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(54) Title: ABSORBENT ARTICLE CONTAINING NANOPOROUS SUPERABSORBENT PARTICLES

(57) Abstract: An absorbent article comprising an absorbent member positioned between a topsheet and a backsheet is provided. The absorbent member contains at least one layer that comprises superabsorbent particles containing nanopores having an average cross-sectional dimension of from about 10 to about 500 nanometers.

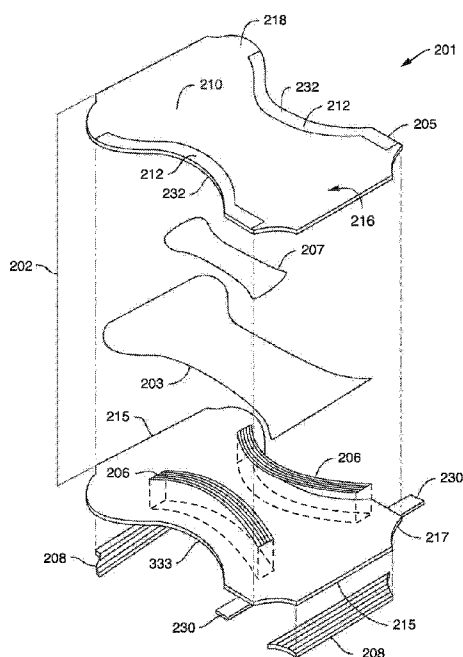


FIG. 9



SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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A. CLASSIFICATION OF SUBJECT MATTER**A61F 13/53(2006.01)i, A61F 13/537(2006.01)i, A61L 15/60(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)

A61F 13/53; A61F 13/49; A61F 13/534; A61L 15/60; B32B 5/02; C08F 2/44; C08F 20/06; C08K 7/00; A61F 13/537

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: absorbent article, fibrous material, superabsorbent particle, nanopores, ethylenically unsaturated monomeric compounds, alkoxysilane functionality

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2015-0342799 A1 (MICHIELS, D. et al.) 03 December 2015 See paragraphs [0002]-[0146]; claim 1; figures 1-26.	1-23
Y	KR 10-2017-0075643 A (LG CHEM, LTD.) 03 July 2017 See paragraphs [0008]-[0222]; claims 1-16; figure 1.	1-23
Y	JP 2013-252331 A (UNICHARM CORP.) 19 December 2013 See paragraphs [0018], [0022]-[0031], [0053]; figures 1-4.	1-23
Y	JP 2013-252330 A (UNICHARM CORP.) 19 December 2013 See paragraphs [0018], [0022]-[0029], [0045]; figures 1-3.	1-23
Y	KR 10-0947302 B1 (UNICHARM CORP.) 16 March 2010 See paragraphs [0029], [0032]-[0036]; figures 1-3.	1-23
Y	KR 10-2017-0075624 A (LG CHEM, LTD.) 03 July 2017 See paragraphs [0011]-[0160]; claims 1-15; figures 1, 2.	1-23



Further documents are listed in the continuation of Box C.



See patent family annex.

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"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

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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