

Title (en)

METHOD FOR ENHANCING THE ACTIVITY OF AN ENZYME, COMPOUNDS SHOWING ENZYME ACTIVITY ENHANCEMENT, AND DETERGENTS CONTAINING SUCH COMPOUNDS

Title (de)

METHODE ZUR STEIGERUNG DER ENZYMAKTIVITÄT, VERBINDUNGEN WELCHE DIESE STEIGERUNG ZEIGEN, SOWIE DIESE ENTHALTENDE DETERGENZIEN

Title (fr)

PROCEDE POUR STIMULER L'ACTIVITE D'UNE ENZYME, COMPOSES PRESENTANT UNE STIMULATION DE L'ACTIVITE DE L'ENZYME, ET DETERGENTS CONTENANT DE TELS COMPOSES

Publication

EP 0843723 A1 19980527 (EN)

Application

EP 96927059 A 19960729

Priority

- EP 9603333 W 19960729
- GB 9516244 A 19950808
- GB 9525992 A 19951220

Abstract (en)

[origin: WO9706244A1] A method of enhancing the activity of an enzyme, comprises adding to the enzyme, as a mediator for enhancing the activity of the enzyme, a compound having formula (1) in which A is a (hetero)aromatic residue; X is an -N=S or an -N=O group; Y is an -SH or an -OH group; Z is a water-solubilising group; x is 1 or 2; y is 1, 2 or 3; and z is 0, 1, 2, 3 or 4. The enzyme of enhanced activity is useful, e.g., in the degradative bleaching of pulp for paper production; in the degradative bleaching of stains on textiles during washing; in the modification, breakdown or bleaching of lignin, especially during the production of paper pulp; in the degradation of organic material such as a dyestuff in waste water; and in the degradative bleaching of migrating dyes in a washing process, so that inhibition of transfer of such dyes during washing is effected.

IPC 1-7

C12N 9/00; **C12N 9/02**; **C12P 1/00**; **C07D 231/06**; **C07D 231/08**; **C11D 7/46**; **C11D 7/60**; **C11D 7/42**; **C11D 3/18**; **C11D 3/20**; **C11D 3/26**

IPC 8 full level

C12N 9/96 (2006.01); **C07D 231/46** (2006.01); **C07D 231/52** (2006.01); **C11D 3/26** (2006.01); **C11D 3/28** (2006.01); **C11D 3/386** (2006.01); **C11D 3/395** (2006.01); **C11D 7/32** (2006.01); **C11D 7/34** (2006.01); **C11D 7/46** (2006.01); **C11D 7/54** (2006.01); **C11D 7/60** (2006.01); **C12N 9/00** (2006.01); **D21C 5/00** (2006.01); **D21C 9/10** (2006.01)

CPC (source: EP)

C07D 231/52 (2013.01); **C11D 3/26** (2013.01); **C11D 3/28** (2013.01); **C11D 3/386** (2013.01); **C11D 3/38654** (2013.01); **C11D 7/32** (2013.01); **C11D 7/3245** (2013.01); **C11D 7/34** (2013.01); **C12N 9/00** (2013.01); **D21C 5/005** (2013.01); **D21C 9/1036** (2013.01)

Citation (search report)

See references of WO 9706244A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

WO 9706244 A1 19970220; AU 6702296 A 19970305; EP 0843723 A1 19980527; GB 2304107 A 19970312; GB 9616282 D0 19960911; JP H11508136 A 19990721

DOCDB simple family (application)

EP 9603333 W 19960729; AU 6702296 A 19960729; EP 96927059 A 19960729; GB 9616282 A 19960801; JP 50808597 A 19960729