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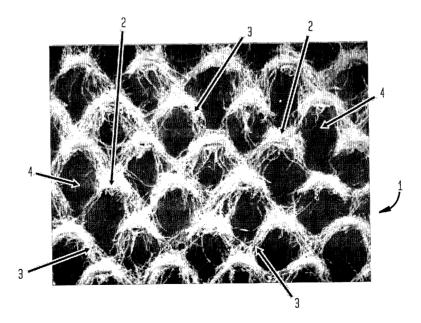
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Declarations under Rule 4.17:

 as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: MULTI-PLY PAPER TOWEL WITH ABSORBENT CORE



(57) Abstract: A multi-ply absorbent sheet of cellulosic fiber with continuous outer surfaces is provided an absorbent core between the outer surfaces. The absorbent core includes a non-woven fiber network having: (i) a plurality of pileated fiber enriched regions of relatively high local basis weight interconnected by way of (ii) a plurality of lower local basis weight linking regions whose fiber orientation is biased along the direction between pileated regions interconnected thereby, and (iii) a plurality of fiber-deprived cellules between the fiber enriched and linking regions, also being characterized by a local basis weight lower than the fiber enriched regions. The cellules provide a sponge-like internal structure of low fiber density regions.



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FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 162/100,111,124,125,129 - see search terms below

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USPTO - WEST - PGPB, USPT, EPAB, JPAB

search terms: aperture, cellulose, cellulosic, dense, densified, density, fiber, fibrous, hydroentangl\$, multiply, nonwoven, non-woven, openings, pileated, plies, spunlac\$

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,277,761 A (Van Phan et al.) 11 January 1994 (11.01.1994) FIG 1, 2, 3A, 3B, col 1 ln 15-29, col 22 TABLE V, col 40 ln 52-55	1, 2 and 4-9 3 and 10-49
Y	US 2003/0021952 A1 (Zink et al.) 30 January 2003 (30.01.2003) FIG 2, para [0071]-[0076]	3, 24 and 44-49
Υ	US 2001/0008180 A1 (Anderson et al.) 19 July 2001 (19.07.2001) abstract, para [0062]-[0100] and [0262]	30-49
Y	US 5,137,600 A (Barnes et al.) 11 August 1992 (11.08.1992) FIG 14, TABLE I, claim 22, col 5 In 20-21 and In 60-63, col 10 In 49-53, col 12 In 59 to col 13 In 3	10-20 and 25-29
Y	US 2004/0226673 A1 (Edwards et al.) 18 November 2004 (18.11.2004) para [0070], [0262]	19-23, 33-36, 38 and 41-49

	Further documents are listed in the continuation of Box C.		
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