

Title (en)  
DETERGENT COMPOSITIONS

Title (de)  
WASCHMITTEL

Title (fr)  
COMPOSITIONS DÉTERGENTES

Publication  
**EP 1583814 A1 20051012 (EN)**

Application  
**EP 03789338 A 20031218**

Priority  
• EP 0314521 W 20031218  
• GB 0301020 A 20030116

Abstract (en)  
[origin: WO2004063316A1] Incorporation in a laundry detergent composition of a graft polymer having a locust bean gum backbone and grafts of an aromatic sulphonic acid improves antiredeposition properties. The preferred polymer is locust bean gum - graft - poly(4-styrenesulphonic acid).

IPC 1-7  
**C11D 3/37**

IPC 8 full level  
**C11D 3/00** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)  
**C11D 3/0036** (2013.01); **C11D 3/3788** (2013.01)

Citation (search report)  
See references of WO 2004063316A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004063316 A1 20040729**; AR 043333 A1 20050727; AT E366791 T1 20070815; AU 2003293934 A1 20040810; BR 0317955 A 20051129; BR 0317955 B1 20130924; CL 2004000057 A1 20050218; DE 60314910 D1 20070823; DE 60314910 T2 20071108; EP 1583814 A1 20051012; EP 1583814 B1 20070711; ES 2289350 T3 20080201; GB 0301020 D0 20030219

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**EP 0314521 W 20031218**; AR P040100098 A 20040115; AT 03789338 T 20031218; AU 2003293934 A 20031218; BR 0317955 A 20031218; CL 2004000057 A 20040116; DE 60314910 T 20031218; EP 03789338 A 20031218; ES 03789338 T 20031218; GB 0301020 A 20030116