

25 Documents

Publication numbers	Title	Current assignees
WO201634821 A1	Junction device for conveyor belts	ASER
FR2803836 A1	Device for linking conveyor belts and method for manufacturing the same	ASER
FR3051030 A1	DEVICE OF JUNCTION AND PROCESS OF CORRESPONDING ASSEMBLY	COBRA EUROPE
ZA9700102 B	Improved conveyor belt jointing device and method for making same	ASER
FR2792049 A1	Screwed conveyor belt fastener	ASER
FR2914970 A1	Clips for attaching staples for joining conveyor belt ends and clip-staple assemblies	ASER
ZA9903195 B	Connection of both ends of a conveyor belt	MATO MASCH & METALLWAREN
FR2914971 A1	Junction hook for conveyor belt, has lower plate with inlet and outlet toboggans having bosses that are arranged in lower plate to permit subjection of crampon grip against boss and tab by conjugation of corresponding valve bridges	ASER
EP2511567 A1	Method for manufacturing a strip of material in a loop	TANALS
FR2921141 A1	Improved junction device for conveyor belts	ASER
FR2867764 A1	Jointing elements incorporated into the ends of a conveyor belt	ASER
LU--63687 A1	Connecting element for connecting two ends of a conveyor belt	PRECISMECA
FR3052204 A1	Supporting washer	ASER
US5620085 A	Spliced conveyer belt assembly	SAC, ...
WO8000670 A1	Apparatus for applying belt fasteners to a belt	FLEXIBLE STEEL LACING
GB8321851 D0	Method and apparatus for applying flexible links to conveyor belts	STEELACE
DE202012008090 U1	Conveyor belt for	METTLER TOLEDO GARVENS
WO200138754 A2	Apparatus for installing fasteners and method for securing pre-inserted rivet fasteners	FLEXIBLE STEEL LACING
US20160047438 A1	Conveyor belt fastener and method of manufacture	FLEXIBLE STEEL LACING
EP-437639 A1	Seal for the connection of two parts of a conveyor belt and connection comprising such a seal.	GORO
DE2940522 A1	Belt fasteners	FLEXIBLE STEEL LACING
WO2013174666 A1	Belt end body or belt segment end body	CONTITECH TRANSPORTBANDSYSTEM E

Publication numbers	Title	Current assignees
US20090223783 A1	Conveyor belt end connection	MATO MASCHINEN & METALLWARENFABRIK CURT MATTHAEI
IT2007UD0050 A1	Transmission belt and relative production method	ELATECH
BE-854901 A	Plate connector for conveyor belts and method for securing such plate connector to conveyor belts	MATTHAEI MATO MASCH

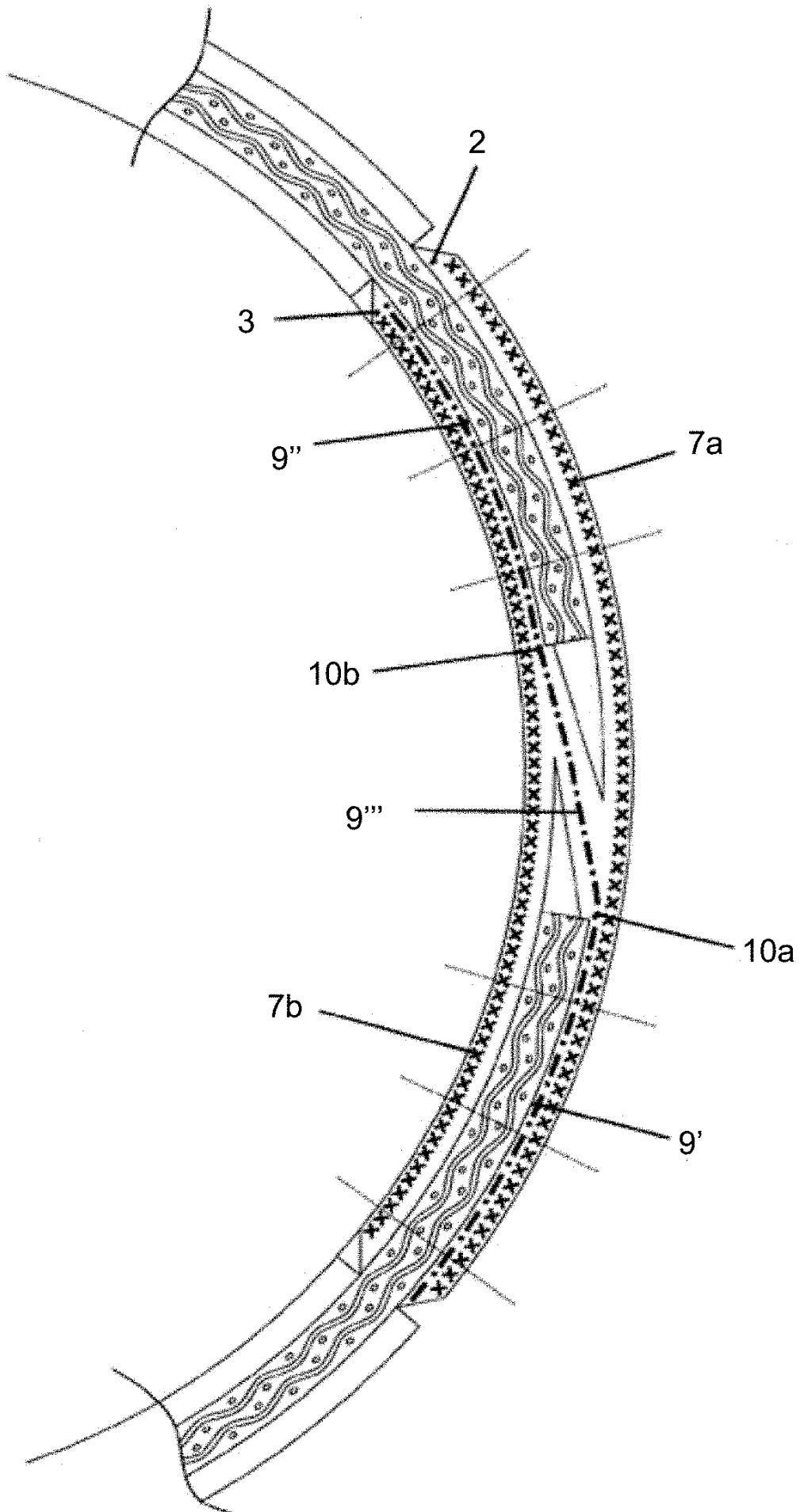
Family 1/25 - FAMPAT - ©Questel

Title

(EP3189251)

Junction device for conveyor belts

Images



Publication data including kind & date

WO2016034821	A1	2016-03-10	WO201634821				
FR3025576	A1	2016-03-11	FR3025576				
AR101751	A1	2017-01-11	AR-101751				
AU2015310702	A1	2017-02-23	AU2015310702				
BR112017003776	A1	2017-03-07	BR112017003776				
FR3025576	B1	2017-04-21	FR3025576				
PE04212017	A1	2017-04-27	PE201700421				
IL250763	A	2017-04-30	IL-250763				
CN106662209	A	2017-05-10	CN106662209				
EP3189251	A1	2017-07-12	EP3189251				
IN201717007910	A	2017-07-14	IN201717007910				
EA201790351	A1	2017-07-31	EA201790351				
US2017241511	A1	2017-08-24	US20170241511				
CL2017000473	A1	2017-09-08	CL0473201700				
JP2017527758	A	2017-09-21	JP2017527758				
MX2017002569	A	2017-09-26	MX2017002569				
BR112017003776	A2	2017-12-12	BR112017003776				

Abstract

(EP3189251)

The invention relates to a junction device for a conveyor belt, comprising an upper plate (2) and a lower plate (3). The upper plate (2) comprises a highly expandable frame (7) and the lower plate (3) comprises a non-expandable or almost non-expandable frame (8). The two plates (2, 3) can be attached to the ends of a conveyor belt which are inserted between the two plates, thereby transforming said conveyor belt into an endless belt.

Inventors

JAKOB HORST

Latest standardized assignees - inventors removed

ASER

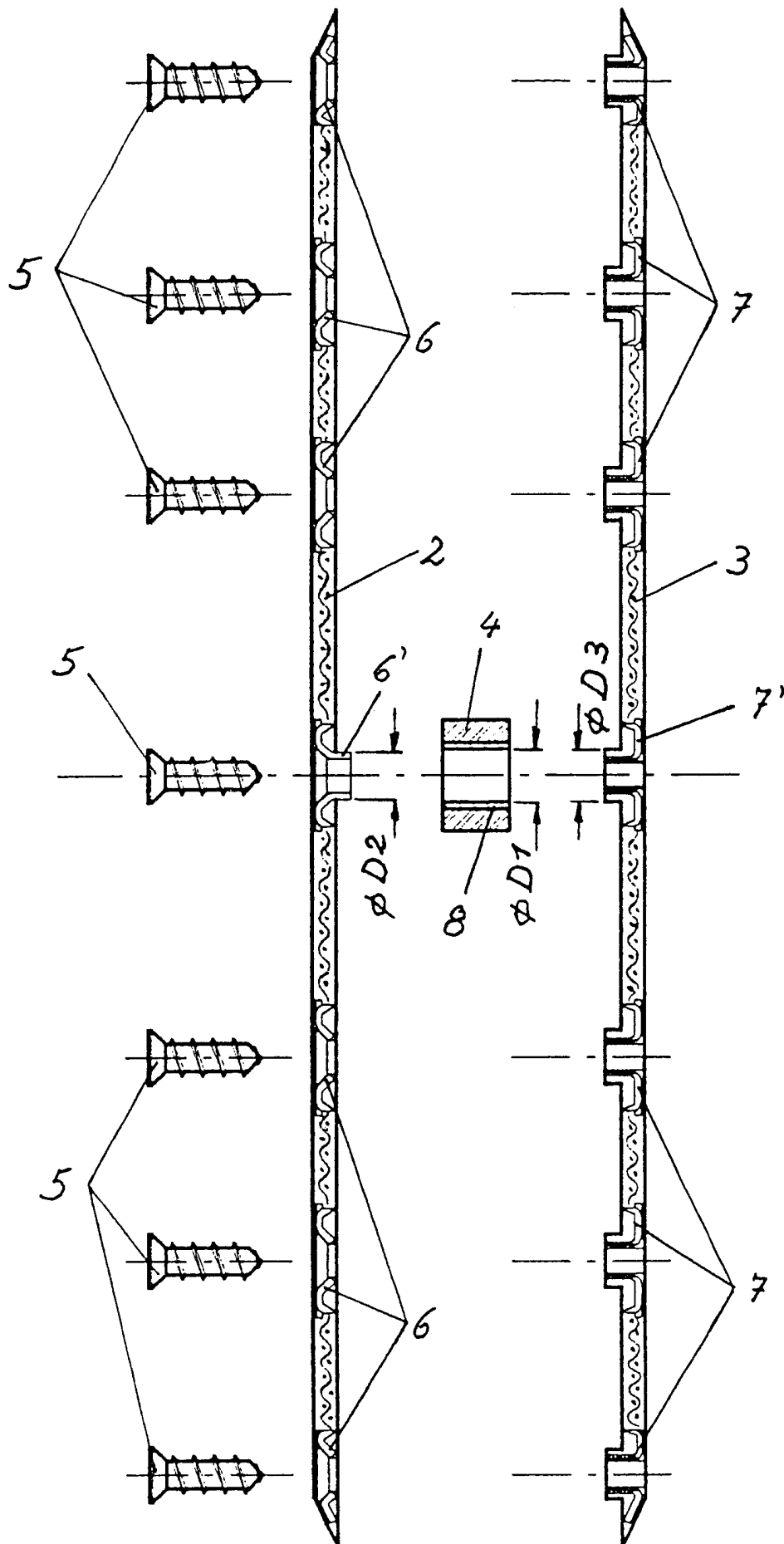
Family 2/25 - FAMPAT - ©Questel

Title

(EP1163459)

Device for linking conveyor belts and method for manufacturing the same

Images



FR2803836	A1	2001-07-20	FR2803836				
WO200153715	A1	2001-07-26	WO200153715				
AU3190701	A	2001-07-31	AU200131907				
EP1163459	A1	2001-12-19	EP1163459				
FR2803836	B1	2002-03-22	FR2803836				
US2002134652	A1	2002-09-26	US20020134652				
CZ20013021	A3	2002-10-16	CZ200103021				
ZA200107018	B	2002-11-25	ZA200107018				
MXPA01009288	A	2003-07-14	MX2001PA009288				
US6601698	B2	2003-08-05	US6601698				
AU779123	B2	2005-01-06	AU-779123				
EP1163459	B1	2006-03-22	EP1163459				
AT321222	T	2006-04-15	ATE321222				
DE60118158	D1	2006-05-11	DE60118158				
ES2260200	T3	2006-11-01	ES2260200				
DE60118158	T2	2006-12-14	DE60118158				
CZ303122	B6	2012-04-18	CZ-303122				

Abstract

(EP1163459)

The invention concerns a linking device for a conveyor belt comprising three parts: a top part (2), a bottom part (3), an intermediate part. Inserts (6' and 7') are provided to enable the parts (2 and 3) to be assembled by means of screws (5). Inserts (6 and 7) enable the linking device to be mounted on the ends of a conveyor belt.

