

Title (en)
PROCEDURE FOR THE BLEACHING OF PULP

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Application
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Abstract (en)
[origin: EP0395792A2] The invention concerns a procedure for the bleaching of pulp using oxygen as an oxidating bleaching chemical. The essential features of the invention are that oxygen is used in the first oxidation stage of the bleaching process, that the pulp is subjected to enzyme treatment, and that after oxygen bleaching and enzyme treatment, the pulp is washed. According to the invention, the subsequent oxidation stages can be implemented using bleaching chemicals containing chlorine, e.g. chlorine gas and/or chlorine dioxide. The use of enzymes allows partial burning of the washings and enables the amounts of toxic compounds in the spent bleach liquor to be reduced, simultaneously lowering its chemical oxygen demand.

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Citation (examination)
• EP 0383999 A2 19900829 - ENSO GUTZEIT OY [FI]
• WO 8908738 A1 19890921 - SUOMEN SOKERI OY [FI]

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US7541175B1; US5837515A; US5591304A; US5935836A; US5487812A; EP1039020A1; US5434071A; US5785811A; AU647891B2; US5871730A; GB2248075A; GB2248075B; US5231022A; US5314637A; US5318905A; US6942754B2; US7816129B2; US6824646B2; US9096519B2; US9586883B2; US6300114B1; US6506593B2; US6667170B1; EP0487557B1

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