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- (71) Applicant (for all designated States except US): **KIMBERLY-CLARK WORLDWIDE, INC.** [US/US]; Neenah, Wisconsin 54956 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **QIN, Jian** [US/US]; 3316 S. Scarlet Oak Lane, Appleton, Wisconsin 54915 (US). **CALEWARTS, Deborah, J.** [US/US]; 1108 W. Ridgeview Drive, Appleton, Wisconsin 54914 (US). **JURENA, Jeffrey, F.** [US/US]; 430 East Wayfarer Lane, Appleton, Wisconsin 54913 (US). **DESAL, Keyur, M.**

[IN/US]; 6850 Peachtree Dunwoody RD NE Apt 739, Atlanta, Georgia 30328 (US). **WALDROUP, Donald, E.** [US/US]; 325 Todwick Drive, Roswell, Georgia 30075 (US).

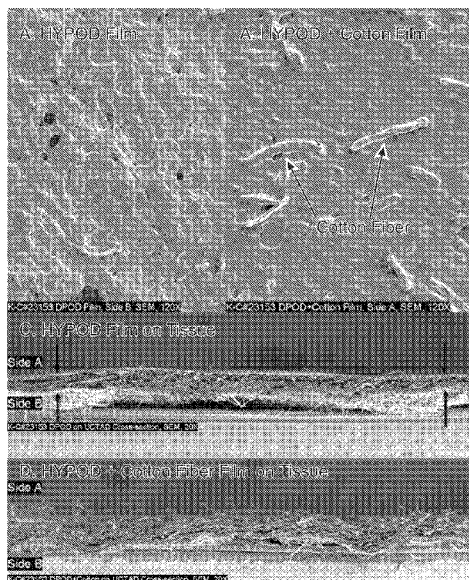
(74) Agents: **PIERRE, Kenya, Thacker** et al.; 2300 Winchester Road, Neenah, Wisconsin 54956 (US).

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[Continued on next page]

(54) Title: SUBSTRATES COMPRISING FROTHED BENEFIT AGENTS AND THE METHOD OF MAKING THE SAME



(57) Abstract: The present invention provides a nonwoven substrate comprising a fibrous web defining a surface; and a layer of a benefit agent wherein said benefit agent is selected from an additive composition, an enhancement component and combinations thereof; wherein said benefit agent is frothed and bonded to the fibrous web surface through a creping process. The present invention also provides for a method of creping a nonwoven substrate comprising the steps of (a) providing a nonwoven substrate; (b) positioning an applicator adjacent to a hot, non-permeable drying surface; (c) through said applicator, applying to the drying surface an aqueous, frothed, benefit agent;(d) allowing the frothed, benefit agent to form an adhesive film onto the drying surface;(e) directly bonding the nonwoven substrate to the adhesive film positioned on the drying surface; and (f) scraping the bonded nonwoven substrate and adhesive film from the drying surface. Additionally, the present invention provides for a nonwoven substrate comprising an adhesive film of an aqueous, frothed, benefit agent wherein said benefit agent is selected from an additive composition selected from a synthetic water-soluble polymer, a natural water-soluble polymer and mixtures thereof; an enhancement component selected from the group consisting of micro-particles, thermally expandable microspheres, cut fibers, additional polymer dispersions, fragrances, anti-bacterials, moisturizers, soothers, medicaments and combinations thereof; and mixtures thereof.

FIG. 14

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PCT/IB2011/055865**A. CLASSIFICATION OF SUBJECT MATTER****D06M 17/00(2006.01)i, D06M 15/21(2006.01)i, D06M 14/02(2006.01)i, B32B 27/12(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)

D06M 17/00; C08J 9/30; B32B 5/20; B32B 3/00; B32B 15/00; B32B 3/10; B32B 3/28

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: nonwoven substrate, fibrous web, benefit agent, creping

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0159200 A1 (SOERENS DAVE ALLEN et al.) 24 June 2010 See claims 1-6.	1,3,4,8,11-15
A	US 04276339A A (STOVEKEN; F. RAYMOND) 30 June 1981 See column 3, lines 3-27 and column 3, lines 63-column 4, line 23.	1-3,9
A	US 05494744A A (EVERHART; DENNIS S. et al.) 27 February 1996 See claims 1, 10, 11, 19, 21-23, 38-41.	1-20
A	US 2006-0211781 A1 (GARY STRANDBURG et al.) 21 September 2006 See claims 5, 24.	1-20

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

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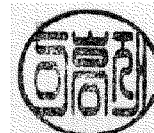
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Lee, Heung Jae

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Information on patent family members

International application No.

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