by laminating a film of a self-vulcanizing adhesive consisting of a rubbery polymer which contains vulcanizing agent, etc. on a base sheet made from a vulcanized rubber . CONSTITUTION:An adhesive tape 2 is prepared by laminating a film 3 of a self- vulcanizing adhesive obtained by adding vulcanizing agent, etc. to a rubbery polymer such as ethylene/propylene terpolymer or butyl rubber and having a Monney viscosity of 5-20, on a base sheet 4 made from vulcanized rubber such as ethylene/propylene terpolymer or butyl rubber . The adhesive tape 2 is attached over a butt or lap joint of waterproof sheets 1 and 1' consisting of vulcanized rubber . The joint is pressed by means of a roller, etc. and the adhesive film 3 of the adhesive tape 2 is allowed to undergo self-vulcanization.

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PN - [GB1107925](#) A 19680327

PR - US19660522148 19660121

AP - GB19660045965 19661014

DT - **

CCI - [B29C65/42](#) ; [B29C65/4815](#) ;
[B29C65/5071](#) ; [B29C66/1122](#) ;
[B29C66/43](#) ; [B29C66/81457](#) ;
[B29C66/83413](#) ; [B32B27/00](#)

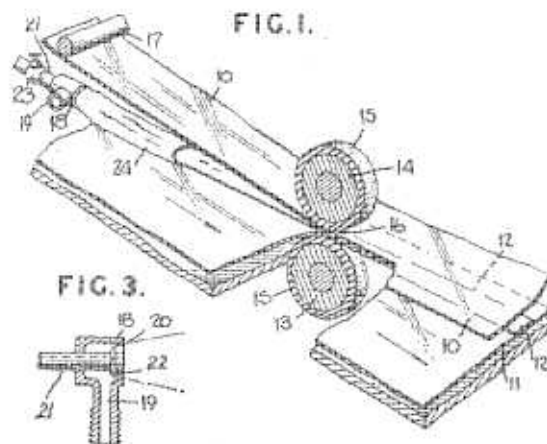
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- [B29C66/71](#) , [B29K2027/08](#) , ADD
- [B29C66/71](#) , [B29K2027/06](#) , ADD
- [B29C66/71](#) , [B29K2023/12](#) , ADD
- [B29C66/71](#) , [B29K2023/06](#) , ADD
- [B29C66/71](#) , [B29K2023/00](#) , ADD

CCA - [B29C66/71](#) ; [B29C66/72328](#) ;
[B29C66/934](#) ; [B29C66/939](#) ;
[B29C65/425](#) ; [Y10T428/24752](#)

PA - ST REGIS PAPER CO

TI - Processes for bonding sheet materials with thermoplastic resins

AB - 1,107,925. Seaming non-metallic sheet material. ST. REGIS PAPER CO. 14 Oct., 1966 [21 Jan., 1966], No. 45965/66. Heading B5K. Two opposed sheet surfaces are continuously bonded together by progressively drawing together at a nip 16 the two surfaces having disposed between them an inflated tubular strand 24 of molten thermoplastic resin which is fed between the sheet surfaces in advance of the nip 16. As shown, two webs 10, 11 or a folded single web of sheet material, e.g. paper, are continuously advanced by pinch rollers 13, 14 defining the nip 16 and covered with resilient material, e.g. **rubber**. The bonded web is further advanced by rollers or other means (not shown). A roll 17 guides the edge of the web 10 so that the webs



10, 11 converge towards the nip 16 at a small acute angle, e.g. 10-15 degrees. The strand 24 is extruded from an annular channel in a die 18, Fig. 3, this channel being formed between a nozzle 20 and a flange 22 of a conduit 21 which supplies an inert non-flammable gas, e.g. air. The thickness of the strand 24 may be changed by using a different die having a nozzle 20 and/or a flange 22 of different dimensions or by replacing the flange 22 with another flange. The gas pressure is adjustable by a valve 23 so that the strand 24 is inflated to the desired size. Specified thermoplastic resins are polymers of olefins, e.g. ethylene and propylene, vinyl chloride, vinyl acetate and vinylidene chloride. copolymers of these monomers and a blend of these resins. The resins may **contain** a plasticizer. The invention is applicable to forming the side seams of bags.

