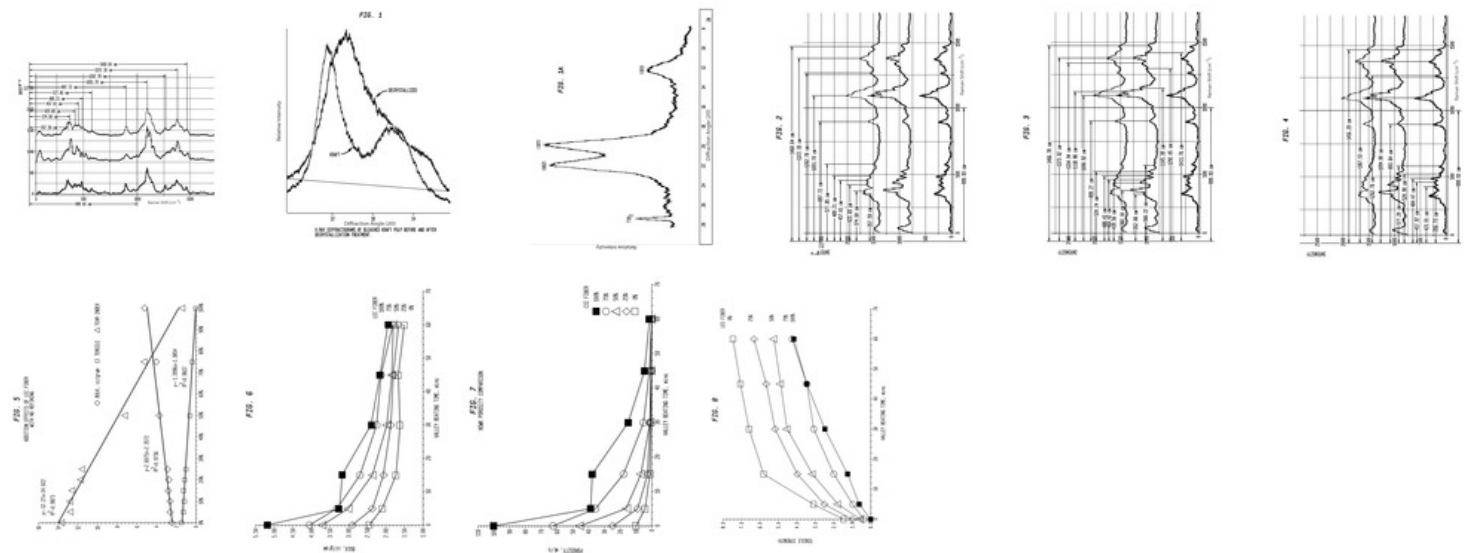
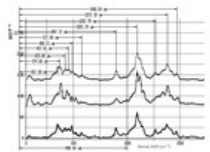


4 results for (Tissue product and cellulosic and fibers and creping and curl index)/TI/AB/IW/TX - Collection: FAMPAT

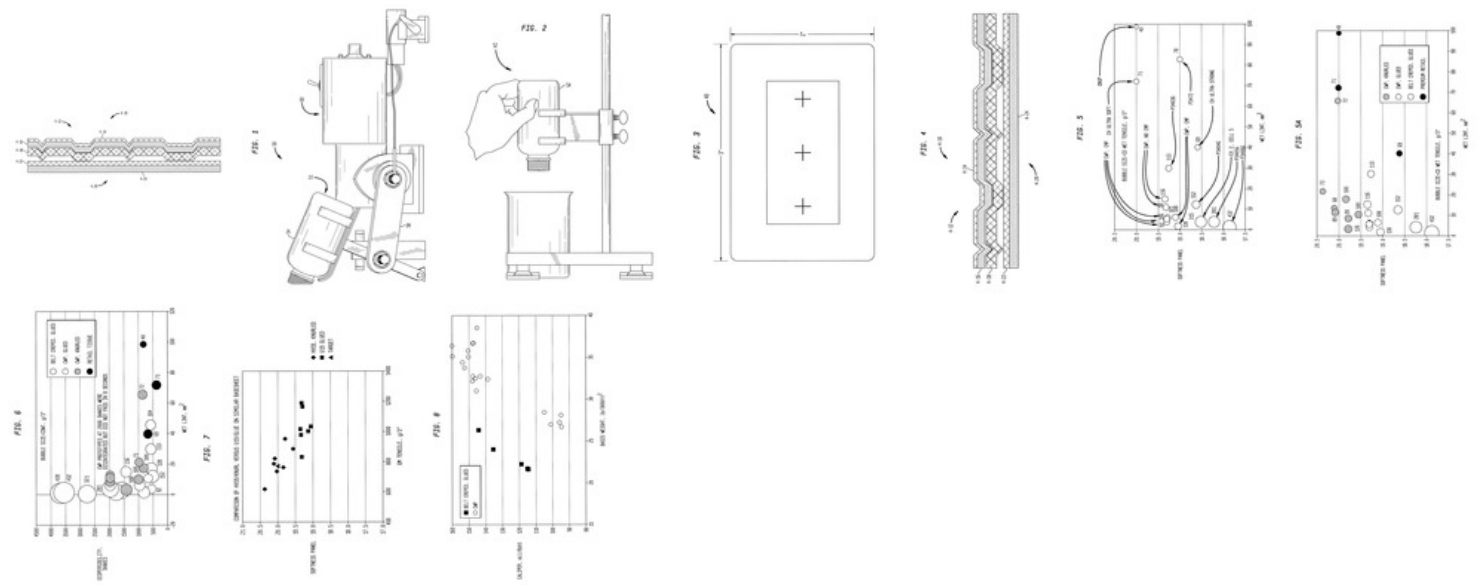
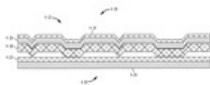
#	Title	Publication number	1st App. date	Applicant/Assignee	1st Publ. date	Publ. date
1.	Tissue products incorporating nanoporous cellulose fiber	US2012273147	2012-04-27	ATALLA RAJAI H;EDWARDS STEVEN L	2012-11-01	2012-11-01

