

Title (en)  
Procedure for the bleaching of sulphate pulp.

Title (de)  
Verfahren zum Bleichen von Sulfatzellstoff.

Title (fr)  
Procédé de blanchiment de pâte au sulfate.

Publication  
**EP 0408803 A1 19910123 (EN)**

Application  
**EP 89117234 A 19890918**

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Abstract (en)  
The invention concerns a procedure for the bleaching of pulp, in which procedure an oxidating bleaching chemical containing chlorine is used. The essential feature of the invention is that the pulp is treated, either in conjunction with or before oxidation, with a lignin-modifying oxidation-reduction enzyme, such as the lactase produced by the white-rot fungus. The oxidating bleaching chemical used in the procedure may be chlorine dioxide or a mixture of chlorine dioxide and chlorine gas. The use of said enzyme reduces the amount of chlorophenols and other forms of organically bound chlorine in the spent bleach liquor, simultaneously lowering its chemical oxygen demand.

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**D21C 5/005** (2013.01); **D21C 9/1057** (2013.01)

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• [A] TAPPI, vol. 67, no. 10, October 1984, pages 31-33; R. FARRELL: "Biocatalysts hold promise of better pulp quality"

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