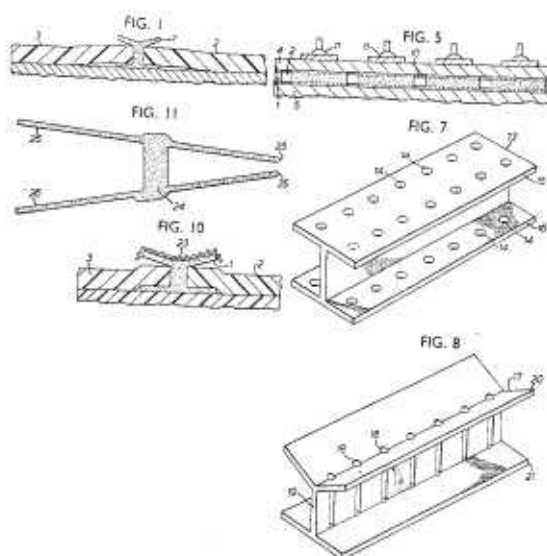
9/13 © EPODOC / EPO

PN - [GB922746](#) A 19630403
 PR - DE1958P021605 19581028
 AP - GB19590036621 19591028
 DT - *; Rep
 CCI - [B29C65/48](#) ; [B29C65/5057](#) ; [B29C66/1122](#) ; [B29C66/1162](#) ; [B29C66/43](#) ; [B29C66/71](#) ; [B29C66/72343](#) ; [E04B1/66](#) ; [E04D3/38](#) ; [E04D5/14](#) ; [E04D5/148](#)
 CLC - [B29C66/71](#) , [B29K2027/06](#) , INV
 - [B29C66/71](#) , [B29K2023/22](#) , INV
 CCA - [B29C66/729](#)
 PA - RHEINISCHE GUMMI & CELLULOID
 TI - A process of effecting fluid-tight adhesion between overlappings of insulating and covering sheets, and materials therefor
 AB - 922,746. Seaming non-metallic sheet material. RHEINISCHE GUMMI-UND CELLULOID-FABRIK. Oct. 28, 1959 [Oct. 28, 1958], No. 36621/59. Class 42 (1). In a process for effecting fluid-tight adhesion between overlapping of insulating and covering sheets of thermoplastic synthetic materials having an elasticity similar to **rubber**, thermoplastic

water-insoluble and water-impermeable intermediate strips are placed between the sheets at the overlapping areas, the strips consisting of suitable material having on both sides at least a surface layer of a synthetic plastic agglutinant comprising lower molecular weight polyisobutylene, or mixtures of polyisobutylenes of various molecular weights or alternatively consisting entirely of polyvinyl chloride containing a non-volatile or difficultly volatile plasticizer and exhibiting agglutinating properties with respect to the sheets and neither flowing-off nor becoming brittle under open-air temperature conditions, and the strips and sheets are bonded together by pressure. The agglutinants may **contain** fillers &c. and the strips may **contain** laminates of materials which do not have agglutinating properties. Fig. 2 shows a section through a fluid-tight joint at the overlapping of two sheets 1 and 2. An intermediate strip is placed at the overlapping area between the bevelled sheets and pressure is applied to the joint to form a seal. The strip consists of agglutinating layer 7 having embedded therein a tissue or non- agglutinating plastic layer 8.

10/13 © EPODOC / EPO

- PN - [GB1512727](#) A 19780601
- PR - US19740476895 19740606
- AP - GB19750024289 19750605
- DT - **
- CCI - [B29C65/4815](#) ; [B29C65/4835](#) ;
[B29C65/5071](#) ; [B29C65/5085](#) ;
[B29C66/1142](#) ; [B29C66/43](#) ;
[C08J5/128](#)
- CLC - [B29C66/71](#) , [B29K2023/06](#) , ADD
- [B29C66/71](#) , [B29K2023/12](#) , ADD
- [B29C66/71](#) , [B29K2023/08](#) , ADD
- [B29C66/71](#) , [B29K2023/083](#) , ADD
- [B29C66/71](#) , [B29K2023/0691](#) ,
ADD
- [B29C66/71](#) , [B29K2023/065](#) , ADD
- CCA - [B29C65/14](#) ; [B29C65/18](#) ;
[B29C65/26](#) ; [B29C66/5326](#) ;
[B29C66/71](#) ; [Y10T156/1038](#)
- PA - RAYCHEM CORP [US]
- TI - WELDED POLYMER ARTICLES AND
PROCESS
- AB - 1512727 Seaming non-metallic
sheet metal RAYCHEM CORP 5
June 1975 [6 June 1974]
24289/75 Heading B5K Abutting
surfaces of polymeric material
are joined by disposing between
the surfaces insert means 1
formed of thermoplastic
material having dispersed



