

Title (en)
Manufacture of paper

Title (de)
Papierherstellung

Title (fr)
Fabrication de papier

Publication
EP 1143068 A3 20040428 (EN)

Application
EP 01114439 A 19950601

Priority
• EP 95921013 A 19950601
• GB 9410965 A 19940601

Abstract (en)
[origin: EP1143068A2] Paper strengthened by starch, typically in amounts of 3 to 15% dry weight, is made by flocculating a cellulosic suspension using a polymeric retention aid which can be dissolved cationic starch but is preferably a synthetic polymer having IV above 4dl/g, shearing the resultant flocculated suspension and reflocculating it by adding bentonite or other microparticulate anionic material, draining the flocculated or reflocculated suspension and drying the resultant wet sheet, wherein insoluble particles of starch are added to the suspension as a slurry of substantially freely dispersed particles in part or all of the aqueous solution of the polymeric retention aid.

IPC 1-7
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IPC 8 full level
D21H 17/28 (2006.01); **D21H 17/37** (2006.01); **D21H 17/67** (2006.01); **D21H 21/10** (2006.01); **D21H 23/16** (2006.01)

CPC (source: EP)
D21H 17/28 (2013.01); **D21H 23/16** (2013.01)

Citation (search report)
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• [A] US 5126014 A 19920630 - CHUNG DANIEL K [CA]
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WO 9533096 A1 19951207; AT E212091 T1 20020215; AT E325925 T1 20060615; AU 2622795 A 19951221; AU 688911 B2 19980319; BR 9506248 A 19960423; CA 2167803 A1 19951207; CA 2167803 C 20051101; DE 69525018 D1 20020221; DE 69525018 T2 20020822; DE 69534985 D1 20060614; DE 69534985 T2 20061102; DK 0711370 T3 20020422; DK 1143068 T3 20060911; EP 0711370 A1 19960515; EP 0711370 B1 20020116; EP 1143068 A2 20011010; EP 1143068 A3 20040428; EP 1143068 B1 20060510; ES 2170149 T3 20020801; ES 2262578 T3 20061201; FI 120631 B 20091231; FI 960396 A0 19960129; FI 960396 A 19960325; GB 9410965 D0 19940720; IL 113973 A0 19951031; IL 113973 A 20000601; IN 190864 B 20030830; JP 3801629 B2 20060726; JP H09501208 A 19970204; KR 100385038 B1 20040806; MX 9600430 A 19980630; NO 321456 B1 20060515; NO 960416 D0 19960131; NO 960416 L 19960325; NZ 287496 A 19980527; PT 1143068 E 20060731; PT 711370 E 20020628; TW 275654 B 19960511; ZA 954520 B 19960603

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