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(54) **Procedure for the bleaching of pulp.**

(57) 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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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	STFI/SPCI, THIRD INTERNATIONAL CONFERENCE BIO-TECHNOLOGY IN THE PULP & PAPER INDUSTRY, Stockholm, 16th - 19th June 1986, pages 67-69; L. VIIKARI et al.: "Bleaching with enzymes" * The whole document *	1,2,4-8, 10	D 21 C 9/10 D 21 C 9/147
A	ABSTRACTS BULLETIN OF THE INSTITUTE OF PAPER CHEMISTRY, vol. 59, no. 4, October 1988, page 431, abstract no. 4037, Appleton, US; A. KANTELINEN et al.: "Hemicellulases and their potential role in bleaching", & TAPPI INT. PULP BLEACHING CONF. (Orlando) PROCS.: 1-9 (June 5-9, 1988) * The whole abstract *	1,2,6,8	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
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The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		26 October 90	BERNARDO NORIEGA F.
<div>CATEGORY OF CITED DOCUMENTS</div> <div>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention</div> <div>E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</div>			