Inventors

JAKOB HORST

Latest standardized assignees - inventors removed

ASER

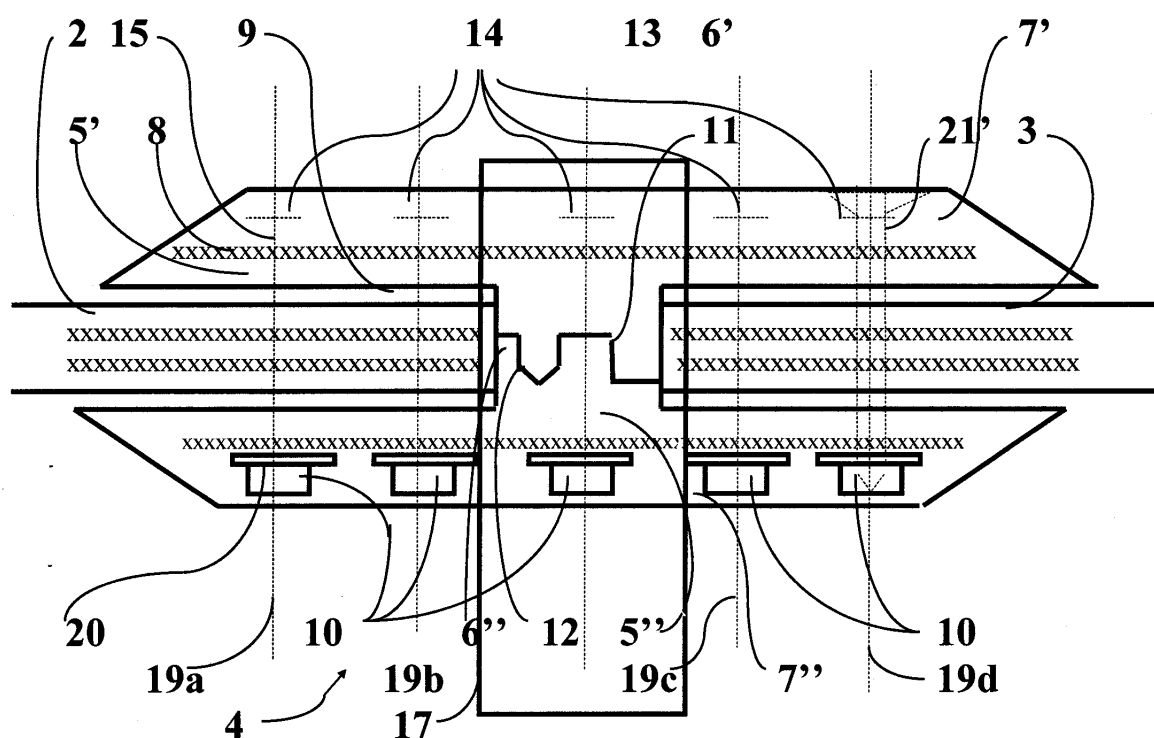
Family 3/25 - FAMPAT - ©Questel

Title

(FR3051030)

DEVICE OF JUNCTION AND PROCESS OF CORRESPONDING ASSEMBLY

Images



Publication data including kind & date

FR3051030

A1 2017-11-10 FR3051030



Abstract

(FR3051030)

The device of junction of two ends (2, 3) of belt conveyer (1) understands a means of joining (4) presenting at least two wings (5', 5'') and a central part (6), the aforementioned wings (5', 5''), and the aforementioned central part (6) come to include and fix the ends at ***jonctionner of the two ends of band. The aforementioned wings (5', 5'') and the aforementioned central part, are free parts to pay because at least a wing and a portion of the central part are made of a part or an assembled unit. The central part (6) understands two portions, parts or elements of part, one (6') related to the wing higher (5') and the other (6'') than the lower wing (5''), each one of these parts in the respective part of contact between them, presents a geometry which is imbricated by forming on the one hand at least an unhooking or shoulder (11) and on the other hand a means of centering by embossing (S) (12) and hollows (13) complementary. The overlap of the central part positions the aforementioned wings (5', 5'') with the site designed to fix the two ends of band. The process of assembly of two ends (2, 3) of belt conveyer (1) understands at least the following stages: - installation of the lower wing (5'') with its portion (6'') of (A) central part; - brought of the two ends of band (2, 3) to assemble each one on a side on its side of lower wing (5'') until being into obstinate (11) on the portion of central part (B); - positioning of the higher wing (5') with centering of the central part compared to the portion of central part of the lower wing (C); - fixing and tightening by installation of the screws (21) and tightening of those in the inserts (10) formant nuts (D). The process and the device apply to the junction to site to carry out the belt conveyer.

Inventors

MANSOUR EDGAR

Latest standardized assignees - inventors removed

COBRA EUROPE

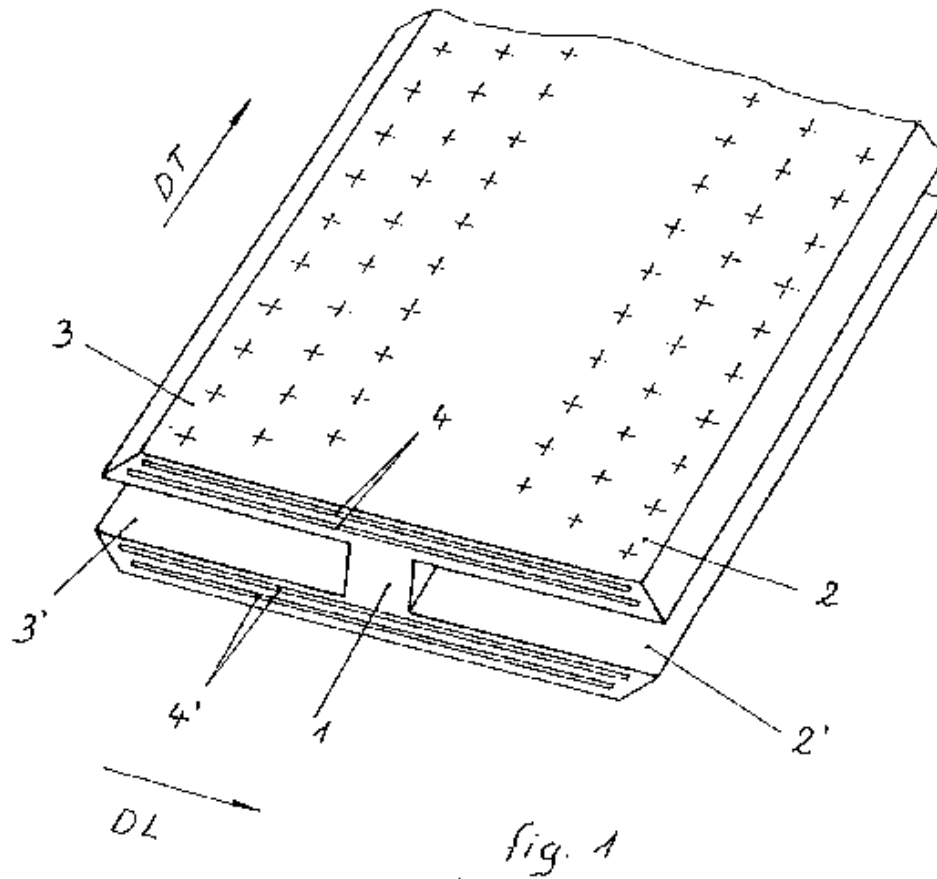
Family 4/25 - FAMPAT - ©Questel

Title

(EP-827575)

Improved conveyor belt jointing device and method for making same

Images



Publication data including kind & date

ZA9700102	B	1997-07-16	ZA9700102
FR2743611	A1	1997-07-18	FR2743611
WO9726466	A1	1997-07-24	WO9726466
AU1313497	A	1997-08-11	AU9713134
EP0827575	A1	1998-03-11	EP-827575
FR2743611	B1	1998-03-13	FR2743611
US5839571	A	1998-11-24	US5839571
CZ9702911	A3	1999-01-13	CZ9702911
AU713788	B2	1999-12-09	AU-713788
EP0827575	B1	2000-03-22	EP-827575



DE69701497	D1	2000-04-27	DE69701497
ES2146455	T3	2000-08-01	ES2146455
DE69701497	T2	2000-11-09	DE69701497
CZ292787	B6	2003-12-17	CZ-292787

**Abstract**

(EP-827575)

A conveyor belt jointing device with a generally H-shaped cross-section comprising a central portion (1) forming the crossbar of the H, and two pairs of flanges (2, 2'; 3, 3') connected to respective sides of the central portion (1) and integral therewith. The jointing device comprises two separate reinforcing elements (4, 4'). The reinforcing elements consist of stacked plies of cables made of metal or a synthetic material and having little or no inherent stretchability, the ply cables being arranged at angles of around 45 DEG to the longitudinal direction and around 90 DEG to the cables in the ply located immediately above or below.

Inventors

JAKOB HORST

Latest standardized assignees - inventors removed

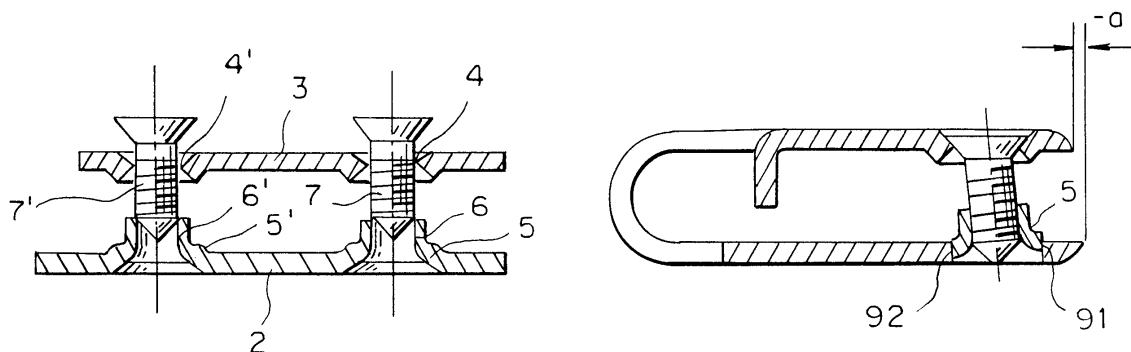
ASER

Family 5/25 - FAMPAT - ©Questel

Title

(EP1086323)

Screwed conveyor belt fastener

Images**Publication data including kind & date**

FR2792049	A1	2000-10-13	FR2792049
WO200061966	A1	2000-10-19	WO200061966
AU3971900	A	2000-11-14	AU200039719
EP1086323	A1	2001-03-28	EP1086323
CZ20004608	A3	2001-06-13	CZ200004608
FR2792049	B1	2001-06-15	FR2792049
ZA200007215	B	2001-12-06	ZA200007215
US6370739	B1	2002-04-16	US6370739
MXPA00012269	A	2002-04-24	MX2000PA012269
AU760961	B2	2003-05-22	AU-760961
EP1086323	B1	2003-12-17	EP1086323
AT256828	T	2004-01-15	ATE256828
DE60007247	D1	2004-01-29	DE60007247
ES2211530	T3	2004-07-16	ES2211530
DE60007247	T2	2004-09-23	DE60007247



CZ295318

B6 2005-07-13 CZ-295318

Abstract

(EP1086323)

The fastener (1, 2, 3) comprises rim holes (5, 5') that are made in the fixing plate (2) of the fastener to accommodate the screws. The rim holes (5, 5') are joined to the fixing plate (2) wherein said holes are only made on a part of the circumference thereof, in addition to two areas that are reserved (81, 82 ou 81', 82') for each rim hole, whereby said areas are not stamped at the base of the rim holes and include cuts in the sheet metal of the fixing plate (2) which allow for a certain amount of tilting of the rim hole (5 or 5') when the conveyor belt is in operation.

