

Search history

Search 1: SFT=(papermaking) (Results 54348)
Search 2: treating filler (Results 59)
Search 3: cationic flocculant (Results 810)
Search 4: cellulose (Results 791848)
Search 5: 1 and 2 (Results 11)
Search 6: 5 and 3 (Results 2)
Search 7: 6 and 4 (Results 2)
Search 8: 7 and pd<20150930 (Results 1)

Title: METHOD OF INCREASING PAPER STRENGTH BY USING NATURAL GUMS AND DRY STRENGTH AGENT IN THE WET END

Abstract: The invention provides a method of improving dewatering efficiency, increasing sheet wet web strength, increasing sheet wet strength and enhancing filler retention in a **papermaking** process. The method improves the efficiency of drainage aids or wet web strength aids or wet strength aid by coating at least some of the filler particles with a natural gum and with a material that prevents the filler materials from adhering to those additives. The drainage additive or wet web strength additive or wet strength aid holds the **cellulose** fibers together tightly and is not wasted on the filler particles.

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CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN
IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW
MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM
SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW