

Title (en)

Process and apparatus for the oxygen delignification of pulp.

Title (de)

Verfahren und Vorrichtung zur Delignifizierung von Pulpe mittels Sauerstoff.

Title (fr)

Procédé et appareil pour la délignification à l'oxygène de pâte.

Publication

EP 0047656 A1 19820317 (EN)

Application

EP 81304078 A 19810907

Priority

US 18451480 A 19800905

Abstract (en)

A medium consistency oxygen delignification process and apparatus, utilizing one or more substantially horizontal agitated tubular reaction zones (10). The use of rotary screws or paddles (24) in the reaction zone or zones provides the agitation required to enable good mixing of oxygen with the medium consistency pulp and alkaline chemicals as well as the control of the pulp retention time in each reaction zone (10). In one embodiment of the invention, pulp is transported from the cooking stage through line (54) to screens (56) where oversize slivers, shivers, knots and other impurities are removed. The accepted pulp passes through line (58) into pulp washer (50) while the rejected material is sent to refiner (52) for further fiberization before being recombined with the main pulp stream through line (60). This combined pulp stream is then washed and oxygen-delignified as described above to yield a bleachable grade pulp.

IPC 1-7

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