Fibrous **cellulosic** products incorporating both conventional **cellulosic fibers** and laterally expanded cellulose **fibers** exhibit exceptional porosity, bulk, absorbency and resiliency properties. Typical products include absorbent tissue products, absorbent fluff products and flat papers. The laterally expanded cellulose **fibers** exhibit: (i) a broadened X-Ray diffraction peak for the most prominent reflection having a width at half-height, (W1/2h)A, of at least about 3.0° 2Θ, (ii) broad overlapping maxima in their Raman spectrum between 285 and 500 cm⁻¹, the height of the two tallest of said maxima in said spectrum between 285 and 500 cm⁻¹ being between 35 and 50% of the height of the peak near 1098 cm⁻¹ and (iii) a blue stain when treated with Graff C-stain, the stain exhibiting less red than the stains exhibited with bleached hardwood kraft **fibers** and bleached softwood kraft **fibers**.

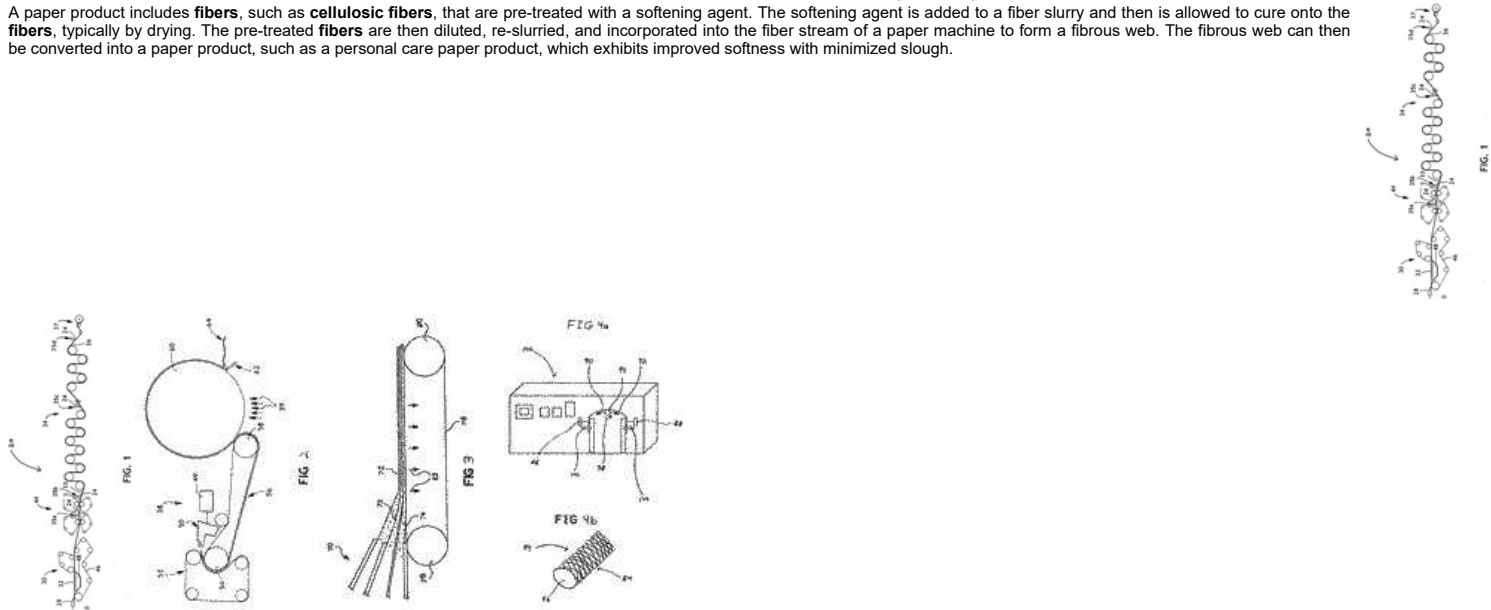


2.	High softness, high durability bath tissue incorporating high lignin eucalyptus fiber	CA2843522	2012-07-13	DZHORDZHUA PESIFIK KONZJUMER PRODAKTS ELPI GEORGIA PACIFIC CONSUMER PRODUCTS GPCP IP HOLDINGS*	2013-01-31	2013-01-31
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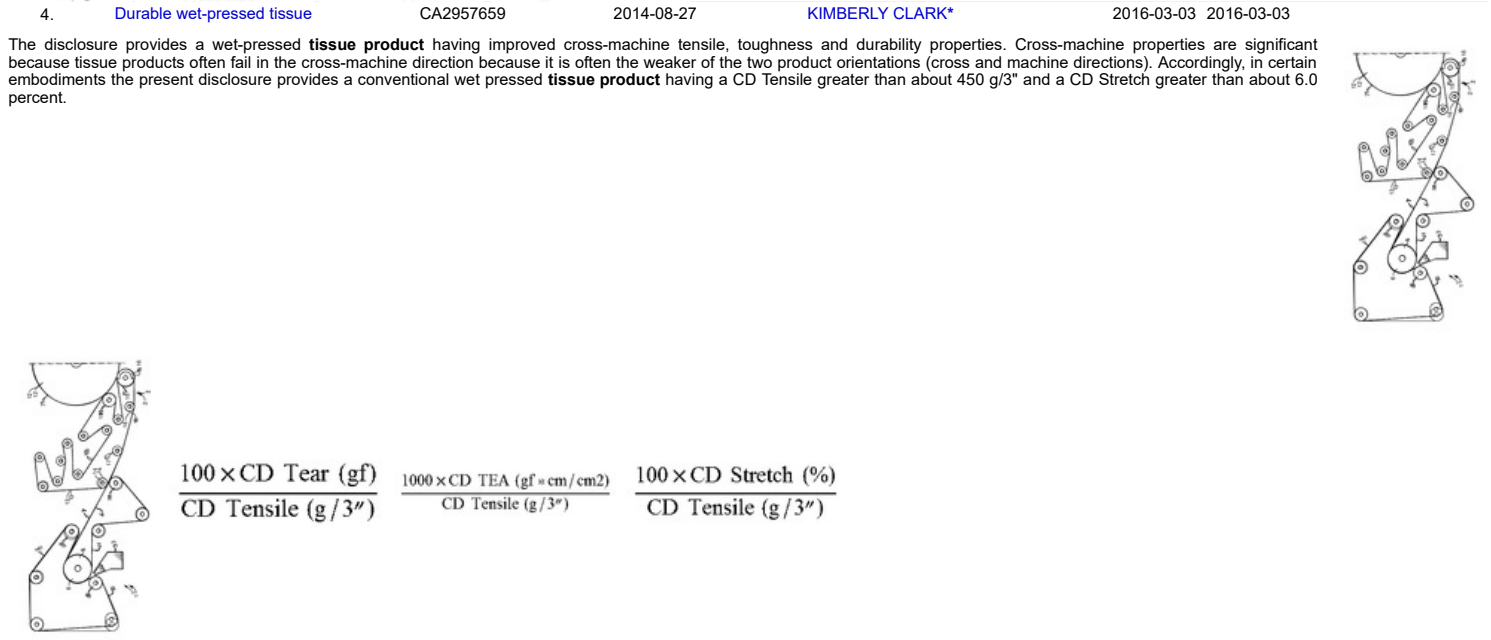
A **cellulosic** tissue includes **cellulosic fibers** selected from the group consisting of chemically pulped **fibers** and mechanically pulped **fibers**, the **cellulosic fibers** have from about 10% to about 50% by weight eucalyptus **fibers** having a lignin content of at least about 20% by weight, and from about 3% to about 10% by weight regenerated **cellulosic** microfibers.

