

Title (en)
MULTICOMPONENT SYSTEM FOR MODIFYING, DECOMPOSING OR BLEACHING LIGNIN OR LIGNIN-CONTAINING MATERIALS, AND
PROCESS FOR USING THE SAME

Title (de)
MEHRKOMPONENTENSYSYSTEM ZUM VERÄNDERN, ABBAU ODER BLEICHEN VON LIGNIN ODER LIGNINHALTIGEN MATERIALIEN SOWIE
VERFAHREN ZU SEINER ANWENDUNG

Title (fr)
SYSTEME A COMPOSANTS MULTIPLES POUR MODIFIER, DECOMPOSER OU BLANCHIR LA LIGNINE OU DES MATERIAUX QUI
CONTIENNENT DE LA LIGNINE, ET SON PROCEDE D'UTILISATION

Publication
EP 0943032 B1 20000913 (DE)

Application
EP 97952038 A 19971205

Priority
• DE 19651099 A 19961209
• EP 9706802 W 19971205

Abstract (en)
[origin: WO9826127A1] A multicomponent system for modifying, decomposing or bleaching lignin, lignin-containing materials or similar substances contains (a) if required at least one oxidation catalyst, (b) at least one appropriate oxidising agent, and (c) at least one mediator characterised in that it is selected from the group composed of hydroxypyridine, aminopyridine, hydroxyquinoline, aminoquinoline, hydroxyisoquinoline, aminoisoquinoline, with nitroso or mercapto substituents at the ortho or para position with respect to the hydroxy or amino groups. Also disclosed are tautomers of said compounds, as well as their salts, ethers and esters.

IPC 1-7
D21C 9/10; **D21C 5/00**

IPC 8 full level
C08H 8/00 (2010.01); **D21C 5/00** (2006.01); **D21C 9/00** (2006.01); **D21C 9/10** (2006.01)

CPC (source: EP)
D21C 5/005 (2013.01); **D21C 9/1036** (2013.01)

Cited by
US8153804B2

Designated contracting state (EPC)
AT DE ES FI PT SE

DOCDB simple family (publication)
WO 9826127 A1 19980618; AT E196331 T1 20000915; AU 5560398 A 19980703; AU 719140 B2 20000504; BR 9714387 A 20000516; CA 2271937 A1 19980618; CN 1240008 A 19991229; DE 19651099 A1 19980610; DE 59702358 D1 20001019; EP 0943032 A1 19990922; EP 0943032 B1 20000913; ES 2150797 T3 20001201; JP 2000505844 A 20000516; PT 943032 E 20001229; RU 2154704 C1 20000820

DOCDB simple family (application)
EP 9706802 W 19971205; AT 97952038 T 19971205; AU 5560398 A 19971205; BR 9714387 A 19971205; CA 2271937 A 19971205; CN 97180387 A 19971205; DE 19651099 A 19961209; DE 59702358 T 19971205; EP 97952038 A 19971205; ES 97952038 T 19971205; JP 52618598 A 19971205; PT 97952038 T 19971205; RU 99114460 A 19971205