Inventors

JAKOB HORST

Latest standardized assignees - inventors removed

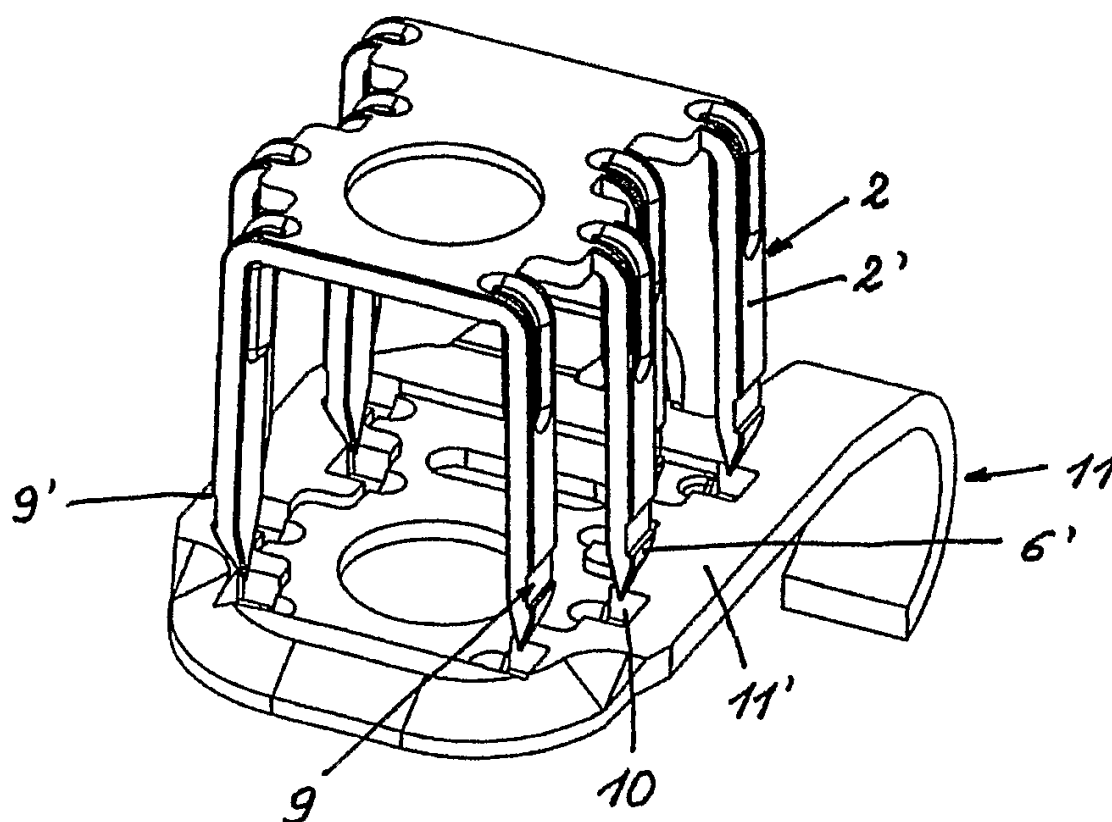
ASER

Family 6/25 - FAMPAT - ©Questel

Title

(EP2147230)

Clips for attaching staples for joining conveyor belt ends and clip-staple assemblies

Images**Publication data including kind & date**

FR2914970	A1	2008-10-17	FR2914970
WO2008142280	A2	2008-11-27	WO2008142280
AU2008252794	A1	2008-11-27	AU2008252794
WO2008142280	A3	2009-02-19	WO2008142280
EP2147230	A2	2010-01-27	EP2147230
IN6631/CHENP/2009	A	2010-03-05	IN2009CN06631
CN101779052	A	2010-07-14	CN101779052
US2010200374	A1	2010-08-12	US20100200374



ZA200907895	B	2010-11-24	ZA200907895				
RU2009141901	A	2011-05-20	RU2009141901				
EP2147230	B1	2011-10-19	EP2147230				
AT529658	T	2011-11-15	ATE529658				
ES2376796	T3	2012-03-16	ES2376796				
CN101779052	B	2012-04-11	CN101779052B				
RU2459127	C2	2012-08-20	RU2459127				
AU2008252794	B2	2013-01-24	AU2008252794				
US8701876	B2	2014-04-22	US8701876				
US2014182089	A1	2014-07-03	US20140182089				
US9200696	B2	2015-12-01	US9200696				

Abstract

(EP2147230)

A multi-claw clip made of metal sheet comprising a top portion forming the back consisting of a metal sheet part, claws (2) forming extensions of the top portion forming the back that are bent perpendicularly to the top portion, the bends comprising re-entrant ribs (4) and the claws (2) comprising spikes (6), may be used with a joining staple of a corresponding conveyor belt (11), the said staple comprising a top plate (H1) furnished with holes (10) designed to allow the claws (2) of the clip to pass through. The clip may be snap-fitted by means of grooves (9) of its claws into the edges of the holes (10) of the upper plate (H1) of the staple (11).

Inventors

JAKOB HORST

Latest standardized assignees - inventors removed

ASER

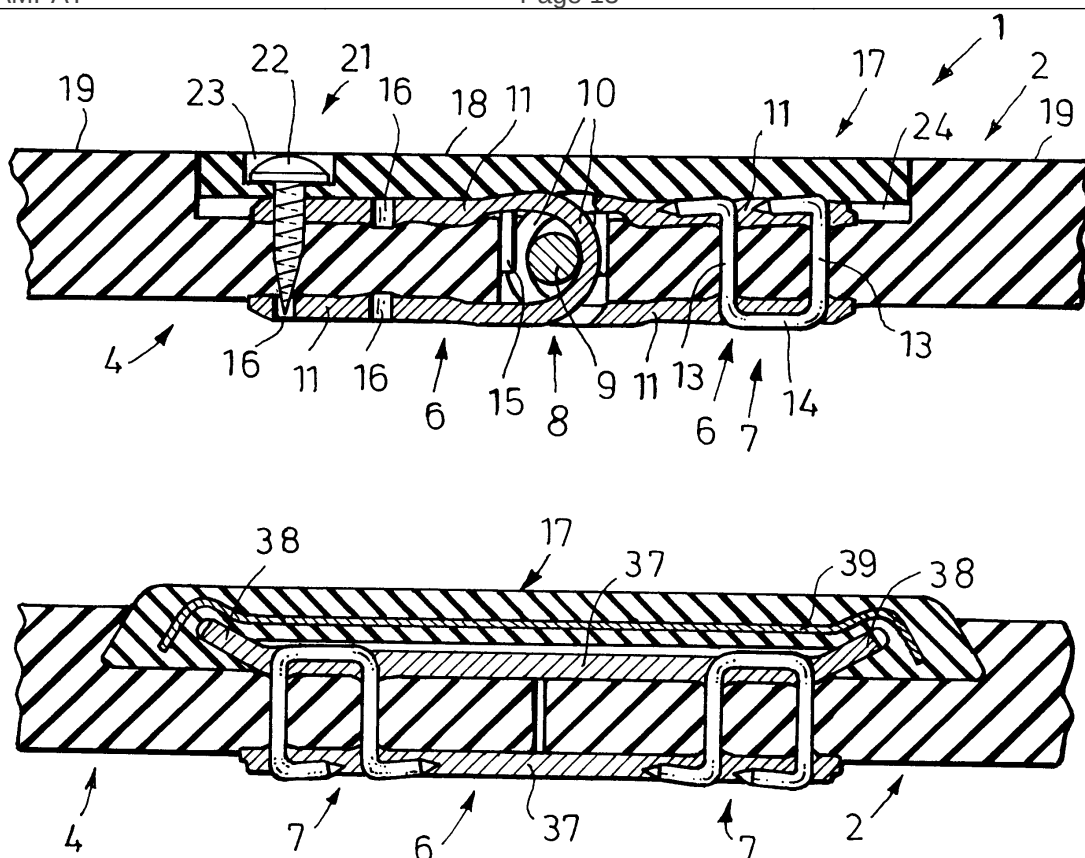
Family 7/25 - FAMPAT - ©Questel

Title

(EP-957290)

Connection of both ends of a conveyor belt

Images



Publication data including kind & date

ZA9903195	B	1999-11-10	ZA9903195
EP0957290	A1	1999-11-17	EP-957290
AU2396599	A	1999-11-18	AU9923965
DE19820717	A1	1999-11-18	DE19820717
US6170128	B1	2001-01-09	US6170128
AU758057	B2	2003-03-13	AU-758057
EP0957290	B1	2005-06-15	EP-957290
DE59912175	D1	2005-07-21	DE59912175



Abstract

(EP-957290)

The belt ends are joined by U-shaped connectors (6, 6), and a hinge rod (9). Alternative fastening methods are described (not shown), using fish plates with fastenings.

Inventors

BOERNER GERHARD
HEROLD WOLFGANG

Latest standardized assignees - inventors removed

MATO MASCH & METALLWAREN

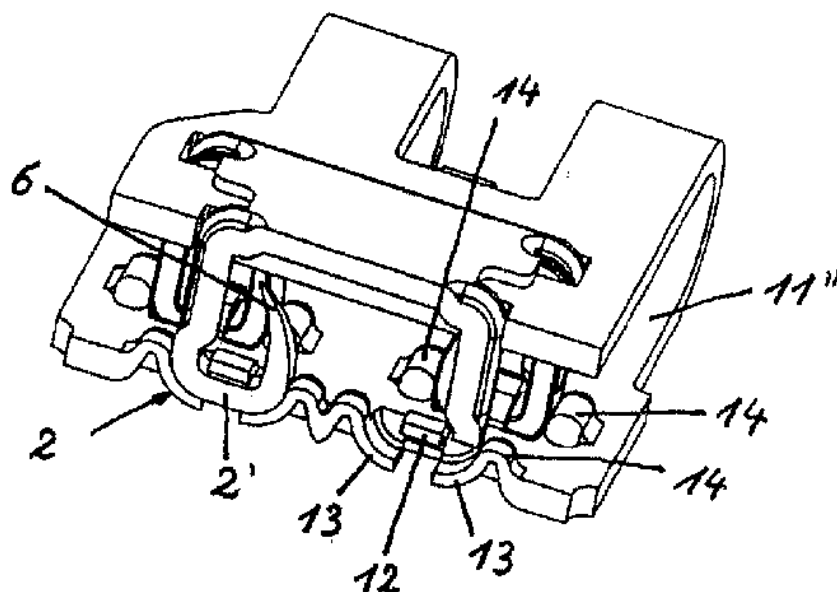
Family 8/25 - FAMPAT - ©Questel

Title

(FR2914971)

Junction hook for conveyor belt, has lower plate with inlet and outlet toboggans having bosses that are arranged in lower plate to permit subjection of crampon grip against boss and tab by conjugation of corresponding valve bridges

Images

**Publication data including kind & date**

FR2914971	A1	2008-10-17	FR2914971
FR2914971	B1	2013-08-30	FR2914971

**Abstract**

(FR2914971)

The hook has an lower plate (11'') with an inlet toboggan and an outlet toboggan on both sides of shearing line, and an upper plate with holes to let crampon grip pass through the holes. Each toboggan has a rectangular boss (14) constituting a tab (13) and a valve bridge (12). The boss has radius at top and at base along sides of a rectangular shape. The bosses are arranged in the lower plate to permit subjection of a crampon grip (2) against the boss and the tabs by conjugation of the corresponding valve bridges.

Inventors

JAKOB HORST

Latest standardized assignees - inventors removed

ASER

Family 9/25 - FAMPAT - ©Questel

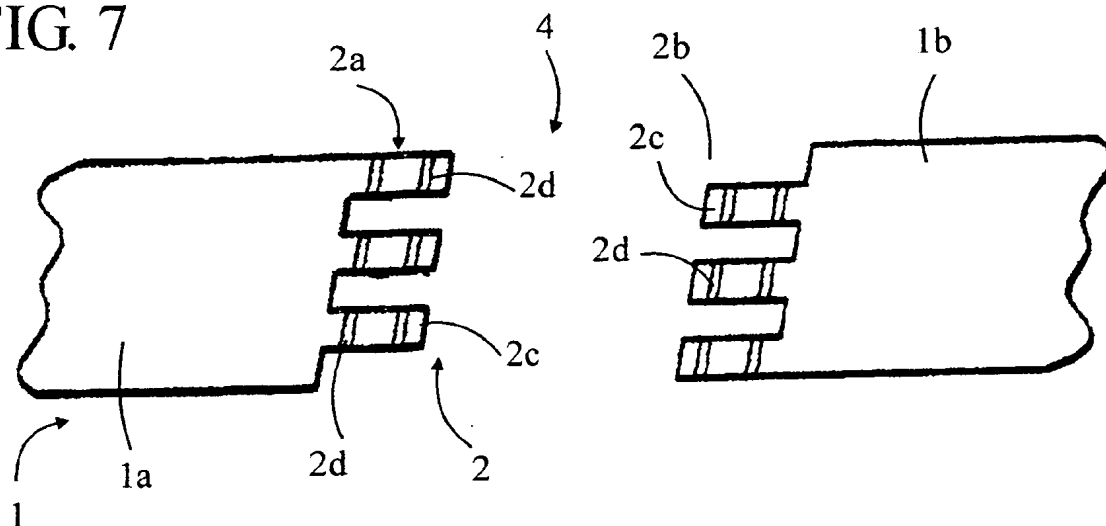
Title

(EP2511567)

Method for manufacturing a strip of material in a loop

Images

FIG. 7

**Publication data including kind & date**

EP2511567	A1	2012-10-17	EP2511567
FR2974158	A1	2012-10-19	FR2974158
EP2511567	B1	2013-06-19	EP2511567
ES2427314	T3	2013-10-29	ES2427314
FR2974158	B1	2014-01-17	FR2974158

**Abstract**

(EP2511567)

The method involves longitudinally splitting each of ends (1a, 1b) of a strip i.e. conveyor belt (1), along a thickness direction so as to separate an upper face from a lower face of the strip in a junction area (4) for forming transverse holes (2d), where the area is extended on a width equivalent to a surface occupied by the holes. A transverse pin is arranged in the junction area of each of the ends. The upper and lower faces of the strip are reassembled for reconstituting the ends of the strip. The transverse pin forming the transverse holes is removed.

