

Title (en)

DISHWASHER AGENT WITH ADDITIONAL USES

Title (de)

MASCHINENGESCHIRRSPÜLMITTEL MIT ZUSATZNUTZEN

Title (fr)

PRODUITS DE LAVAGE POUR LAVE-VAISSELLE A UTILITE SUPPLEMENTAIRE

Publication

**EP 1299517 B2 20100519 (DE)**

Application

**EP 01962788 A 20010627**

Priority

- DE 10032611 A 20000707
- EP 0107334 W 20010627

Abstract (en)

[origin: US2004106534A1] The invention relates to a cleaning agent for dishwashers comprising a first part (basic composition), which mainly acts during the main cleaning cycle of the dishwasher, and a second part, which mainly acts during the rinsing cycle of the dishwasher as a result of a suitable coating. The second part contains one or several substances from the following group: detergency builders, acidifying agents, chelate complex builders or coating inhibiting polymers.

IPC 8 full level

**C11D 17/00** (2006.01); **C11D 3/20** (2006.01); **C11D 3/22** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01)

CPC (source: EP US)

**C11D 3/2082** (2013.01 - EP US); **C11D 3/2086** (2013.01 - EP US); **C11D 3/222** (2013.01 - EP US); **C11D 3/37** (2013.01 - EP US); **C11D 3/3723** (2013.01 - EP US); **C11D 3/3907** (2013.01 - EP US); **C11D 17/0078** (2013.01 - EP US); **C11D 17/0091** (2013.01 - EP US)

Citation (opposition)

Opponent :

- EP 0851024 A2 19980701 - UNILEVER NV [NL], et al
- GB 2358405 A 20010725 - UNILEVER PLC [GB]
- US 5900395 A 19990504 - NICHOLSON JOHN RICHARD [US], et al
- EP 1111037 A1 20010627 - UNILEVER PLC [GB], et al
- WO 9927067 A1 19990603 - PROCTER & GAMBLE [US], et al
- US 6730646 B1 20040504 - WASCHENBACH GUIDO [US], et al
- US 6025314 A 20000215 - NITSCH CHRISTIAN [DE], et al

Cited by

US10392584B2; US9969959B2; US10501708B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**US 2004106534 A1 20040603**; AT E303432 T1 20050915; AU 8389401 A 20020121; DE 10032611 A1 20020124; DE 50107299 D1 20051006; EP 1299517 A1 20030409; EP 1299517 B1 20050831; EP 1299517 B2 20100519; ES 2248383 T3 20060316; ES 2248383 T5 20101025; WO 0204588 A1 20020117

DOCDB simple family (application)

**US 33233203 A 20030915**; AT 01962788 T 20010627; AU 8389401 A 20010627; DE 10032611 A 20000707; DE 50107299 T 20010627; EP 0107334 W 20010627; EP 01962788 A 20010627; ES 01962788 T 20010627