

Title (en)
MANUFACTURE OF SOFTENED CELLULOSE FIBER-BASED PRODUCTS

Title (de)
HERSTELLUNG VON WEICHEN PRODUKTEN AUS ZELLSTOFFFASERN

Title (fr)
REALISATION DE PRODUITS A BASE DE FIBRES CELLULOSIQUES ADOUCIES

Publication
EP 0882157 A1 19981209 (EN)

Application
EP 97906919 A 19970218

Priority
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Abstract (en)
[origin: WO9731153A1] A process and composition for softening cellulose fibers for the manufacture of softened cellulose fiber-based products such as paper towels, facial tissue, sanitary tissues, toilet tissues, non-woven fabrics and fluff pulp, and the products made by said process. The process maintains a high level of wet strength in the finished paper product containing suitable wet strength additives, as measured by the wet tensile strength of the dry web. The process includes treating cellulose fiber with chemical softening composition comprising phospholipids, a non-ionic surfactant and, optionally, a lubricating additive. The composition includes a phospholipid, a non-ionic surfactant and, optionally, a lubricant. The products include softened cellulose fiber-based material including a composition which includes a phospholipid, a non-ionic surfactant and, optionally, a lubricant. The phospholipids include phosphatidylcholine (lecithin), hydroxylated phosphatidylcholine, phosphatidylethanolamine, hydroxylated phosphatidylethanolamine, phosphatidylserine, hydroxylated phosphatidylserine, phosphatidylinositol and hydroxylated phosphatidylinositol.

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