

Title (en)

Automatic dishwashing compositions comprising MGDA having low alkalinity

Title (de)

MGDA-haltige Maschinengeschirrspülmittel niederer Alkalität

Title (fr)

Composition de lavage automatique de la vaisselle à basse alcalinité contenant du MGDA

Publication

**EP 1113070 A3 20020102 (DE)**

Application

**EP 01105118 A 19970620**

Priority

- DE 19624839 A 19960621
- EP 97928266 A 19970620

Abstract (en)

[origin: EP1113070A2] A mechanical dishwasher rinsing agent contains, as complexing agent, methyl glycine diacetic acid (I) (or one of its salts), the rinsing agent has pH not more than 10.4 (preferably 6-10.4) as a 0.5% aqueous solution. Use of (I) (or its salt) is claimed as partial or complete substitute for builders or complexing agents in such rinsing agents in order to improve removal of milk and tea residues.

IPC 1-7

**C11D 7/32**; **C11D 7/54**; **C11D 3/33**; **C11D 3/39**

IPC 8 full level

**C11D 3/33** (2006.01); **C11D 3/39** (2006.01); **C11D 7/32** (2006.01); **C11D 7/54** (2006.01)

CPC (source: EP)

**C11D 3/33** (2013.01); **C11D 3/3947** (2013.01); **C11D 7/3245** (2013.01); **C11D 7/3281** (2013.01)

Citation (search report)

- [DA] DE 4319935 A1 19941222 - BASF AG [DE]
- [DA] DE 4036695 A1 19920521 - HENKEL KGAA [DE]
- [A] DE 4319798 A1 19941222 - HENKEL KGAA [DE]
- [A] US 5481018 A 19960102 - ATHEY PHILLIP S [US], et al
- [E] WO 9736975 A1 19971009 - PROCTER & GAMBLE [US], et al
- [DA] POTTHOFF-KARL B ET AL: "SYNTHESE ABBAUBARER KOMPLEXBILDNER UND IHRE ANWENDUNG IN WASCHMITTEL- UND REINIGERFORMULIERUNGEN", SOFW-JOURNAL SEIFEN, OELE, FETTE, WACHSE, vol. 122, no. 6, 1 May 1996 (1996-05-01), pages 392 - 394, 396/397, XP000587160
- [A] DATABASE WPI Section Ch Week 9321, Derwent World Patents Index; Class D25, AN 93-172794, XP002046506

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Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9749792 A1 19971231**; AT E205250 T1 20010915; AT E389709 T1 20080415; CA 2258218 A1 19971231; DE 59704543 D1 20011011; DE 59712930 D1 20080430; EP 0906407 A1 19990407; EP 0906407 B1 20010905; EP 1113070 A2 20010704; EP 1113070 A3 20020102; EP 1113070 B1 20080319; ES 2160355 T3 20011101; ES 2300287 T3 20080616

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**EP 9703256 W 19970620**; AT 01105118 T 19970620; AT 97928266 T 19970620; CA 2258218 A 19970620; DE 59704543 T 19970620; DE 59712930 T 19970620; EP 01105118 A 19970620; EP 97928266 A 19970620; ES 01105118 T 19970620; ES 97928266 T 19970620