Inventors

FREY PIERRE-REGIS

Latest standardized assignees - inventors removed

TANALS

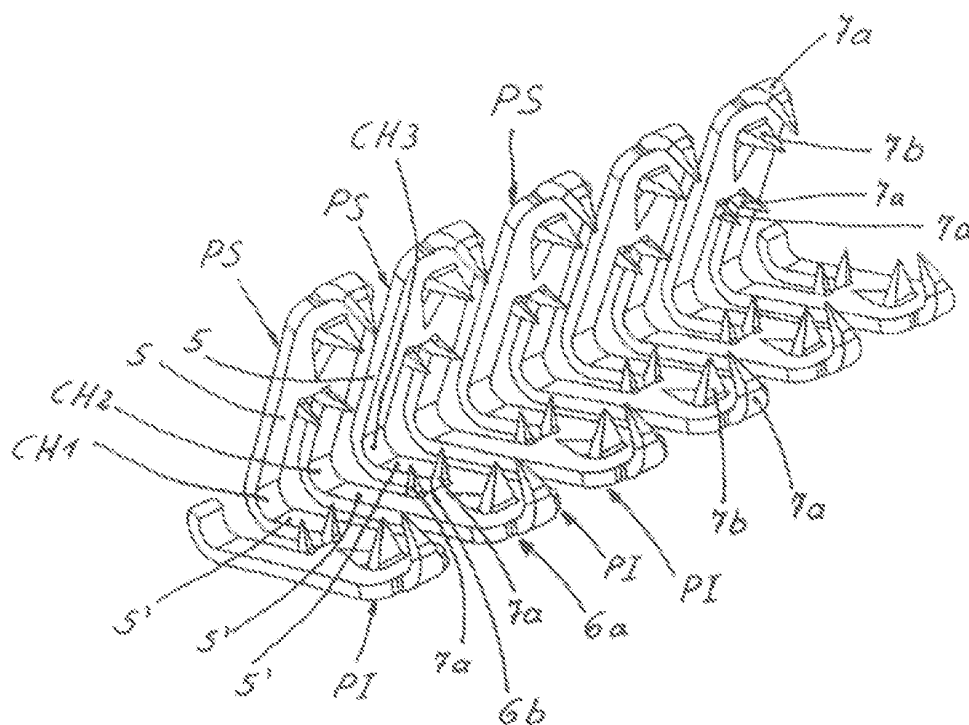
Family 10/25 - FAMPAT - ©Questel

Title

(EP2201265)

Improved junction device for conveyor belts

Images



Publication data including kind & date

FR2921141	A1	2009-03-20	FR2921141				
WO2009071772	A1	2009-06-11	WO200971772				
AU2008333034	A1	2009-06-11	AU2008333034				
FR2921141	B1	2010-03-12	FR2921141				
EP2201265	A1	2010-06-30	EP2201265				
CN101868647	A	2010-10-20	CN101868647				
ZA201002099	B	2010-11-24	ZA201002099				
JP2010538946	A	2010-12-16	JP2010538946				
BRPI0817225	A2	2011-08-23	BR200817225				
IN2670/DELNP/2010	A	2011-10-14	IN2010DN02670				
RU2010115206	A	2011-10-27	RU2010115206				
US2012090965	A1	2012-04-19	US20120090965				
CN101868647	B	2012-07-04	CN101868647B				
WO2009071772	A8	2012-07-12	WO200971772				
RU2470203	C2	2012-12-20	RU2470203				
AU2008333034	B2	2013-04-18	AU2008333034				
US8684170	B2	2014-04-01	US8684170				
JP5492086	B2	2014-05-14	JP5492086				
BRPI0817225	A1	2015-06-16	BR200817225				
EP2201265	B1	2016-12-21	EP2201265				
ES2610385	T3	2017-04-27	ES2610385				

Abstract

(EP2201265)

The proposed device comprises knuckles (CH) alternately connected to upper fastening plates (PS) and to lower fastening plates (PI). These plates comprise fastening claws (7a, 7b) of which some (7a) are arranged on the front and/or rear edges

IN222944	B	2009-02-06	IN-222944
AU2005225769	B2	2010-09-23	AU2005225769
US7980979	B2	2011-07-19	US7980979

**Abstract**

(EP1725787)

The inventive jointing elements are embodied in the form of two half-joints, i.e. the male (3) and female (4) half-joints which are incorporated into the ends (1, 1') of a conveyor belt. Said male half-joint (3) is shape complementarily to the shape of the female half-joint (4). The assembly of the two half-joints is carried out by means of screws (15) which penetrate into insert-cavities fixed to the male half-joint (3) material and the conveyor belt end (1') fittings and are screwed into the insert-sockets fixed to the conveyor belt end (1) fittings. Said screws (15) are implanted in a perpendicular direction with respect to the general plane of the male half-joint (3), the insert-sockets being implanted in a perpendicular direction with respect to the general plane of the female half-joint (4). The fittings are folded up in such a way that each of them forms two layers fixed to the insert-cavities and to the insert-sockets, respectively.

Inventors

JAKOB HORST

Latest standardized assignees - inventors removed

ASER

Family 12/25 - FAMPAT - ©Questel

Title

(US3748698)

Connecting element for connecting two ends of a conveyor belt

Images

SHEET 1 OF 3

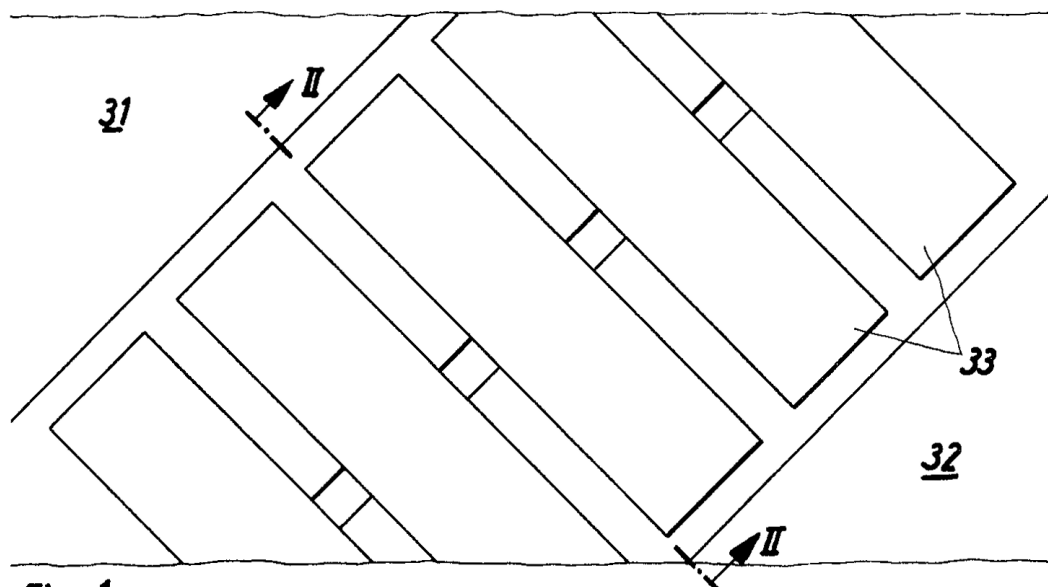


Fig. 1

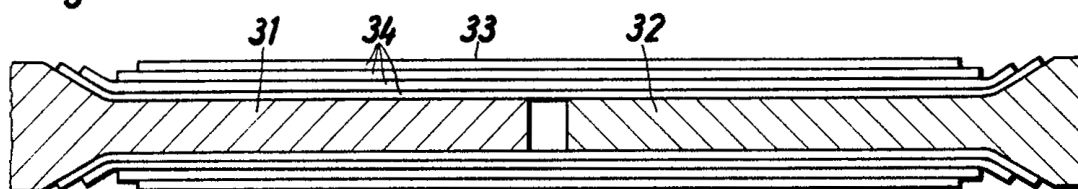


Fig. 2

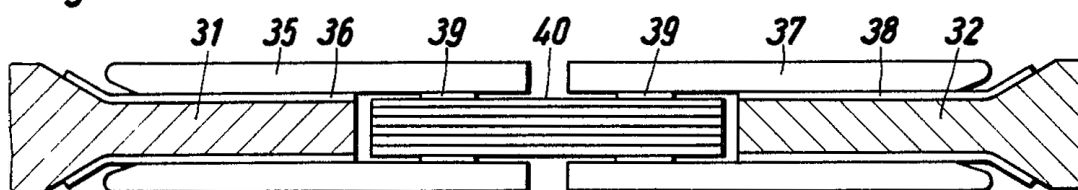


Fig. 3

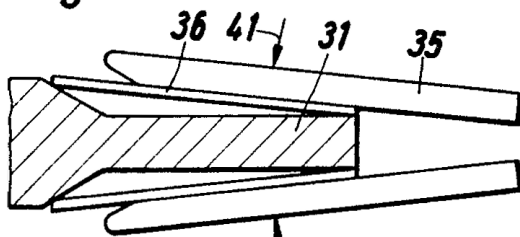


Fig. 4

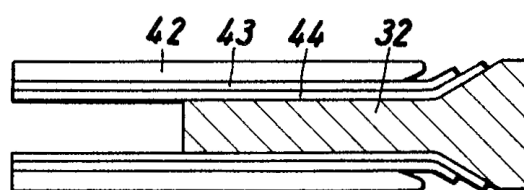


Fig. 5

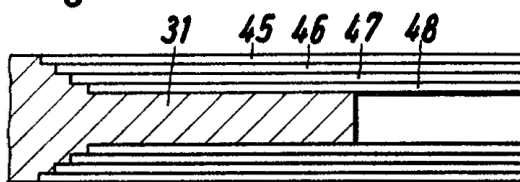


Fig. 6

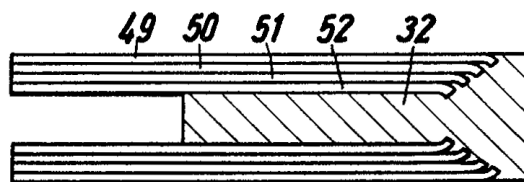
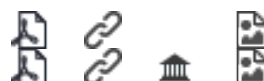


Fig. 7

Inventor:

Hans-Peter Lochmann

By Walter Deuber



BE770870	A	1971-12-16	BE-770870
NL7110967	A	1972-02-14	NL7110967
DE2039608	A1	1972-02-17	DE2039608
FR2107048	A5	1972-05-05	FR2107048
ZA7105273	B	1972-05-31	ZA7105273
AU3200971	A	1973-02-08	AU7132009
US3748698	A	1973-07-31	US3748698
GB1351338	A	1974-04-24	GB1351338
CA951938	A	1974-07-30	CA-951938
AU456487	B2	1974-12-19	AU-456487
SE373421	B	1975-02-03	SE-373421
ES199662	U	1975-09-16	ES-199662U
ES199662	Y	1976-05-16	ES-199662Y



Abstract

(US3748698)

A connector arrangement for mounting on belt ends to form an endless belt. The belt has tension elements in the form of wires or cables therein. The connector arrangement has bendable legs to receive the belt ends with spikes thereon adapted to be driven into, or through, the respective belt end.

