

Title (en)

Extended kraft cooking with white liquor added to wash circulation.

Title (de)

Verlängertes Kraftkochen mit dem Waschkreislauf zugefügter Weisslange.

Title (fr)

Cuisson kraft complète avec lessive ajoutée à la circulation de lavage.

Publication

EP 0476230 A2 19920325 (EN)

Application

EP 91108241 A 19910522

Priority

US 58304390 A 19900917

Abstract (en)

In the continuous kraft pulping of comminuted cellulosic fibrous material (e.g. wood chips) to produce paper pulp, viscosity for a given Kappa Number is significantly increased (e.g. at least about 20%) by adding kraft white liquor to the wash recirculation loop (38-40) in a continuous digester (19). Optimum results are obtained when kraft white liquor is also added to a recirculation loop (28-30) at a central portion of the digester, so that the majority of the digester has countercurrent flow between white liquor and cellulosic material. About 5-20% of the total white liquor necessary to effect kraft cooking is introduced in the wash circulation, and about 10-20% is introduced into the central portion recirculation. The temperature in the wash zone is maintained at about 140-175 DEG C. <IMAGE>

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IPC 8 full level

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EP2034090A1; US5919337A; US5401361A; EP3018251A1; US6966970B2; BE1011503A3; US5593544A; US6132556A; US5766413A; US6113742A; US5470437A; US5591303A; AU680194B2; AU684759B2; US5575890A; US5824188A; AU2008203206B2; EP0937813A3; US5489363A; US5849150A; US6159337A; EP1126075A3; EP1308554A3; EP1308555A3; US5536366A; US5849151A; EP1878827A3; EP0557112A1; EP0822288A3; EP1538256A3; US6280568B1; US6179958B1; WO9425668A1; WO9409203A1; WO9920830A1; WO9513419A1; WO9606217A1; WO9607786A1; WO9729236A1; WO02075044A1; WO9411567A1; WO9411566A1; WO9411565A1; WO9411564A1; WO9424362A1

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