

Title (en)
MULTI PEROXIDE STAGE MECHANICAL PULP BLEACHING

Publication
EP 0191756 B1 19890104 (EN)

Application
EP 86890030 A 19860212

Priority
US 70200085 A 19850215

Abstract (en)
[origin: EP0191756A1] Bleaching of a mechanical pulp, such as chemimechanical pulp (CMP), chemithermomechanical pulp (CTMP), and the like, achieves high brightness. A lignocellulose mechanical pulp is subjected to two different peroxide (P) stages (12, 18), and a hydrosulfite (dithionite) (T) stage (20). A P-P-T sequence is preferred (although a P-T-P sequence also produces good results). Bleaching is typically accomplished in all stages at a consistency of between about 8-30%. Between the peroxide stages, the pulp is preferably pressed (19). Between a peroxide stage and a subsequent hydrosulfite stage the pulp is preferably pressed (19 min), and the pH reduced to between about 5.5-6.0 when diluting with SO₂ water (26). The P-P-T bleaching sequence results in pulp with unexpectedly high brightness, brightness levels of about 83% ISO, and greater, being possible.

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D21C 9/10

IPC 8 full level
D21C 9/10 (2006.01); **D21C 9/16** (2006.01)

CPC (source: EP)
D21C 9/1057 (2013.01)

Citation (examination)
EP 0187477 A1 19860716 - PULP PAPER RES INST [CA]

Cited by
US5562803A; US4878998A; EP1418269A1; US5464501A; BE1004630A3; US5534115A; US7163564B2; WO9207139A1; WO9929779A1; WO9011403A1

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