

Title (en)

GRANULAR DETERGENT COMPOSITIONS WITH LIPASE.

Title (de)

KÖRNIGE WASCHMITTELZUSAMMENSETZUNGEN MIT LIPASE.

Title (fr)

COMPOSITION DETERGIVE GRANULAIRE CONTENANT DE LA LIPASE.

Publication

**EP 0639222 A1 19950222 (EN)**

Application

**EP 93911031 A 19930504**

Priority

- US 9304192 W 19930504
- US 88039292 A 19920508

Abstract (en)

[origin: WO9323516A1] This relates to a granular detergent composition containing (a) from about 0,00025 to about 0.015 grams of active enzyme per 100 grams of composition, of certain lipases, (b) from about 0.5 to about 10 wt.% of alkyl alkoxy sulfate or polyhydroxy fatty acid amide, and (c) from about 2 to about 30 wt.% of additional anionic or nonionic surfactant, wherein (a)/(b) is between about 0.09 and about 0.28, for improved performance after the first wash cycle. A method for cleaning fabrics is also provided.

IPC 1-7

**C11D 3/386**; **C11D 1/37**; **C11D 1/65**; **C11D 1/83**; **C11D 1/835**

IPC 8 full level

**C11D 1/37** (2006.01); **C11D 1/65** (2006.01); **C11D 1/83** (2006.01); **C11D 1/835** (2006.01); **C11D 3/386** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/52** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)

**C11D 1/37** (2013.01); **C11D 1/652** (2013.01); **C11D 1/83** (2013.01); **C11D 1/835** (2013.01); **C11D 3/38627** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01); **C11D 1/525** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)

See references of WO 9323516A1

Designated contracting state (EPC)

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**WO 9323516 A1 19931125**; AU 4231493 A 19931213; CA 2134978 A1 19931125; CN 1080952 A 19940119; CZ 270494 A3 19950315; EP 0639222 A1 19950222; HU 9403201 D0 19950228; HU T70073 A 19950928; JP H07506618 A 19950720; MA 22891 A1 19931231; RU 94046042 A 19960927; SK 133194 A3 19950412; TW 243469 B 19950321

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