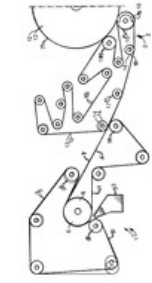


A paper product includes **fibers**, such as **cellulosic fibers**, that are pre-treated with a softening agent. The softening agent is added to a fiber slurry and then is allowed to cure onto the **fibers**, typically by drying. The pre-treated **fibers** are then diluted, re-slurried, and incorporated into the fiber stream of a paper machine to form a fibrous web. The fibrous web can then be converted into a paper product, such as a personal care paper product, which exhibits improved softness with minimized slough.



The disclosure provides a wet-pressed **tissue product** having improved cross-machine tensile, toughness and durability properties. Cross-machine properties are significant because tissue products often fail in the cross-machine direction because it is often the weaker of the two product orientations (cross and machine directions). Accordingly, in certain embodiments the present disclosure provides a conventional wet pressed **tissue product** having a CD Tensile greater than about 450 g/3" and a CD Stretch greater than about 6.0 percent.





$$\frac{100 \times \text{CD Tear (gf)}}{\text{CD Tensile (g/3")}}$$

$$\frac{1000 \times \text{CD TEA (gf} \cdot \text{cm/cm}^2\text{)}}{\text{CD Tensile (g/3")}}$$

$$\frac{100 \times \text{CD Stretch (\%)}}{\text{CD Tensile (g/3")}}$$