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- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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(54) **Title:** ELASTIC LAMINATE AND METHOD OF MAKING

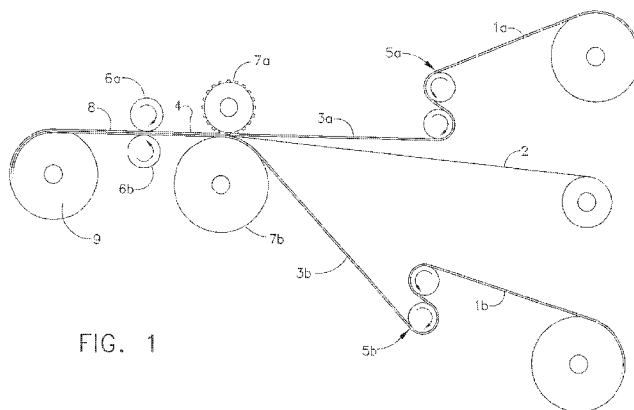


FIG. 1

(57) **Abstract:** An elastic laminate for use as a tear resistant diaper side panel. The elastic laminate comprises an elastic substrate bonded to at least one layer of a tensioned spunbond nonwoven web comprising thermoplastic filaments comprising at least about 10% by weight polyethylene. The laminate is then incrementally stretched in the transverse direction to provide a service stretch greater than 100% and a strength ratio greater than 0.35. In one embodiment, the elastic substrate is bonded between the tensioned nonwoven webs by point bonding or hot melt adhesives. Also disclosed is a method for making an elastic laminate comprising the steps of providing at least one layer of a tensioned spunbond nonwoven web comprising thermoplastic filaments comprising at least about 10% by weight polyethylene, providing an elastic substrate, bonding the elastic substrate and the at least one layer of nonwoven web to provide an elastic laminate, and incrementally stretching the laminate in the transverse direction to provide a service stretch greater than 100% and a strength ratio greater than 0.35.



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A. CLASSIFICATION OF SUBJECT MATTER***B32B 27/12(2006.01)i, B32B 37/12(2006.01)i, A61F 13/15(2006.01)i***

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)

IPC 8: B32B 27/08, B32B 07/12, A41D31/00, A62D5/00, B32B21/00, B32B27/00, B32B27/12, A61F13/15, A61F13/56

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 practicable, search terms used)

eKOMPASS (KIPO internal) & keywords : "elastic", "laminated", "nonwoven", "web", "polyethylene", "transverse direction", "cross direction", "strength", and "stretch"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,015,764 A (ANN L. MCCORMACK et al.) 18 January 2000 See abstract; figures 2-3; column 7, lines 6-13 and 62-66; column 8, lines 11-15 and 53-58; column 9, lines 33-38; and column 11, line 26 - column 13, line 55.	1-20
A	US 2005-0124251 A1 (DE-SHENG TSAI et al.) 9 June 2005 See abstract; paragraphs [0029] - [0042]; and claims 21-22, 26 and 36.	1-20
A	US 6,376,095 B1 (YUNWA W. CHEUNG et al.) 23 April 2002 See abstract; column 6, lines 20-44; column 23, lines 47-56; and column 35, line 33 - column 36, line 12.	1-20
A	US 6,942,896 B1 (KENNETH E. MARTIN) 13 September 2005 See abstract; column 3, lines 14-64; and column 6, lines 7-15 and 42-51.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"O" document referring to an oral disclosure, use, exhibition or other means

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"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

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