therein a heat-activatable cross-linking agent, the insert means having one or more gaps 10, 14, 18 therein, and heating the surfaces and insert means under compression, to cause the insert means to flow and the crosslinking agent to be activated, whereby the surfaces are joined by cross-linked weld material and the escape of gases from the weld area is facilitated by the gap(s). In one embodiment, Figs. 1 and 5, the insert means comprises a plurality of separate I-shape inserts with the gaps 10 being spaces between adjacent inserts. Two polymeric sheet segments 2, 3, e.g. opposite ends of a single sheet, are joined by the inserts 1 by the application of heat and pressure by platens 4, 5 which may be heated electrically or by steam and are cooled, before withdrawal, by the circulation of cooling water through passageways therein. Spaced cylinders 11 apply pressure to the plates 4 at the positions of the inserts so that the thermoplastic material flows to fill the spaces 10 which have allowed the escape of trapped air and gaseous by-products of the crosslinking reaction. The final bond is substantially free of voids, Fig. 6 (not shown). In other embodiments, the insert means comprises a single I-section member having either perforations 14, Fig. 7, in the flanges 15, 16 thereof or perforations 18, Fig. 8, through the upright portion 19 connecting flanges 20, 21. The insert means may have a foraminous reinforcing member 23, Fig. 10, e.g. a length of glass

fibre cloth. Fig. 11 shows the cross-section of suitable insert means. Specified polymeric materials for the surfaces to be joined are saturated and unsaturated polyesters, polyvinyl halides, natural **rubber**, butadiene-styrene copolymers, butadiene-acrylonitrile copolymers, isoprene-isobutylene copolymers, polyisoprene, polybutadiene, polysulphides, polychloroprene, polysiloxanes, fluorocarbons, chlorosulphonated polyethylene, plasticized polyvinyl chloride, polybutene and, preferably, polyolefins, e.g. polyethylene, poly- (butene-1), various copolymers of ethylene, propylene and butene, ethylene/ethyl acrylate, ethylene/vinyl acetate, or ethylene/methyl acrylate copolymers in which repeat units derived from ethylene predominate, and blends of such copolymers with major proportions of polyethylene. Preferably, the surfaces to be joined are cross-linked from the outset. Preferably, the cross-linking agent is blended with the polymeric constituent of the insert means in the melt phase. Specified polymeric materials for the insert include, for the preferred polyethylenic materials for the surfaces, ethylene/vinyl acetate, ethylene/methyl acrylate, and ethylene/ethyl acrylate copolymers and blends of such copolymers with low density polyethylene or minor proportions of polyethylene. Examples of cross-linking agents are given, a peroxide cross-

linking agent being preferred. Additionally, a "co-agent" may be combined in the insert material to maximize the number of cross-links formed through the agency of a given number of free radicals generated by the agent itself. Various co-agents, otherwise known as polyfunctional monomers, are specified. Also, the insert may **contain** fillers, e.g. carbon black or calcium carbonate, ultraviolet stabilizers, antioxidants and acid acceptors. Preferably, the modulus of the weld, at 150 C and 100% elongation, is at least equal to that of the polymeric material joined thereby and at most twice or three times that of the polymeric material.

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PN - [GB1499842](#) A 19780201

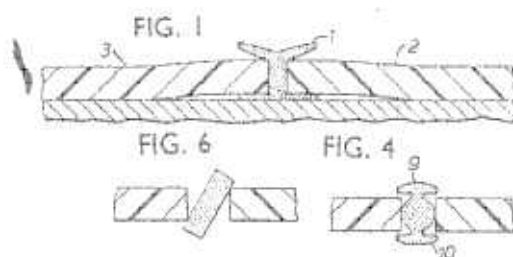
PR - US19740436674 19740125

AP - GB19750003259 19750124

DT - **

CCI - [B29C65/14](#) ; [B29C65/18](#) ;
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[B29C65/5071](#) ; [B29C65/5078](#) ;
[B29C65/5085](#) ; [B29C65/68](#) ;
[B29C66/1142](#) ; [B29C66/43](#) ;
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[B29C66/73941](#) ; [B29C66/73756](#)

