

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the MISSPELLING OF FIRST ASSIGNOR'S LAST NAME previously recorded on Reel 048414 Frame 0559. Assignor(s) hereby confirms the FIRST LISTED ASSIGNOR'S LAST NAME SHOULD READ SCHULZ.
CONVEYING PARTY DATA	
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TORSTEN OEHM	08/30/2018
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Property Type	Number
Application Number:	15752167
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DATE SIGNED:	11/24/2020
Total Attachments: 10	

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR'S previously recorded on Reel 048333 Frame 0962. Assignor(s) hereby confirms the ASSIGNOR'S SHOULD INCLUDE: FRIEDHELM SCHULTZ, HANS GUNTHER KASTNER AND TORSTEN OEHM.
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State/Country:	ILLINOIS
Postal Code:	60026
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15752167
CORRESPONDENCE DATA	
Fax Number:	(312)346-8434
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	312-476-7593
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Total Attachments: 9	

PATENT ASSIGNMENT

This Patent Assignment is made by and between:

- Friedhelm Schultz, Hans Günther Kastner, and Torsten Oehm (the "Inventors") and SPG Packaging Systems GmbH, which has a place of business at Westring 13, 40721, Hilden, Germany ("SPG Hilden"), individually and collectively as the Assignors; and
- Signode Industrial Group LLC, which is a limited liability company of the State of Delaware, U.S.A., and has a place of business at 3650 West Lake Avenue, Glenview, Illinois 60026, U.S.A. ("SIG"), as the Assignee.

Whereas, SPG Hilden is a division, subsidiary, business unit, or other entity controlled by or under common control with SIG,

Whereas, German Patent Application No. 102015113350.4, which was filed on August 13, 2015; German Utility Model Application No. 202015104275.2, which was filed on August 13, 2015; European Patent Application No. 16754135.8, which was filed on August 15, 2016; PCT Application No. US/2016/ 047017, which was filed on August 15, 2016; and U.S. Patent Application No. 15/752167, which was filed on February 12, 2018 (the "Patent Applications"), describe one or more inventions (the "Inventions").

Whereas, the Inventors made the Inventions for which the Patent Applications were filed.

Whereas, SPG Hilden employed the Inventors in a technical capacity upon filing of the first Patent Application.

Whereas, the Assignors and the Assignee have at all times desired that SIG shall absolutely hold any and all rights in and to the Inventions and the Patent Applications and all related patent applications.

Now therefore, for valuable and sufficient consideration from the Assignee to the Assignors, receipt of such consideration is hereby acknowledged and intending to be legally sufficient, the Assignors hereby sell, assign, and convey to the Assignee, its successors, and its assigns (or hereby confirm a prior sale, assignment, and conveyance to the Assignee, its successors, and its assigns of) the entire right, title, and interest of

the Assignors in and to the Inventions and the Patent Applications, including (but not limited to) the entire right, title, and interest of the Assignors:

- (1) in and to all patent applications on the Inventions and/or that claim priority to the Patent Applications that have already been or are hereafter filed (and any patents that issue therefrom) in any jurisdiction, including any divisional, continuation, continuation-in-part, substitution, reexamination, and reissue applications (and legal equivalents thereof);
- (2) in and to any priority rights and any other application and patent rights in those patent applications and patents; and
- (3) in and to any rights to sue for any past, present, or future infringement of any patents issuing from the Patent Applications and any other patent applications in any jurisdictions on the Invention, including (but not limited to) the right to collect and receive any damages, royalties, or settlements for such infringements; any rights to sue for injunctive or other equitable relief; and any causes of action relating to any patents issuing from any the Patent Applications or any other patent applications on the Inventions.

The Assignors confirm that the Assignee had the right to file the Patent Applications and shall have the right to file additional patent applications on the Inventions in any jurisdictions.

The Assignors agree that the Patent Applications and any other patent applications that may be filed on the Inventions under any applicable international treaties or conventions may be filed in the Assignee's name with the right to claim priority to the Patent Applications.

The Assignors authorize the appropriate government officials to issue to the Assignee any patents granted on the Patent Applications and/or other patent applications on the Inventions.

