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(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY** [US/US]; 3M Center, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).

(72) Inventors: **ARAI, Nobuharu**; 6-7-29 Kitashinagawa, Shinagawa-ku, Tokyo 141-8684 (JP). **HOSOKAWA, Hirofumi**; 6-7-29 Kitashinagawa, Shinagawa-ku, Tokyo 141-8684 (JP). **KUNIHIRO, Kioshi**; 6-7-29 Kitashinagawa, Shinagawa-ku, Tokyo 141-8684 (JP).

(74) Agent: **BLANK, Colene H.**, et al.; 3M Center, Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, Minnesota 55133-3427 (US).

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(54) Title: DIAPER EAR MEMBER, SHEET MEMBER AND DIAPER

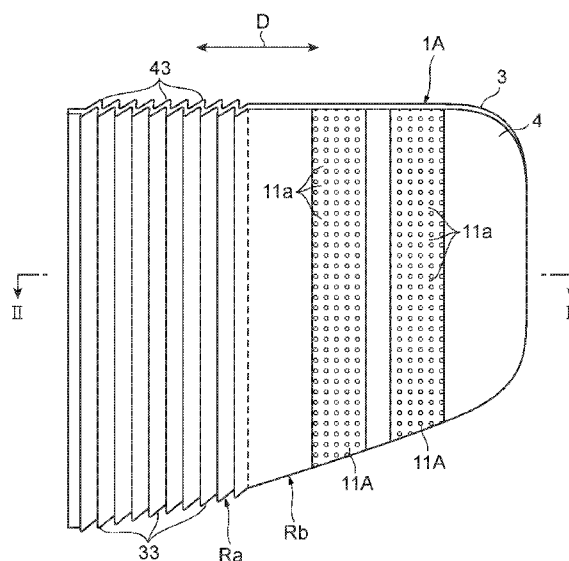


FIG. 1

(57) Abstract: A diaper ear part according to one embodiment, which contains a nonwoven fabric, a stretchable film that is layer laminated on at least one side of the nonwoven fabric, a stretchable region, where at least the nonwoven fabric and the elastic film are fixed and adhered, and a low stretchable area, which includes at least one part of the nonwoven fabric, and whose elastic properties are lower than those of the elastic area, and also, which is located adjacent to and in the same direction as the elastic area, where the nonwoven fabric of the elastic area is provided with an expansion/contraction allowing (stretchable) part where numerous folds are provided aligned in one direction, and the nonwoven fabric of the low elasticity area is provided with an expansion/contraction restricting part, where there are no multiple folds formed.



SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB19/55404

A. CLASSIFICATION OF SUBJECT MATTER

IPC - A61F 13/15, 13/49, 13/493 (2020.01)

CPC - A61F 13/15, 13/15747, 13/49, 13/49001, 13/49007, 13/49009, 13/4902, 13/49011, 13/49012, 13/49014, 13/49015, 13/49061, 13/51104; B32B 3/08, 3/10, 5/08, 5/022

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)

See Search History document

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

See Search History document

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

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2016/0324697 A1 (MONDI CONSUMER PACKAGING TECHNOLOGIES GMBH) 10 November 2016; figures 1-4; paragraphs [0027], [0029], [0033]	1-4, 5/1-5/4, 9-12, 13/11-13/12
Y	US 2017/0281417 A1 (DAIO PAPER CORPORATION) 05 October 2017; figures 6(a)-(b); paragraphs [0095]-[0096], [0101]	1-4, 5/1-5/4, 9-10
Y	US 2004/0073188 A1 (MITSUI, K et al.) 15 April 2004; figure 9; paragraphs [0084], [0088]	4, 5/4
Y	US 5897545 A (KLINE, M et al.) 27 April 1999; figure 9A; column 23, lines 5-7	5/1-5/4, 9-10
Y	WO 2013/080738 A1 (SHINOBU, T et al.) 06 June 2013; figures 1-3; page 5, second paragraph from top; page 7, second paragraph from bottom	11-12, 13/11-13/12
Y	US 2017/0027775 A1 (KIMBERLY-CLARK WORLDWIDE, INC.) 02 February 2017; paragraph [0043]	13/11-13/12
A	US 2018/0042786 A1 (THE PROCTER & GAMBLE COMPANY) 15 February 2018; entire document	1-4, 5/1-5/4, 9-12, 13/11-13/12
A	US 7150732 B2 (YOSHIDA, M et al.) 19 December 2006; entire document	1-4, 5/1-5/4, 9-12, 13/11-13/12

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

* Special categories of cited documents:

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Authorized officer

Shane Thomas

Telephone No. PCT Helpdesk: 571-272-4300

INTERNATIONAL SEARCH REPORT

International application No.

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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.: 6-8
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:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying 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.