CLC - [B29C66/71](#), [B29K2083/00](#) , ADD
- [B29C66/71](#), [B29K2033/08](#) , ADD
- [B29C66/71](#), [B29K2027/00](#) , ADD
- [B29C66/71](#), [B29K2023/18](#) , ADD
- [B29C66/71](#), [B29K2023/14](#) , ADD
- [B29C66/71](#), [B29K2023/083](#) , ADD
- [B29C66/71](#), [B29K2023/08](#) , ADD
- [B29C66/71](#), [B29K2023/0691](#) ,
ADD
- [B29C66/71](#), [B29K2023/06](#) , ADD



- [B29C66/71](#), [B29K2023/00](#) , ADD
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- CCA
- [B29K2067/06](#) ; [B29L2023/22](#) ;
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[B29C66/4322](#) ; [B29C66/5229](#) ;
[B29C35/02](#) ; [B29C66/71](#) ;
[B29K2007/00](#) ; [B29K2023/06](#) ;
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[B29K2033/08](#) ; [B29K2033/12](#) ;
[B29K2083/00](#) ; [B29K2105/0085](#) ;
[B29K2105/16](#) ; [B29K2105/24](#) ;
[Y10T428/192](#)
- PA
- RAYCHEM CORP
- TI
- WELDED POLYMERIC ARTICLES
AND PROCESS
- AB
- 1499842 Seaming non-metallic sheet material RAYCHEM CORP
24 Jan 1975 [25 Jan 1974]
3259/75 Heading B5K Abutting surfaces of cross-linked polymeric material are joined by disposing between the surfaces an insert 1 of a thermoplastic polymeric composition having dispersed therein a heatactivatable cross-linking agent and heating the surfaces and the insert under compression, to cause the insert to flow and the cross-linking agent to be activated so that the surfaces are joined by cross-linked weld material, the modulus at 150 C. and 100% elongation of the weld material being at least equal to, and at most twice, that of the cross-linked polymeric material joined thereby. In one embodiment, Fig. 1, two cross-linked polymeric sheet segments 2, 3 are joined by an I-shape insert 1, containing a cross-linking agent, by the application of heat and pressure by heated platens (4), (5), Fig. 2 (not shown). The platens may be heated electrically or by steam

and are cooled, before withdrawal, by the circulation of cooling water through passageways therein. In a modification, Fig. 4, the insert comprises a circular section core with outer rails 9, 10. In another modification, Fig. 5 (not shown), the insert comprises a rectangular section core (11) and two separate outer slabs (12), (13). In a further modification, Fig. 6, a single slab is diagonally disposed in the space between aligned sheet edges. Preferably, the surfaces joined are the opposite edges of a single sheet shaped to form a sleeve to be used as a covering for a pipe joint. Specified polymeric materials for the surfaces to be joined are polysiloxanes, unsaturated polyesters, polyvinyl halides, natural **rubber** and, preferably, polyolefins, e.g. polyethylene, poly(butene-1), various copolymers of ethylene, propylene and butene, ethylene-ethyl acrylate, ethylene-vinyl acetate, or ethylene-methyl acrylate copolymers in which repeat units derived from ethylene predominate, and blends of such copolymers with major proportions of polyethylene. Preferably, the surfaces to be joined are cross-linked by high energy ionizing radiation. Preferably, the cross-linking agent is blended with the polymeric constituent of the insert in the melt phase. Specified polymeric materials for the insert include, for the preferred polyethylenic materials for the surfaces, ethylenevinyl acetate, ethylene-methyl acrylate and ethylene-

ethyl acrylate copolymers and blends of such copolymers with minor proportions of polyethylene. Examples of cross-linking agents are given, a peroxide cross-linking agent being preferred. Additionally, a "co-agent" may be combined in the insert material to maximize the number of cross-links formed through the agency of a given number of free radicals generated by the agent itself. Various co-agents, otherwise known as polyfunctional monomers, are specified. Also, the insert may **contain** fillers, e.g. carbon black or calcium carbonate, ultra-violet stabilizers, antioxidants and acid acceptors.

