

Title (en)

REINFORCEMENT OF THE CLEANING EFFECTS OF DETERGENTS THROUGH THE USE OF CELLULASE

Title (de)

VERSTÄRKUNG DER REINIGUNGSLEISTUNG VON WASCHMITTELN DURCH DIE VERWENDUNG VON CELLULASE

Title (fr)

RENFORCEMENT DU POUVOIR NETTOYANT DES DETERGENTS PAR L'UTILISATION DE CELLULASE

Publication

EP 1036153 A1 20000920 (DE)

Application

EP 98962363 A 19981119

Priority

- DE 19752844 A 19971128
- EP 9807440 W 19981119

Abstract (en)

[origin: DE19752844A1] According to the invention, the cleaning effects of textiles detergents on polysaccharide stains which do not usually consist solely of starch can be improved essentially through the use of cellulase.

IPC 1-7

C11D 3/386

IPC 8 full level

C11D 3/386 (2006.01); **C11D 7/42** (2006.01)

CPC (source: EP KR)

C11D 3/386 (2013.01 - EP); **C11D 3/38618** (2013.01 - KR); **C11D 3/38645** (2013.01 - EP KR); **C11D 2111/12** (2024.01 - KR)

Designated contracting state (EPC)

AT BE DE DK ES FR GB IT NL

DOCDB simple family (publication)

DE 19752844 A1 19990602; EP 1036153 A1 20000920; JP 2001525450 A 20011211; KR 20010032577 A 20010425; WO 9928425 A1 19990610

DOCDB simple family (application)

DE 19752844 A 19971128; EP 9807440 W 19981119; EP 98962363 A 19981119; JP 2000523305 A 19981119; KR 20007005823 A 20000527