Inventors

LACHMANN H

Latest standardized assignees - inventors removed

PRECISMECA

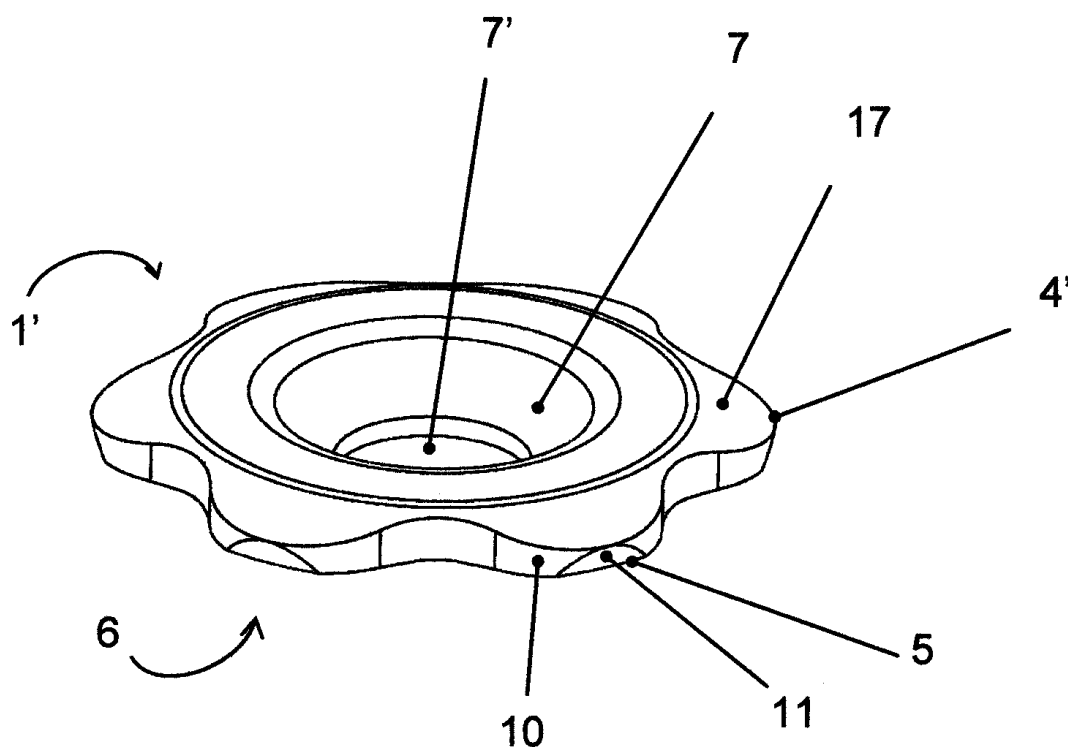
Family 13/25 - FAMPAT - ©Questel

Title

(WO2017212161)

Supporting washer

Images



Publication data including kind & date[FR3052204](#)

A1 2017-12-08

FR3052204

[WO2017212161](#)

A1 2017-12-14

WO2017212161

**Abstract**

(WO2017212161)

The washer according to the invention has a generally circular shape and is used for supporting a screw head, the shank of which penetrates the central hole (7') of the washer. When viewed from a planar perspective, the outer edges of the washer have a sinusoidal shape with depressions (9) and elevations (10).

Inventors

JAKOB HORST

Latest standardized assignees - inventors removed

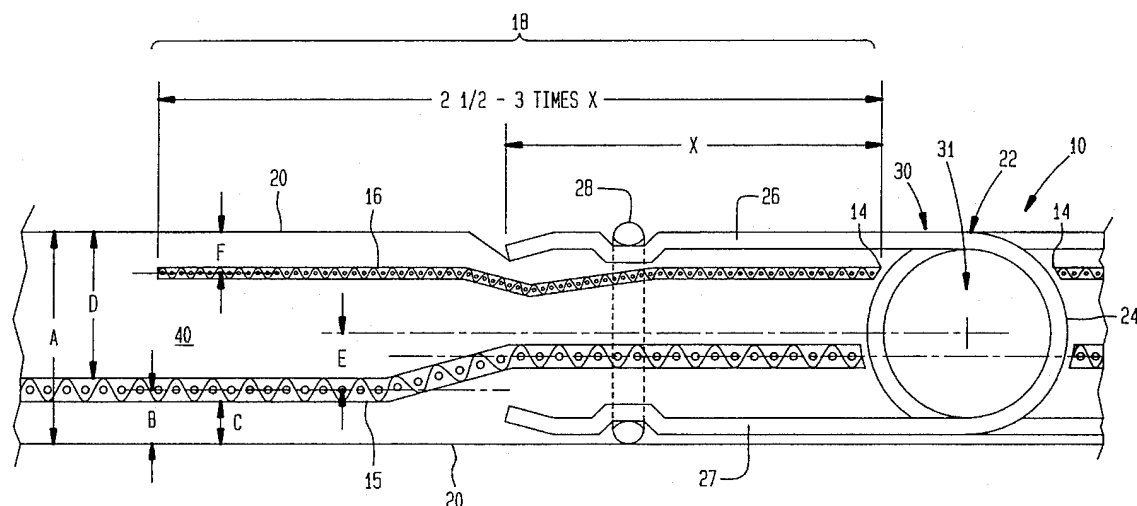
ASER

Family 14/25 - FAMPAT - ©Questel

Title

(WO9728071)

Spliced conveyer belt assembly

Images**Publication data including kind & date**[US5620085](#)

A 1997-04-15

US5620085

[WO9728071](#)

A1 1997-08-07

WO9728071

[CN1210499](#)

A 1999-03-10

CN1210499

[JP2000504662](#)

A 2000-04-18

JP2000504662

[CN1098206](#)

C 2003-01-08

CN1098206C

[IN0279/DEL/1997](#)

A 2006-01-27

IN1997DE00279

[IN215320](#)

B 2008-03-14

IN-215320

**Abstract**

(WO9728071)

A spliced conveyer belt assembly which includes a belt having first and second belt ends (14), a load carrying ply (15) which is coextensive with the full length of the belt, first and second reinforcing plies (16) spaced from the load carrying ply (15), the first and second reinforcing plies (16) being disposed adjacent the first and second belt ends (14), respectively, and a hinged joint (30) having a plurality of first belt end fasteners (22) and second belt end fasteners (22), wherein each belt end fastener (22) includes first and second apertured plates (26, 27) disposed respectively adjacent to the respective sides of the belt at the respective first and second belt ends (14), and a bight (24) capable of connecting the first apertured plate (26) to the second apertured plate (27), at least one securing device (28) which is capable of extending through the

apertures in the first and second apertured plates and through the belt and a hinge pin (31) extending through the bights (24) of the first and second belt end fasteners (22).

Inventors

CADOU PETER B

HOMER JOHN C III

TOROK ROBERT J

NISSEN WILLIAM J

LUDOLPH LLOYD T

Latest standardized assignees - inventors removed

SAC

STOCK EQUIPMENT HOLDINGS

GENERAL SIGNAL DEVELOPMENT

STOCK EQUIPMENT

GSLE SUBCO

COMMERZBANK

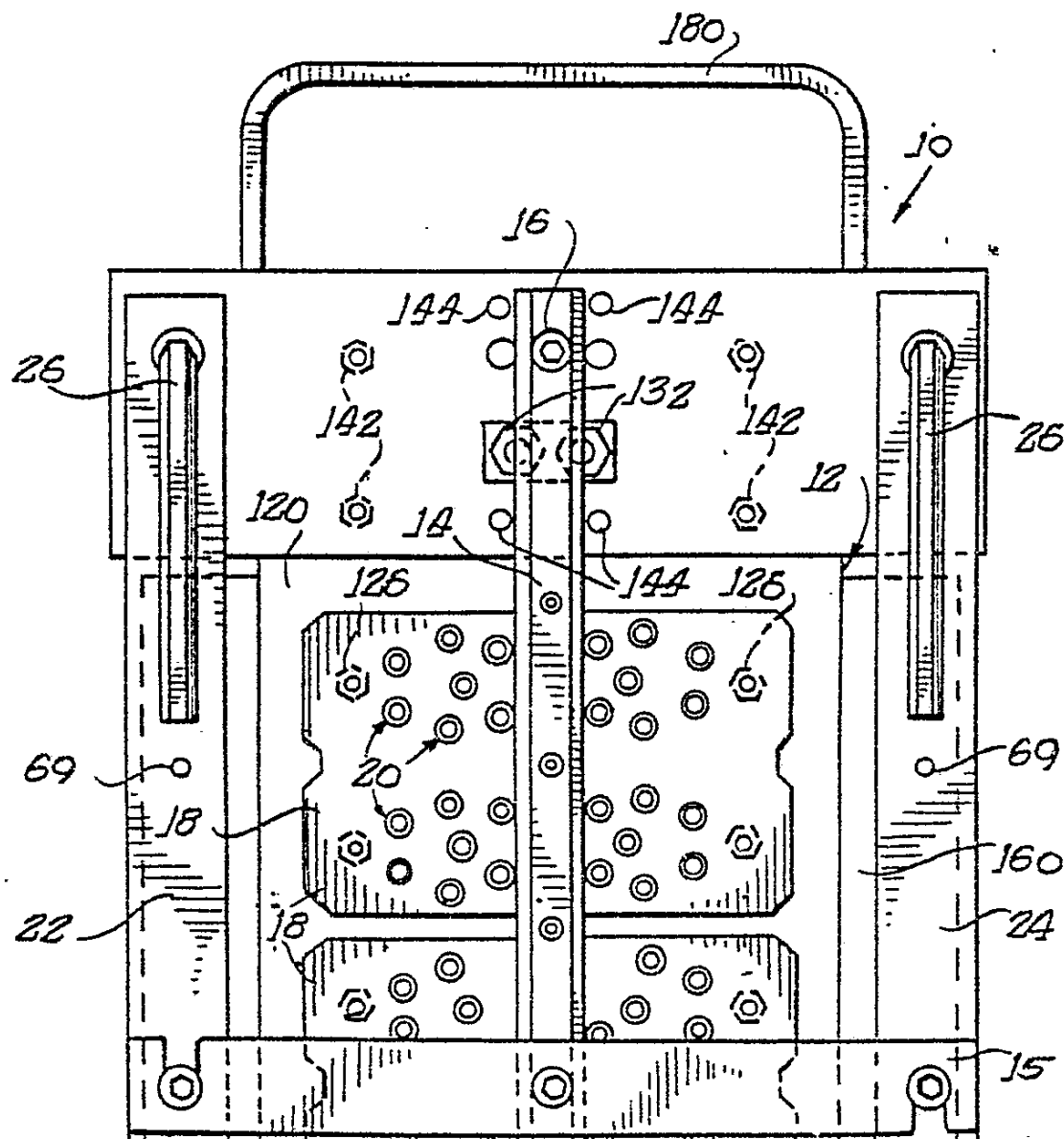
Family 15/25 - FAMPAT - ©Questel

Title

(EP--20503)

Apparatus for applying belt fasteners to a belt

Images



Publication data including kind & date

WO8000670	A1	1980-04-17	WO8000670
AU5106279	A	1980-04-17	AU7951062
ZA7904988	B	1980-09-24	ZA7904988
JPS55500766	A	1980-10-09	JP55500766
EP0020503	A1	1981-01-07	EP--20503
EP0020503	A4	1981-02-04	EP--20503
US4258461	A	1981-03-31	US4258461
CA1129185	A	1982-08-10	CA1129185
US4344213	A	1982-08-17	US4344213
US4380109	A	1983-04-19	US4380109
AU528509	B2	1983-05-05	AU-528509
EP0020503	B1	1985-01-02	EP--20503
DE2967344	D1	1985-02-14	DE2967344



Abstract

(EP--20503)

Apparatus for riveting two elements (32) together utilizing upper and lower plate fastener portions (38, 36) wherein means (52) are provided for securing the lower plate fastener portions in an aligned relationship with an underlying anvil base

(12).Also provided are means (14) for securing the upper plate portions aligned with the lower plate portions and the two elements therebetween while the rivets are driven.