The Assignors agree that the Assignors shall, upon demand of the Assignee, its successors, or its assigns and without further consideration to the Assignors, fully cooperate with the Assignee in preparing, filing, and procuring any patent applications on the Inventions in any jurisdictions.

The Assignors agree that the Assignors shall, upon demand of the Assignee, its successors, or its assigns and without further consideration to the Assignors, execute and deliver any papers, make all rightful oaths, and perform all acts that may be reasonably necessary (or deemed by the Assignee, its successors, or its assigns to be reasonably necessary) to fulfill the intent and purposes of this Assignment.

The Assignors agree that the Assignors shall, upon demand of the Assignee, its successors, or its assigns and without further consideration to the Assignors, provide any information, testify in any legal proceeding, and take any other actions that may be reasonably necessary (or deemed by the Assignee, its successors, or its assigns to be reasonably necessary) to the Assignee's, its successors', or its assigns' full enjoyment, protection, enforcement, and title in and to the Inventions and any rights hereby transferred.

The Assignee can assign any rights the Assignee takes under this Assignment without restriction.

The Assignors confirm the Assignors' absolute assignment to Assignee of any rights the Assignors may have in the Inventions and the Patent Applications to the full extent that the Assignors would have had had this Assignment not been made.

The consideration for the Assignment is enumerated above. In deference to those jurisdictions in which monetary consideration is required to effect an assignment, the Assignee agrees to pay each of the Assignors \$1 or another sufficient amount as agreed to by the parties, the receipt, adequacy, and sufficiency of which the Assignors acknowledge on signature hereto.

INVENTOR

Friedhelm Schulz

Signature

Friedhelm Schulz

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29.8.2008

Date Signed

Witness

The person whose name is subscribed above appeared before me personally and, in my presence, executed this Assignment for the purpose contained therein by signing his/her name above.

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Torsten Oehl

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TORSTEN OEHL

Date Signed

29.8.2008

INVENTOR

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Hans - Günther Kastner

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Date Signed

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Date Signed

30.8.2018

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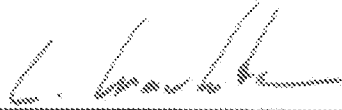
Signature

Printed Name

Date Signed

Susanne Hennemann

30.8.2018



SPG HILDEN

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Lars Krachten

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Title

10.05.2018

Date Signed

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kind of national protection available): AE, AG, AL, AM,
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(54) Title: STRAPPING APPARATUS FOR PACKAGES AND STRAPPING METHOD

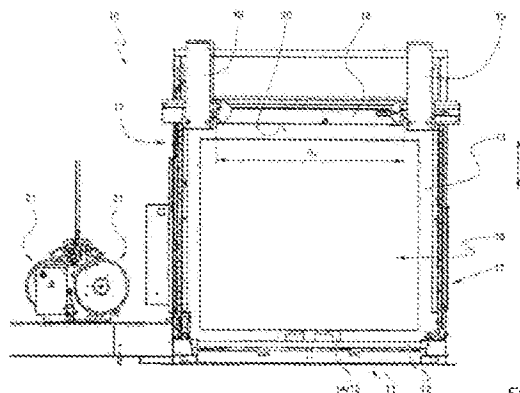


Fig. 1

(57) Abstract: A strapping apparatus (10) for packages, has a packing table (11) on which the package (13) to be strapped lies. The apparatus has vertically oriented supports (17) which are arranged laterally on the packing table (11), a horizontally oriented pressing plate (12) which is arranged on the vertical supports (17) and which is movable in a vertical direction, and a device, situated on the pressing plate (12), for the arrangement of an edge protection means on the package (13) lying on the packing table (11). The device for the arrangement of the edge protection means can be moved from an initial position remote from the package into an arrangement position close to the package (13). The device includes at least one magazine (19), arranged on the pressing plate (12), for the supply of edge protection means and has a first clearance outline profile which is delimited by the packing table (11), the vertical supports (17), the pressing plate (12) and the at least one magazine (19). The magazine (19) has a normal position which, for the transfer of an edge protection means, corresponds to the initial position of the arrangement device, and the magazine (19) is a part of a first clearance outline profile. The magazine (19) has a deflected position into which it can be moved from the normal position and in which the magazine (19) is part of a second, wider clearance outline profile. A method for strapping packages in a strapping apparatus is also disclosed.

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