

Title (en)

DETERGENTS CONTAINING AMYLASE AND PERCARBOXYLIC ACID

Title (de)

AMYLASE UND PERCARBONSÄURE ENTHALTENDE WASCH- UND REINIGUNGSMITTEL

Title (fr)

DETERGENTS CONTENANT UNE AMYLASE ET UN ACIDE PERCARBOXYLIQUE

Publication

**EP 1084220 A1 20010321 (DE)**

Application

**EP 99926387 A 19990525**

Priority

- DE 19824707 A 19980603
- EP 9903567 W 19990525

Abstract (en)

[origin: DE19824707A1] The invention aims at improving the cleaning performance of detergents containing enzymes, especially in relation to starch-containing and dyed stains. This is substantially achieved in that the detergent contains alpha -amylase from *Bacillus amyloliquefaciens* and a percarboxylic acid and/or the alkaline salt thereof, in addition to other usual ingredients compatible with said constituents.

IPC 1-7

**C11D 3/386; C11D 3/39**

IPC 8 full level

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

CPC (source: EP)

**C11D 3/386** (2013.01); **C11D 3/3945** (2013.01)

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

**WO 9963037 A1 19991209**; DE 19824707 A1 19991209; EP 1084220 A1 20010321; HU P0102247 A2 20011028; JP 2002517552 A 20020618; PL 344481 A1 20011105

DOCDB simple family (application)

**EP 9903567 W 19990525**; DE 19824707 A 19980603; EP 99926387 A 19990525; HU P0102247 A 19990525; JP 2000552234 A 19990525; PL 34448199 A 19990525