Inventors

PRAY, WINSTON, CHARLES

Latest standardized assignees - inventors removed

FLEXIBLE STEEL LACING

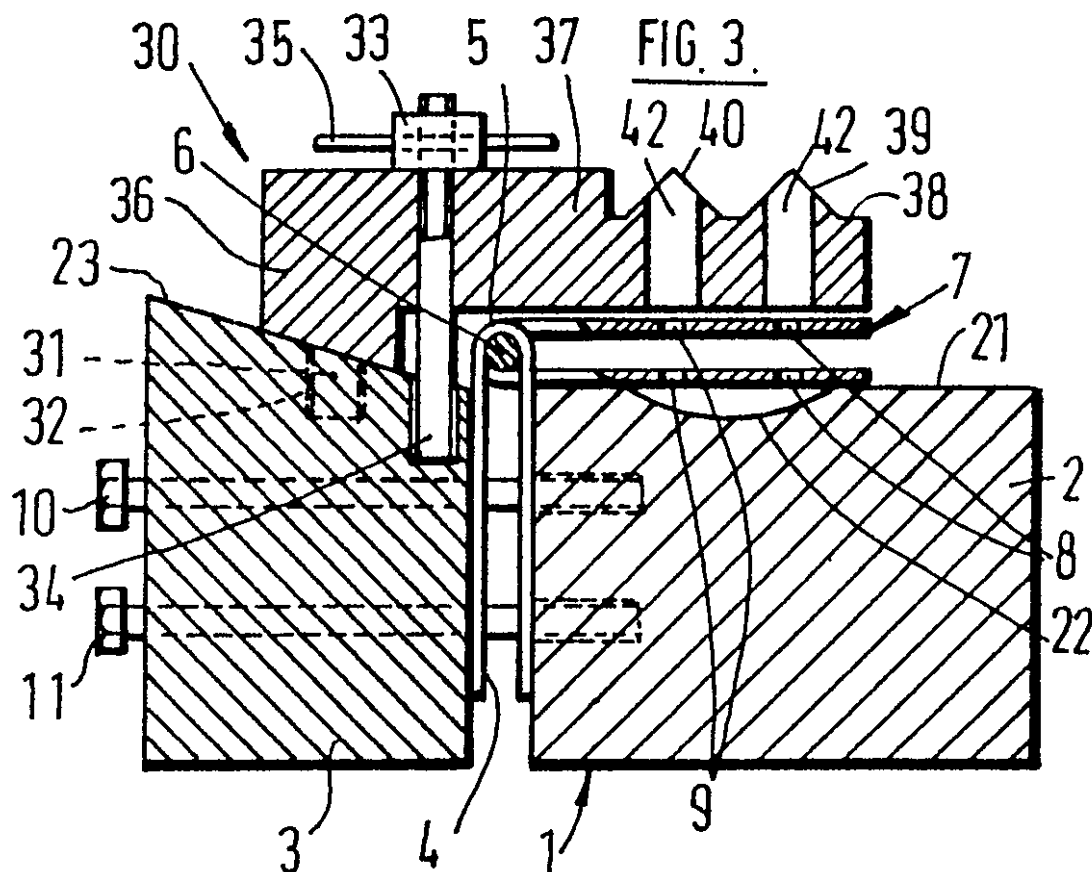
Family 16/25 - FAMPAT - ©Questel

Title

(GB2145188)

Method and apparatus for applying flexible links to conveyor belts

Images



Publication data including kind & date

GB8321851	D0	1983-09-14	GB8321851
GB8420349	D0	1984-09-12	GB8420349
GB2145188	A	1985-03-20	GB2145188
GB2145188	B	1986-11-12	GB2145188



Abstract

(GB2145188)

An apparatus for attaching a U-shaped hinge fastener 7 to an end of a conveyor belt comprises a base plate 1 having first and second sections (2, 3) which can be secured together to locate a second length 4 of U-shaped fastener therebetween, whereby the first mentioned fastener (7) can be held in a first position relative to the first section (2) by means of a hinge pin (6) linking together the two lengths of fastener. The said first section (2) contains a groove (22) parallel to the fastener and positioned under the fixing holes in the sides thereof. A cover plate containing holes (42) concentric with the holes (8, 9) in the fastener is provided with means to cause it to press together the sides of the fastener to grip a portion of belt positioned therebetween. Means are provided to introduce fixing pins into the holes in the cover plate and to drive them

through the holes in the fastener and the belt and cause them to enter the groove (22) in the first section (2) and be turned over against an outer face of the fastener. <IMAGE>

Inventors

HISCOCK ROGER FREDERICK

Latest standardized assignees - inventors removed

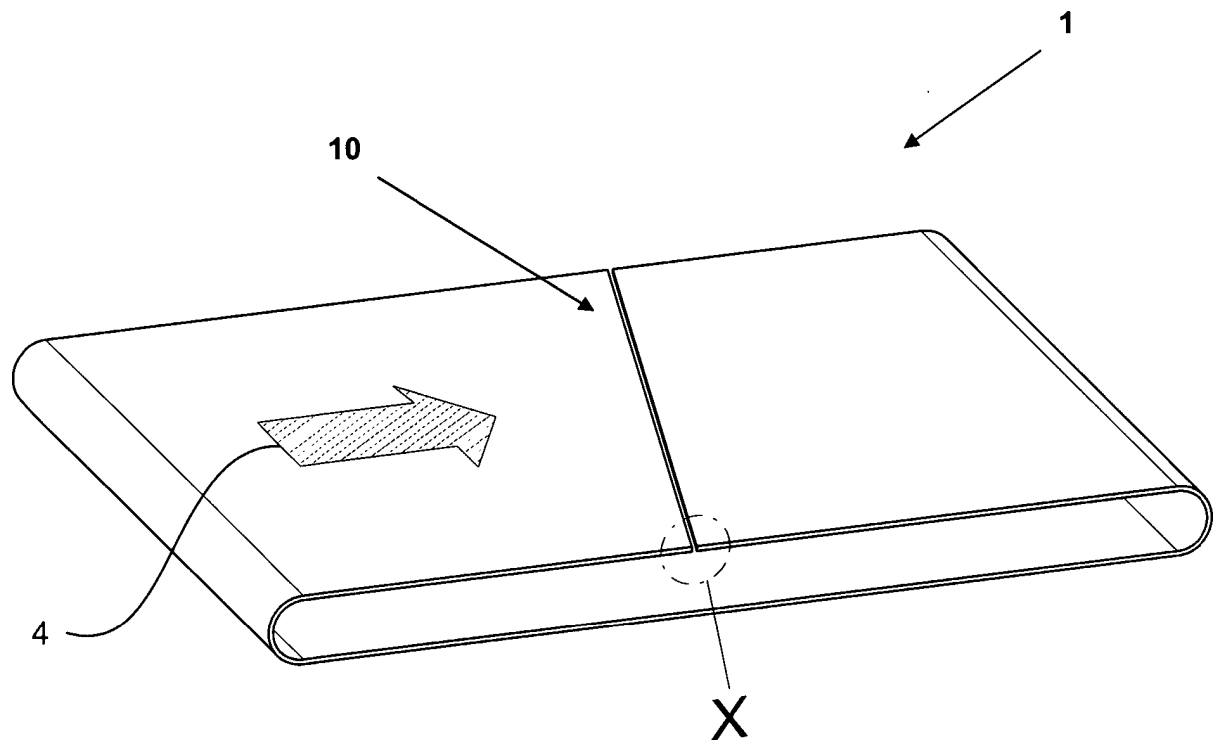
STEELACE

Family 17/25 - FAMPAT - ©Questel

Title

(DE202012008090)

Conveyor belt for

Images**Publication data including kind & date**

DE202012008090	U1	2012-11-08	DE202012008090
JP3186985	U	2013-10-31	JP3186985U
PL122306	U1	2014-03-03	PL-122306U
CN203627649	U	2014-06-04	CN203627649U

**Abstract**

(DE202012008090)

The utility model relates to a conveyor belt for conveying equipment and a weighing and metal detection system of products conveyed by the conveyor belt. The conveyor belt can be in a ring form owing to a connecting mechanism (3) extending cross the conveyor belt (1) by the whole width, namely a closed ring is formed and can be opened again. The connecting mechanism (3) is resistant to pull in a conveying direction (4) and is flexible in the transverse direction. The connecting mechanism (3) extends cross the conveyor belt (1) by the whole width, at an inclined non-regular angle, in the conveying direction (4) relative to the conveyor belt (1).

(From CN203627649 U)

Inventors

GOLY SASCHA

Latest standardized assignees - inventors removed

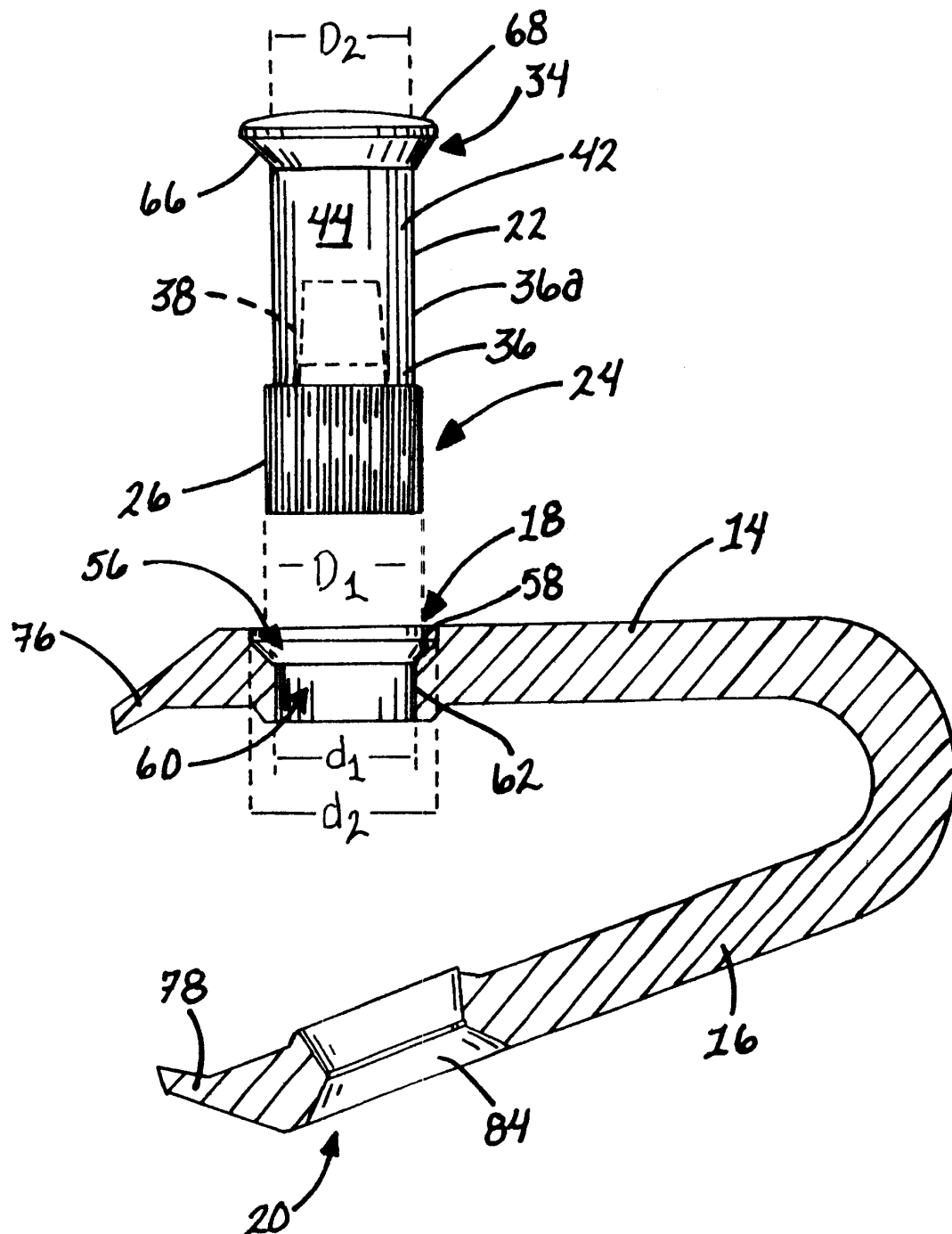
METTLER TOLEDO GARVENS

Family 18/25 - FAMPAT - ©Questel

Title

(EP1923601)

Apparatus for installing fasteners and method for securing pre-inserted rivet fasteners

Images**Publication data including kind & date**

WO200138754	A2	2001-05-31	WO200138754
CA2639763	A1	2001-05-31	CA2639763
CA2390034	A1	2001-05-31	CA2390034
AU4303801	A	2001-06-04	AU200143038
WO200138754	A3	2001-12-27	WO200138754
US2002040841	A1	2002-04-11	US20020040841



US6374999	B1	2002-04-23	US6374999				
EP1230498	A2	2002-08-14	EP1230498				
US6488144	B2	2002-12-03	US6488144				
AU766094	B2	2003-10-09	AU-766094				
EP1230498	A4	2006-09-06	EP1230498				
EP1230498	B1	2008-04-23	EP1230498				
AT393329	T	2008-05-15	ATE393329				
EP1923601	A1	2008-05-21	EP1923601				
DE60038691	D1	2008-06-05	DE60038691				
CA2390034	C	2009-01-27	CA2390034				
DE60038691	T2	2009-05-28	DE60038691				
EP1923601	B1	2010-01-13	EP1923601				
DE60043716	D1	2010-03-04	DE60043716				
CA2639763	C	2011-04-05	CA2639763				

Abstract

(EP1923601)

An applicator machine tool is provided for automatically securing a strip of pre-inserted rivet fasteners to a belt end in a fast and efficient manner. The tool uses operating members to first drive pilot nails through the belt lower surface into registry with the rivets, and thereafter the rivets are driven coordinated with the pilot nails that are withdrawn back through the belt. The pilot nails stop at a predetermined position and the rivets continue to be driven for forming the upset heads at the bottom of the rivet. Further, a method for securing pre-inserted rivet fasteners to belt ends is provided.

