

Title (en)  
DELIGNIFYING PREPARATION EXHIBITING -g(a)-L-ARABINOFURANOSIDASE ACTIVITY, PRODUCTION AND APPLICATION THEREOF.

Title (de)  
-g(a)-L-ARABINOFURANOSIDASEAKTIVITÄT ENTHALTENES PRÄPARAT ZUM DELIGNIFIZIEREN, SEINE HERSTELLUNG UND VERWENDUNG.

Title (fr)  
PREPARATION DE DELIGNIFICATION PRESENTANT UNE ACTIVITE D'-g(a)-L-ARABINOFURANOSIDASE, SA PRODUCTION ET SON APPLICATION.

Publication  
**EP 0633932 A1 19950118 (EN)**

Application  
**EP 93908242 A 19930330**

Priority  
• SE 9300269 W 19930330  
• SE 9201006 A 19920331

Abstract (en)  
[origin: CA2132335A1] 2132335 9320192 PCTABScor01 A preparation exhibiting enzymatic activity comprising a substantial portion of .alpha.-L-arabinofuranosidase activity having the capability of delignifying wood pulp at a pH of 8 - 9 and a temperature of 65 °C, is disclosed. Said preparation is obtainable by aerobic fermentation of a Bacillus stearothermophilus strain selected from the deposited strain NCIMB 40494 and mutants and variants thereof. The deposited strain and mutants and variants thereof are comprised by the invention. A method of producing said preparation, a process comprising treatment of wood pulp with said preparation, and wood pulp that has been treated with said preparation, and also said preparation in association with a preparation exhibiting enzymatic activity produced by another microbial strain and having the capability of delignifying wood pulp at a temperature of at least 65 °C and a pH of at least 9, are disclosed. Use of an enzyme expressed by the deposited strain and .alpha.-L-arabinofuranosidase which comprises one or two specified partial sequences and homologues thereof, are also included.

IPC 1-7  
**C12N 9/24**; **C12N 1/22**; **D21C 9/10**

IPC 8 full level  
**C07H 21/00** (2006.01); **C12N 1/20** (2006.01); **C12N 1/22** (2006.01); **C12N 9/24** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/68** (2006.01); **C12S 3/08** (2006.01); **D21C 9/10** (2006.01); **C12R 1/07** (2006.01)

IPC 8 main group level  
**C12N** (2006.01)

CPC (source: KR SE)  
**C12N 1/22** (2013.01 - SE); **C12N 9/14** (2013.01 - KR); **C12N 9/24** (2013.01 - SE); **D21C 5/005** (2013.01 - SE); **D21C 9/1036** (2013.01 - SE)

Citation (search report)  
See references of WO 9320192A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
AU 3913093 A 19931108; BR 9306158 A 19980623; CA 2132335 A1 19931014; CZ 239494 A3 19950118; EP 0633932 A1 19950118; FI 944501 A0 19940928; FI 944501 A 19940928; HU 9402800 D0 19950130; HU T70460 A 19951030; JP H07508162 A 19950914; KR 950701381 A 19950323; NO 943612 D0 19940929; NO 943612 L 19941128; SE 501096 C2 19941114; SE 9201006 D0 19920331; SE 9201006 L 19931001; SK 118594 A3 19950711

DOCDB simple family (application)  
AU 3913093 A 19930303; BR 9306158 A 19930330; CA 2132335 A 19930330; CZ 239494 A 19930330; EP 93908242 A 19930330; FI 944501 A 19940928; HU 9402800 A 19930330; JP 51736993 A 19930330; KR 19940703394 A 19940929; NO 943612 A 19940929; SE 9201006 A 19920331; SK 118594 A 19930330