

Title (en)
FRACTIONATION OF HEMICELLULOSIC MATERIALS

Title (de)
FRAKTIONIERUNG VON HEMIZELLULOSE MATERIALIEN

Title (fr)
FRACTIONNEMENT DE MATERIAUX HEMICELLULOSIQUES

Publication
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Application
EP 98943418 A 19980827

Priority
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• US 9817728 W 19980827

Abstract (en)
[origin: WO9911672A1] Disclosed is a process that uses selective enzymes from microbial or plant sources to facilitate the extraction of hemicellulose. Selective removal of acetate using acetyl xylan esterase (E.C.3.1.1.6) under conditions that will not hydrolyse the feruoylate esters. This treatment renders the arabinoxylan ferulate soluble under mild aqueous conditions without the use of harsh alkalis. Arabinoxylan ferulate is extracted intact and subsequently the level of ferulic acid can be controlled to give the degree of crosslinking required by treatment of the soluble arabinoxylan ferulate with ferulic acid esterase.

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Citation (search report)
See references of WO 9911672A1

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