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**B32B 25/10** (2006.01)

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(71) **Applicant** (for all designated States except US): **AVERY DENNISON CORPORATION** [US/US]; 150 N. Orange Grove Blvd., Pasadena, CA 91103-3596 (US).

## (72) Inventors; and

(75) **Inventors/Applicants** (for US only): **CEUSTERS, Robert** [BE/BE]; Bloemfonteinstraat 12, B-2300 Turnhout (BE). **DE RUIJTER, Michel, J.** [NL/US]; 317 E. Edinburgh Drive, Highland Heights, OH 44143 (US). **POTTERS, Pieter** [BE/BE]; Gierledreef 8, B-2300 Turnhout (BE). **BOGAERTS, Bert** [BE/BE]; Vlaamse Gaaisstraat 3, B-2530 Boechout (BE).

(74) **Agents:** **BEMBENICK, Brian, G.** et al.; Avery Dennison Corporation, 8080 Norton Parkway, 22-d, Mentor, OH 44060 (US).

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## (88) Date of publication of the international search report:

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## (54) Title: ELASTIC LAMINATE

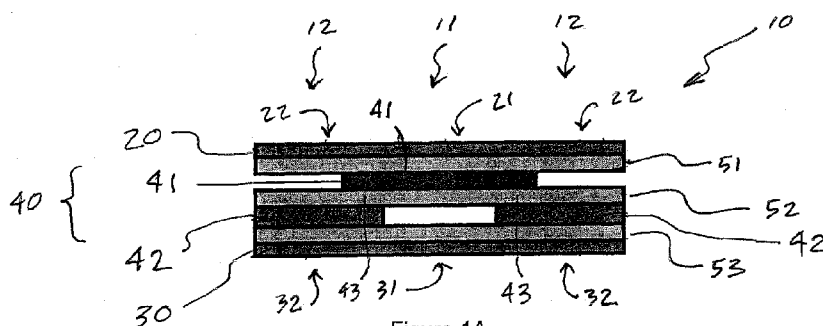


Figure 1A

(57) **Abstract:** An elastic laminate (10) elongates in the cross direction (CD) upon application of an elongation force and recovers upon release of the elongation force. The laminate's intermediate layer (40) is positioned between fabric layers (20, 30) and comprises lanes (41/42) extending in the machine direction (MD). At least one of these lanes is a film lane (41) and at least one of these lanes is a fabric lane (42). Each film lane (41), an accumbent region (21) of the first fabric layer (20), and an accumbent region (31) of the second fabric layer (30) can form at least part of an elastic zone (11). A stretchable laminate (208) can comprise an elastic layer (220), fabric layers (230, 240), and unpatterned adhesive layers (253, 254). The fabric layers (230, 240) may include scored interruptions (232/233) extending partially through the fabric-layer thickness. A laminate (408/410) can comprise an elastic layer (420), a first fabric layer (430), and a second fabric layer (440). The fabric layers (430, 440) can have scored regions (431, 441), extending partially through their layer thickness and reinforcement ribs (439, 449) formed within the scored regions (431, 441).

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2009/030949

## A. CLASSIFICATION OF SUBJECT MATTER

INV. B32B3/22 B32B5/26 B32B25/10 B32B27/02 A61F13/15

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B32B A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007/135008 A1 (HALL GREGORY K [US] ET AL) 14 June 2007 (2007-06-14) abstract; examples	107,110, 154,162
X	US 2006/162843 A1 (BALDAUF GEORG [DE] ET AL BALDAUF GEORG [DE] ET AL) 27 July 2006 (2006-07-27) abstract; figure 4 paragraph [0019] - paragraph [0022]	1-109, 128-190
X	US 2006/292328 A1 (BALDAUF GEORG [DE] ET AL BALDAUF GEORG [DE] ET AL) 28 December 2006 (2006-12-28) abstract; figures 1,2 paragraph [0023] - paragraph [0026] ----- -/--	1-109, 128-190

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

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European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040,  
Fax: (+31-70) 340-3016

Authorized officer

Lichau, Holger

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005/137542 A1 (UNDERHILL RICK [US] ET AL) 23 June 2005 (2005-06-23) abstract paragraph [0084]	161-190
A	US 2002/070864 A1 (JEUTTER DEAN CURTIS [US] ET AL) 13 June 2002 (2002-06-13) abstract paragraph [0074]	161-190
P,X	WO 2008/011514 A (AVERY DENNISON CORP. [US]; BOGAERTS BERT [BE]) 24 January 2008 (2008-01-24) abstract; figures 3,4	1-109, 128-190
P,X	WO 2008/024739 A (APLIX INC [US]) 28 February 2008 (2008-02-28) abstract; figures 3-6 page 6, line 15 - page 12, line 16 page 13, line 14 - page 14, line 5	1-190

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2009/030949

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-161

A laminate comprising a first fabric layer, a second fabric layer, and lanes situated between the fabric layers, wherein the lanes extend in the machine direction (MD) and are positioned alongside each other in the cross direction (CD), and wherein at least one of these lanes is a film lane and at least one of these lanes is a fabric lane, as well as processes for the manufacture of specific types of laminates of the aforementioned kind.

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2. claims: 162-190

A laminate comprising a first fabric layer, a second fabric layer, and a layer therebetween including an elastic zone, the laminate further comprising an RFID device.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2009/030949

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