

Title (en)

Detergent compositions comprising hydrotropes

Title (de)

Hydrotrope enthaltende Waschmittel

Title (fr)

Compositions detergentes comportant des hydrotropes

Publication

EP 1785479 A1 20070516 (EN)

Application

EP 06122348 A 20000808

Priority

- EP 00952615 A 20000808
- US 14805699 P 19990810
- US 15023399 P 19990823
- US 15633999 P 19990927
- US 15634099 P 19990927
- US 18812300 P 20000309

Abstract (en)

The present invention relates to granular laundry detergent compositions that comprise improved hydrotropes, wherein the hydrotropes are organic molecules in which two polar groups are separated from each other by at least 5 aliphatic carbon atoms.

IPC 8 full level

C11D 3/20 (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 3/42** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP)

C11D 3/2044 (2013.01); **C11D 3/2051** (2013.01); **C11D 3/3707** (2013.01); **C11D 17/0004** (2013.01); **C11D 17/0086** (2013.01); **C11D 17/06** (2013.01)

Citation (search report)

- [X] WO 9936494 A1 19990722 - PROCTER & GAMBLE [US], et al
- [X] US 4206069 A 19800603 - BORRELLO GIUSEPPE [IT]
- [X] US 3331780 A 19670718 - KRUSIUS EWALD H
- [A] WO 9853035 A1 19981126 - PROCTER & GAMBLE [US], et al
- [A] WO 9633800 A1 19961031 - WITCO CORP [US]
- [A] US 4873012 A 19891010 - BROZE GUY [BE], et al
- [A] WO 9700938 A1 19970109 - PROCTER & GAMBLE [US], et al
- [PX] EP 0999264 A1 20000510 - KAO CORP [JP]
- [PX] EP 0971029 A1 20000112 - PROCTER & GAMBLE [US]
- [A] DATABASE WPI Section Ch Week 198803, Derwent World Patents Index; Class A97, AN 1988-281526, XP002187181

Cited by

US8664169B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0110993 A1 20010215; AT E401386 T1 20080815; AU 6528000 A 20010305; BR 0013080 A 20020423; CA 2380328 A1 20010215; CA 2380328 C 20091006; CN 100422299 C 20081001; CN 1370220 A 20020918; DE 60039518 D1 20080828; EP 1203066 A1 20020508; EP 1203066 B1 20080716; EP 1754775 A2 20070221; EP 1754775 A3 20070328; EP 1785479 A1 20070516; ES 2308988 T3 20081216; JP 2003506560 A 20030218; MX PA02001523 A 20020702

DOCDB simple family (application)

US 0021570 W 20000808; AT 00952615 T 20000808; AU 6528000 A 20000808; BR 0013080 A 20000808; CA 2380328 A 20000808; CN 00811635 A 20000808; DE 60039518 T 20000808; EP 00952615 A 20000808; EP 06122348 A 20000808; EP 06122354 A 20000808; ES 00952615 T 20000808; JP 2001515782 A 20000808; MX PA02001523 A 20000808