12/13 © EPODOC / EPO

- PN - [EP1724318](#) A1 20061122
- PR - WO2005JP03479 20050302; JP20040065921 20040309
- AP - EP20050719794 20050302
- DT - **
- CCI - [B29C65/4815](#) ; [B29C65/5057](#) ; [B29C66/71](#) ; [B29C66/73754](#) ; [B29C66/73941](#) ; [C08F8/30](#) ; [C09J123/16](#) ; [B29C65/425](#) ; [B29C66/73756](#) ; [B29C65/405](#)
- CLC - [B29C66/71](#) , [B29K2021/00](#) , INV
- [B29C66/71](#) , [B29K2023/16](#) , ADD
- [B29C66/71](#) , [B29K2019/00](#) , INV
- [B29C66/71](#) , [B29K2009/06](#) , ADD
- [B29C66/71](#) , [B29K2009/00](#) , ADD
- [B29C66/71](#) , [B29K2007/00](#) , ADD
- CCA - [B29K2021/00](#) ; [B29K2021/003](#) ; [C08L23/16](#) ; [C08L51/04](#) ; [C08L51/06](#) ; [C08L2666/24](#) ; [B29K2101/12](#) ; [B29K2105/24](#)
- PA - YOKOHAMA RUBBER CO LTD [JP]
- TI - METHOD FOR ADHESIVE-BONDING VULCANIZED **RUBBER** COMPOSITIONS BY THE USE OF THERMOPLASTIC **ELASTOMER** COMPOSITIONS
- AB - An object of the present invention is to provide a method of adhering a vulcanized **rubber** composition using a thermoplastic **elastomer** composition capable of maintaining recycling property and excellent in adhesiveness. The above object is achieved by the following method of adhering a vulcanized **rubber** composition. A method of adhering a vulcanized **rubber** composition of the present invention is a method of adhering a vulcanized **rubber** composition using a thermoplastic **elastomer**

composition. The thermoplastic **elastomer** composition **contains** a thermoplastic **elastomer** and a filler. The thermoplastic **elastomer** has: a monomer unit forming a **rubber** component of the vulcanized **rubber** composition on at least part of its main chain; and a side chain containing a structure represented by a predetermined structural formula, the structure having a carbonyl group and an imino group, and/or a nitrogen-containing heterocyclic ring. The method includes adhering a first member and a second member each composed of the vulcanized **rubber** composition through the thermoplastic **elastomer** composition.

13/13 © EPODOC / EPO

- PN - [CN1842578](#) A 20061004
- PR - JP20040065921 20040309
- AP - CN2005800856 20050302
- DT - I
- CCI - [B29C65/4815](#) ; [B29C65/5057](#) ; [B29C66/71](#) ; [B29C66/73754](#) ; [B29C66/73941](#) ; [C08F8/30](#) ; [C09I123/16](#) ; [B29C65/425](#) ; [B29C66/73756](#) ; [B29C65/405](#)
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 - [B29C66/71](#) , [B29K2023/16](#) , ADD
 - [B29C66/71](#) , [B29K2019/00](#) , INV
 - [B29C66/71](#) , [B29K2009/06](#) , ADD
 - [B29C66/71](#) , [B29K2009/00](#) , ADD
 - [B29C66/71](#) , [B29K2007/00](#) , ADD
- CCA - [B29K2021/00](#) ; [B29K2021/003](#) ; [C08L23/16](#) ; [C08L51/04](#) ; [C08L51/06](#) ; [C08L2666/24](#) ; [B29K2101/12](#) ; [B29K2105/24](#)
- PA - YOKOHAMA RUBBER CO LTD [JP]
- TI - Method for adhesive-bonding vulcanized **rubber** compositions by the use of thermoplastic **elastomer** compositions
- AB - The invention aims at providing a method for adhesive-bonding vulcanized **rubber** compositions by the use of thermoplastic **elastomer** compositions with the recyclability retained and with excellent adhesive bonding properties and the aim is attained by a method for adhesive-bonding a vulcanized **rubber** composition by the use of a thermoplastic **elastomer** composition which method comprises adhesive-bonding the first member made of a vulcanized **rubber** composition to the second member made thereof through a thermoplastic **elastomer** composition comprising a thermoplastic **elastomer** and a filler wherein the thermoplastic **elastomer contains** in at least part of the backbone chain the same monomer units as those forming the **rubber** component of the vulcanized **rubber** composition and has pendants containing structures represented by a prescribed structural formula bearing both a carbonyl group and an imino group and/or pendants containing nitrogenous heterocycles.