Title (en)

ENZYMATIC BLEACHING SYSTEM CONTAINING NEW COMPOUNDS FOR INTENSIFYING ENZYMATIC ACTION

Title (de)

ENZYMATISCHES BLEICHSYSTEM MIT NEUEN ENZYMWIRKUNGSVERSTÄRKENDEN VERBINDUNGEN

Title (fr)

SYSTEME DE BLANCHIMENT AUX ENZYMES A NOUVEAUX COMPOSES RENFOR ANT L'ACTION ENZYMATIQUE

Publication

EP 0983334 A1 20000308 (DE)

Application

EP 98933507 A 19980511

Priority

- DE 9801313 W 19980511
- DE 19719898 A 19970512

Abstract (en)

[origin: WO9851772A1] The invention relates to an enzymatic bleaching system containing new compounds that intensify enzymatic action, to be used with detergent substances containing a) at least one oxidation catalyst, b) at least one oxidizing agent, c) at least one mediator from the amide group, for example hydrazide or 1, 2, 4-triazolidine-3, 5-dione (urazole), and/or from the imide group, for example hydantoins, and/or from the oxocarbon group. To intensify the reaction, at least one mediation booster can be added, chosen from the following groups: NO-, NOH-, HRN-OH-compounds, hydrazides, urazoles, hydantoins, oxo-carbons or cation-forming substances of phenothiazine type, of phenoxazine type, of (R=N-N=R) type (e.g. ABTS), aryl-substituted alcohols (non-phenols), e.g. veratryl alcohol, special cation radical-forming phenoic compounds, radical cations in accordance with "Wurster" and radical anions.

IPC 1-7

C11D 3/386; C11D 3/28; C11D 3/32; C11D 3/34; C11D 3/20; C11D 3/39

IPC 8 full level

C11D 3/28 (2006.01); **C11D 3/32** (2006.01); **C11D 3/34** (2006.01); **C11D 3/386** (2006.01); **C11D 3/39** (2006.01)

CPC (source: EP)

C11D 3/28 (2013.01); **C11D 3/323** (2013.01); **C11D 3/349** (2013.01); **C11D 3/38654** (2013.01); **C11D 3/392** (2013.01); C11D 3/3481 (2013.01)

Citation (search report)

See references of WO 9851772A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL

DOCDB simple family (publication)

WO 9851772 A1 19981119; AU 8331698 A 19981208; EP 0983334 A1 20000308

DOCDB simple family (application)

DE 9801313 W 19980511; AU 8331698 A 19980511; EP 98933507 A 19980511