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⁽⁵⁴⁾ Bleaching wood pulp with enzymes.

© Wood pulp may be delignified enzymatically with very good results when treating it with a lignin peroxidase in the absence of a peroxide and when the enzyme is firstly chemically modified in such a way that it does not adsorb to the pulp.

EUROPEAN SEARCH REPORT

EP 90 81 0681

ategory	Citation of document with i of relevant pa	ndication, where appropriate, ssages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D,A	DE-A-3 636 208 (CALL, if the whole document *	1. P.) 	1-3,10	D21C3/00 D21C9/10 D21C5/00
D,A	JOURNAL OF BIOTECHNOLOGY. vol. 8, no. 2, 1988, AMSTERDAM NL pages 97 - 112; JANSHEKAR, H. ET AL.: 'Cultivation of Phanerochaete chrysosporium and production of lignin peroxidases in submerged stirred tank reactors.' * the whole document *		1,2,4,5	
A		y 1987, APPLETON US Oxidation of lignin model se-dependent enzyme from orium as compared with	1,2,7,10	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	WORLD PATENTS INDEX LATWeek 8744, Derwent Publications Lean 87-310987 & JP-A-62 220 190 (OJI 1987 * abstract *	td., London, GB;	1,3,9	D21C
	The present search report has t	-		Examiner
	Place of search THE HAGUE	Date of completion of the search 27 JULY 1992	BERN	ARDO NORIEGA F.
X : part Y : part doc A : tecl O : non	CATEGORY OF CITED DOCUME ticularly relevant if taken alone ticularly relevant if combined with an ument of the same category anological background rewritten disclosure translate document	E : earlier patent after the filin other D : document cite	ed in the application ed for other reasons	ished on, or