

Title (en)

PROCESS FOR PREPARING ENZYME- AND BLEACH-CONTAINING WASHING AND CLEANING AGENTS

Title (de)

VERFAHREN ZUR HERSTELLUNG ENZYM- UND BLEICHMITTELHALTIGER WASCH- UND REINIGUNGSMITTEL

Title (fr)

PROCEDE DE FABRICATION D'AGENTS DE LAVAGE ET DE NETTOYAGE

Publication

**EP 0937132 A2 19990825 (DE)**

Application

**EP 97952752 A 19971017**

Priority

- DE 19644591 A 19961026
- EP 9705751 W 19971017

Abstract (en)

[origin: WO9818899A2] The invention concerns a particularly simple and economical process for preparing particulate washing and/or cleaning agents, whereby both bleach and enzymes can be incorporated in these agents without the activity of these constituents decreasing by an unreasonable extent either during preparation or during subsequent storage. This object is essentially achieved in that a peroxygenated oxidizing agent component, optionally in the presence of inert solids, is granulated or compacted in a granulation mixer or compactor using water and liquid non-ionic surfactant as granulation liquid, and is then mixed with the particulate enzyme component and optionally further particulate constituents.

IPC 1-7

**C11D 11/00**; **C11D 3/386**; **C11D 3/39**

IPC 8 full level

**C11D 3/386** (2006.01); **C11D 3/39** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)

**C11D 3/38672** (2013.01); **C11D 3/3942** (2013.01); **C11D 3/3945** (2013.01); **C11D 11/0082** (2013.01)

Citation (search report)

See references of WO 9818899A2

Designated contracting state (EPC)

AT CH DE DK ES FR GB IT LI NL

DOCDB simple family (publication)

**WO 9818899 A2 19980507**; **WO 9818899 A3 19980723**; AT E276349 T1 20041015; DE 19644591 A1 19980430; DE 59711919 D1 20041021; EP 0937132 A2 19990825; EP 0937132 B1 20040915

DOCDB simple family (application)

**EP 9705751 W 19971017**; AT 97952752 T 19971017; DE 19644591 A 19961026; DE 59711919 T 19971017; EP 97952752 A 19971017