Inventors

WINKELMAN JOHN H

VOGRIG JOSEPH C

MITAS GARY E

Latest standardized assignees - inventors removed

FLEXIBLE STEEL LACING

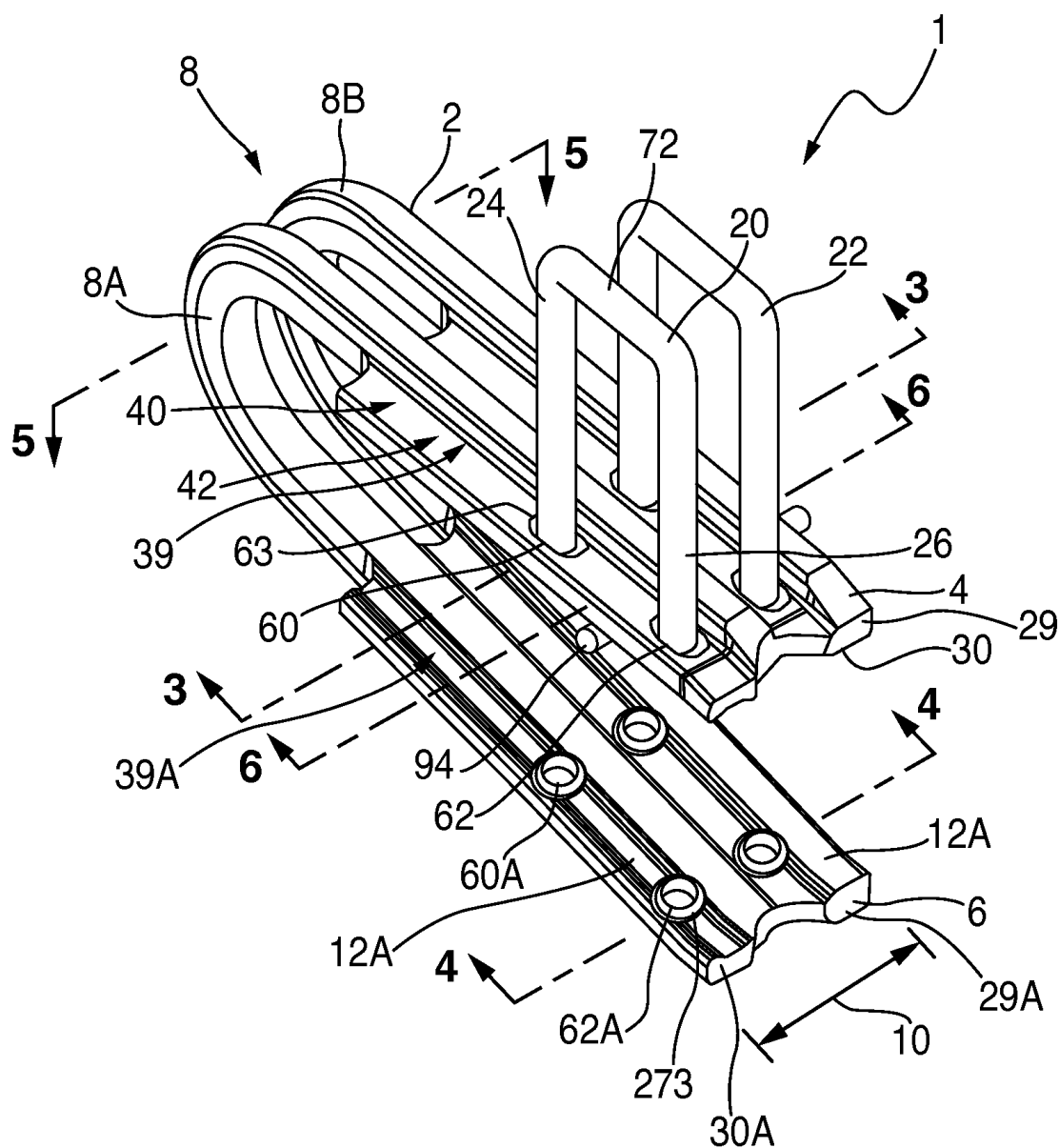
Family 19/25 - FAMPAT - ©Questel

Title

(EP3183473)

Conveyor belt fastener and method of manufacture

Images



Publication data including kind & date

US2016047438	A1	2016-02-18	US20160047438
CA2957561	A1	2016-02-25	CA2957561
WO2016028586	A1	2016-02-25	WO201628586
CN105370796	A	2016-03-02	CN105370796
CN205423686	U	2016-08-03	CN205423686U
US9556930	B2	2017-01-31	US9556930
AU2015305863	A1	2017-03-02	AU2015305863
CN206092811	U	2017-04-12	CN206092811U
US2017138438	A1	2017-05-18	US20170138438
EP3183473	A1	2017-06-28	EP3183473
US9829067	B2	2017-11-28	US9829067



Abstract

(EP3183473)

In one aspect, a conveyor belt fastener is provided having a rigid body made from a strip of cold-rolled or cold-drawn material such as steel. The body has an upper plate portion, a lower plate portion, and loop portions connecting the upper and lower plate portions. The upper and lower plate portions each have a variable cross-sectional thickness laterally thereacross including raised walls projecting outwardly and ribs projecting inwardly. The fastener has at least one

attachment member, such as a staple, for connecting the plate portions to a conveyor belt end and the raised walls protect the staple once driven into the conveyor belt end. A method of manufacturing a fastener is also provided including longitudinally advancing a strip of material having a variable cross-sectional thickness laterally thereacross through processing equipment and forming apertures through thinner material of the strip with the processing equipment for attachment member(s) of the fastener.

Inventors

DANIELS WILLIAM J

Latest standardized assignees - inventors removed

FLEXIBLE STEEL LACING

Family 20/25 - FAMPAT - ©Questel

Title

(EP-437639)

Seal for the connection of two parts of a conveyor belt and connection comprising such a seal.

Images

FIG. 1

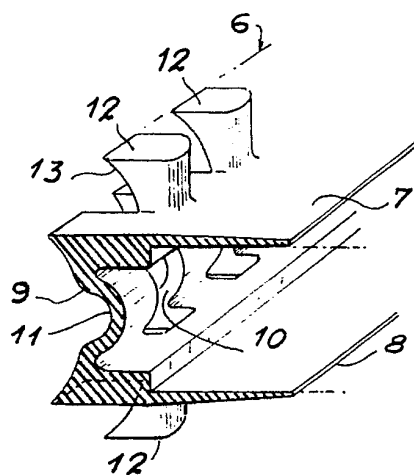
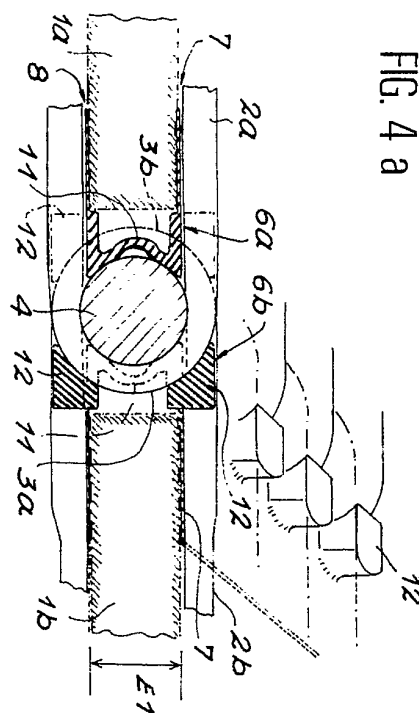


FIG. 4 a



Publication data including kind & date

EP0437639	A1	1991-07-24	EP-437639
US5097944	A	1992-03-24	US5097944
EP0437639	B1	1993-11-10	EP-437639
DE68910694	D1	1993-12-16	DE68910694
DE68910694	T2	1994-05-05	DE68910694



Abstract

(EP-437639)

Ce joint est constitué par un profilé en matière élastique de section en forme générale de U pouvant être placé à cheval sur l'extrémité d'un tronçon à assembler, et ce sous les agrafes (2a, 2b) de la rangée correspondante d'un dispositif de jonction. Or la branche médiane (9) de ce joint (6) présente une série de découpes transversales (10) aptes à recevoir l'extrémité du charnon (3a, 3b) de l'une des agrafes de jonction (2a, 2b) de la rangée antagoniste, ces découpes délimitant autant de lamelles étroites (11) destinées à s'appliquer contre l'axe de jonction (4). Chacune de ces lamelles forme une boucle faisant saillie du côté opposé à celui destiné à s'appliquer sur l'axe de jonction (4). Ainsi cette boucle peut être plus ou moins compressée ou étirée suivant l'épaisseur du tapis transporteur correspondant.

Inventors

SCHICK JEAN-FRANCOIS

Latest standardized assignees - inventors removed

GORO

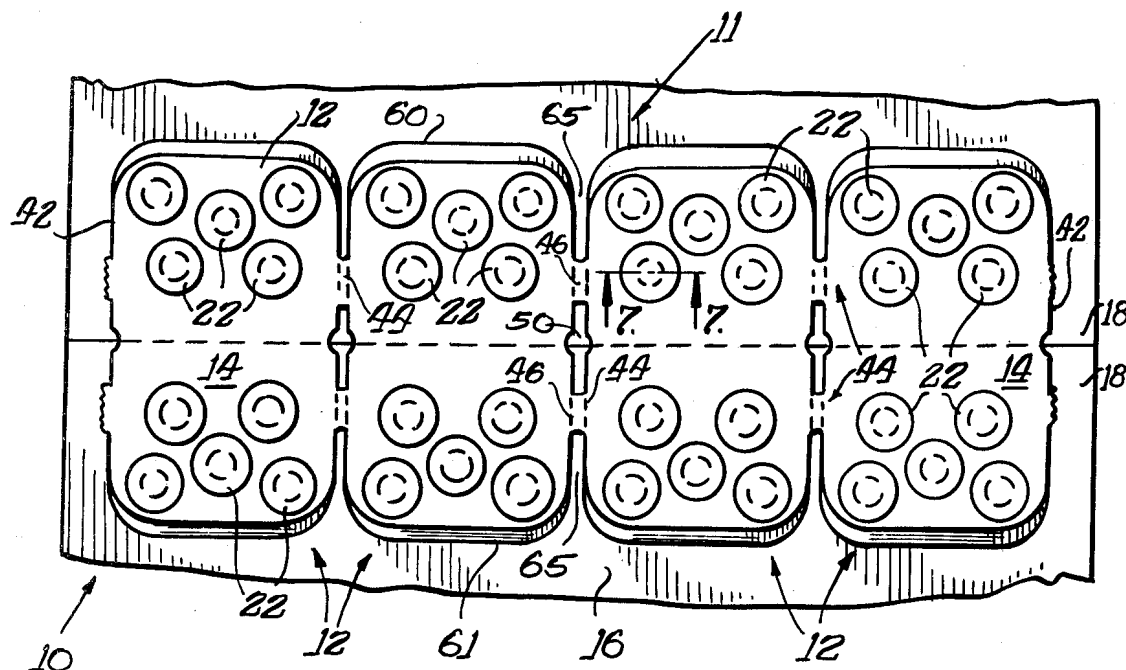
Family 21/25 - FAMPAT - ©Questel

Title

(US4212094)

Belt fasteners

Images



Publication data including kind & date

DE2940522	A1	1980-04-17	DE2940522
AU5131779	A	1980-04-17	AU7951317
JPS5554746	A	1980-04-22	JP55054746
FR2438204	A1	1980-04-30	FR2438204
GB2033046	A	1980-05-14	GB2033046
US4212094	A	1980-07-15	US4212094
ZA7905046	B	1980-09-24	ZA7905046
CA1125055	A	1982-06-08	CA1125055
AU523913	B2	1982-08-19	AU-523913
GB2033046	B	1982-12-15	GB2033046
DE2940522	C2	1984-05-30	DE2940522
FR2438204	B1	1985-09-20	FR2438204
JPS6410702	B1	1989-02-22	JP89010702
JP1530845	C	1989-11-15	JP1530845



Abstract

(US4212094)

A plurality of belt fasteners are joined together by intermediate bridging portions which may break off and leave the adjacent belt fastener edges spaced from each other by the width of the bridging portions when the belt is in use. The preferred fasteners are plate fasteners joined together in a strip of these frangible bridge portions. Preferably, a pair of lines of weakness are formed by stamping parallel notches adjacent either edge of the plate fastener so that substantially all of the bridging material between adjacent fasteners may break off thereby leaving a sizeable gap between adjacent sides of

adjacent fasteners.

