

Title (en)

DETERGENT CONTAINING AMYLASE AND PERCARBONATE

Title (de)

AMYLASE UND PERCARBONAT ENTHALTENDE WASCH- UND REINIGUNGSMITTEL

Title (fr)

DETERGENTS CONTENANT UNE AMYLASE ET UN PERCARBONATE

Publication

**EP 1084219 A1 20010321 (DE)**

Application

**EP 99926384 A 19990525**

Priority

- DE 19824688 A 19980603
- EP 9903563 W 19990525

Abstract (en)

[origin: WO9963036A1] Detergent characterized in that it contains alpha -amylase from Bacillus amyloliquefaciens and an alkaline percarbonate, in addition to other usual ingredients compatible with said constituents.

IPC 1-7

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

IPC 8 full level

**C11D 3/04** (2006.01); **C11D 3/08** (2006.01); **C11D 3/10** (2006.01); **C11D 3/20** (2006.01); **C11D 3/386** (2006.01); **C11D 3/39** (2006.01)

CPC (source: EP)

**C11D 3/38609** (2013.01); **C11D 3/3942** (2013.01)

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

**WO 9963036 A1 19991209**; AT E340241 T1 20061015; DE 19824688 A1 19991209; DE 59913862 D1 20061102; EP 1084219 A1 20010321; EP 1084219 B1 20060920; ES 2272070 T3 20070416; HU P0102183 A2 20011028; JP 2002517551 A 20020618; PL 344482 A1 20011105

DOCDB simple family (application)

**EP 9903563 W 19990525**; AT 99926384 T 19990525; DE 19824688 A 19980603; DE 59913862 T 19990525; EP 99926384 A 19990525; ES 99926384 T 19990525; HU P0102183 A 19990525; JP 2000552233 A 19990525; PL 34448299 A 19990525