Inventors

PRAY WINSTON C

Latest standardized assignees - inventors removed

FLEXIBLE STEEL LACING

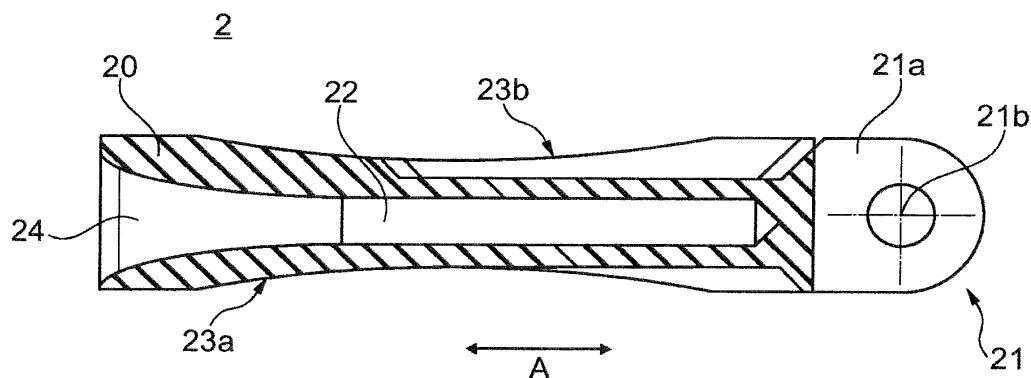
Family 22/25 - FAMPAT - ©Questel

Title

(EP2855970)

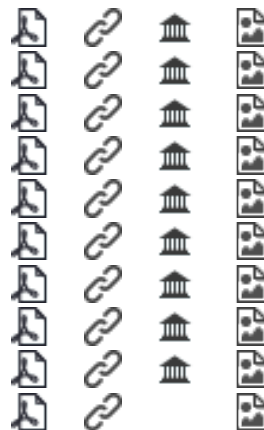
Belt end body or belt segment end body

Images



Publication data including kind & date

WO2013174666	A1	2013-11-28	WO2013174666
DE102012104477	A1	2013-11-28	DE102012104477
CN104334916	A	2015-02-04	CN104334916
US2015075951	A1	2015-03-19	US20150075951
EP2855970	A1	2015-04-08	EP2855970
EP2855970	B1	2016-08-24	EP2855970
CN104334916	B	2016-10-26	CN104334916B
US9506526	B2	2016-11-29	US9506526
ES2602904	T3	2017-02-22	ES2602904
PL2855970	T3	2017-02-28	PL2855970



Abstract

(EP2855970)

The invention relates to a belt end body (20) or belt segment end body (20), comprising an assembly (21) for coupling together with a further corresponding belt end body (20) or belt segment end body (20), and a plurality of clamping openings (24) and clamping holes (22) for accommodating reinforcements (13) of a belt (1) or of a belt segment (1) in a clamped manner, wherein the assembly (21) for coupling together and the clamping openings (24) are substantially opposite in the longitudinal direction (A). The belt end body (20) or belt segment end body (20) is designed in such a way that the unclamped regions of the clamped reinforcements (13) are always in the neutral phase during operation.

Inventors

MÖSCHEN-SIEKMANN MICHAEL

HÜLS ACHIM

Latest standardized assignees - inventors removed

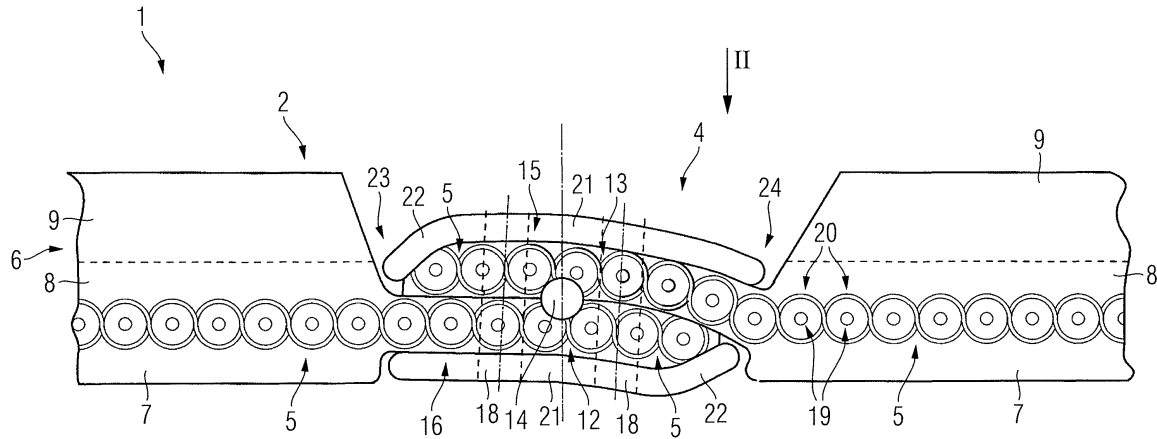
CONTITECH TRANSPORTBANDSYSTEME

Family 23/25 - FAMPAT - ©Questel

Title

(US8066116)

Conveyor belt end connection

Images**Publication data including kind & date**[US2009223783](#)

A1 2009-09-10

US20090223783

[US8066116](#)

B2 2011-11-29

US8066116

**Abstract**

(US8066116)

A conveyor belt has a mono-ply construction comprising a central fabric ply, top and bottom cover layers and a connection interconnecting the opposite ends of the belt. The top and bottom cover layers are removed from the opposite ends of the belt to define exposed fabric ply regions which are arranged in a mutually overlapping relationship. Two connection plates extend generally over the entire width of the conveyor belt on opposite sides thereof, and fasteners extend through the connection plates and the opposite ends of the conveyor belt to form a secure, yet flexible, connection.

Inventors

HEROLD WOLFGANG

Latest standardized assignees - inventors removed

MATO MASCHINEN & METALLWARENFABRIK CURT MATTHAEI

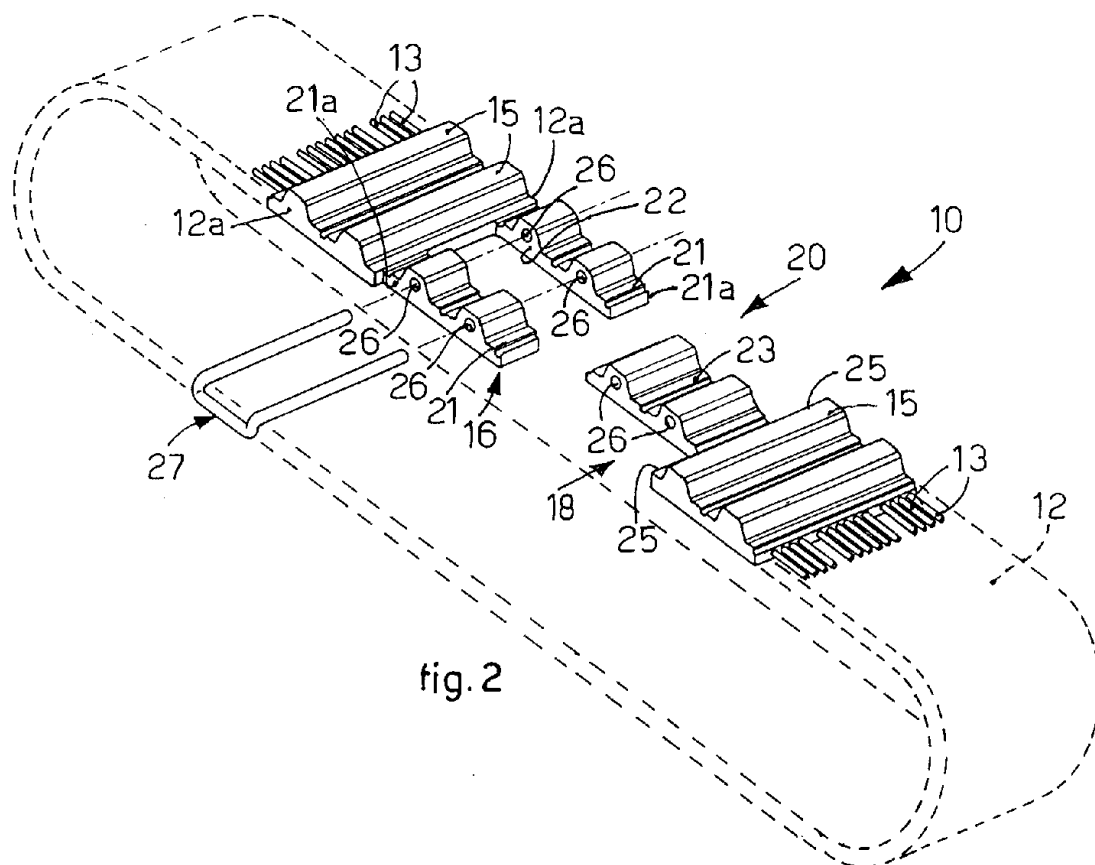
Family 24/25 - FAMPAT - ©Questel

Title

(EP1967758)

Transmission belt and relative production method

Images



Publication data including kind & date

ITUD20070050	A1	2008-09-08	IT2007UD0050
EP1967758	A2	2008-09-10	EP1967758
EP1967758	A3	2009-04-15	EP1967758



Abstract

(EP1967758)

Method to make a transmission belt (10) provided with a strip (12) made of elastomer material, possibly reinforced with inextensible elements, and having at the ends (16, 18) respective joining elements (20) able to be coupled with each other in order to define a closed-ring configuration. The joining elements (20) comprise, made through shaping on each of the ends (16, 18), a protruding element (21, 23) which couples with a corresponding recess (22, 25) made on the opposite end (18, 16), and a closing element (27) inserted into the closed-ring configuration, through corresponding transverse holes (26) made in correspondence with both the protruding elements (21, 23).

Inventors

SCAGLIA RICCARDO

Latest standardized assignees - inventors removed

ELATECH

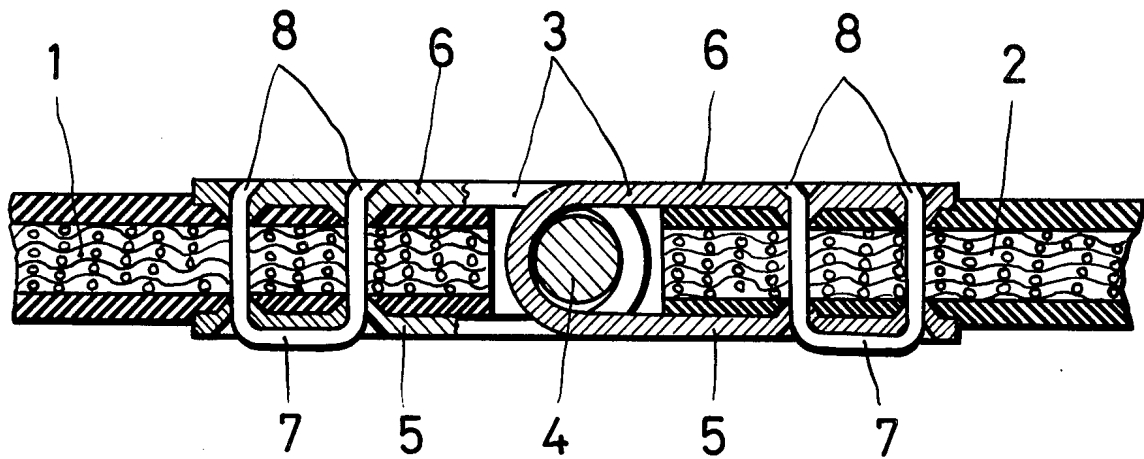
Family 25/25 - FAMPAT - ©Questel

Title

(US4151634)

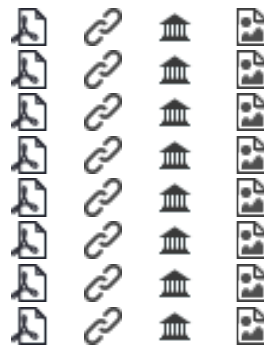
Plate connector for conveyor belts and method for securing such plate connector to conveyor belts

Images



Publication data including kind & date

BE854901	A	1977-09-16	BE-854901
DE2626443	A1	1977-12-22	DE2626443
FR2354485	A1	1978-01-06	FR2354485
US4151634	A	1979-05-01	US4151634
DE2626443	B2	1980-03-27	DE2626443
GB1584383	A	1981-02-11	GB1584383
DE2626443	C3	1981-07-02	DE2626443
FR2354485	B1	1984-01-06	FR2354485



Abstract

(US4151634)

Plate connectors are secured to the free ends of belts, such as conveyor belts, by means of staples, the protruding ends of which are bent over. Preferably, there are recesses at least in one outer surface of the plate connector. The bent over ends of the staples are preferably cut-off in a plane corresponding substantially to the outer surface of the plate connector, whereby a portion of the bent over staple end is received in its respective recess. The recesses may, however, also be shaped and sized so as to hold the entire bent over end of the staples without severing the ends.

Inventors

STOLZ HERMANN

Latest standardized assignees - inventors removed

MATTHAEI MATO MASCH