

Title (en)  
DETERGENT POWDERS AND PROCESS FOR PREPARING THEM

Publication  
**EP 0337523 B1 19930609 (EN)**

Application  
**EP 89200587 A 19890309**

Priority  
GB 8806702 A 19880321

Abstract (en)  
[origin: EP0337523A1] Dispensing of certain spray-dried detergent powders in automatic washing machines is substantially improved by the incorporation of 0.1-6.0% by weight of a hydrophobic additive having a contact angle to water of at least 75 DEG and a melting point of 30-100 DEG C. The additive may be included in the slurry from which the powder is prepared, or sprayed, preferably dispersed in nonionic surfactant, onto the powder. The preferred additive is paraffin wax.

IPC 1-7  
**C11D 3/18**; **C11D 11/02**

IPC 8 full level  
**C11D 3/18** (2006.01); **C11D 11/02** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)  
**C11D 3/18** (2013.01); **C11D 11/02** (2013.01); **C11D 17/065** (2013.01)

Cited by  
EP0634478A1; US5776874A; EP0706559A4; EP0492679A1; EP0679177A4; AU699818B2; EP0679178A4; EP0772670A4; US6113275A; WO2013128328A2; US7279453B2; US6340662B1; WO9501418A1; WO9522596A1; WO2013093877A2; WO2014097053A1

Designated contracting state (EPC)  
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0337523 A1 19891018**; **EP 0337523 B1 19930609**; **EP 0337523 B2 20020529**; AU 3149889 A 19890921; AU 620381 B2 19920220; CA 1317188 C 19930504; DE 68906949 D1 19930715; DE 68906949 T2 19930916; DE 68906949 T3 20020905; ES 2042963 T3 19931216; ES 2042963 T5 20021216; GB 8806702 D0 19880420; TR 26791 A 19940808; ZA 892134 B 19901128

DOCDB simple family (application)  
**EP 89200587 A 19890309**; AU 3149889 A 19890320; CA 593788 A 19890315; DE 68906949 T 19890309; ES 89200587 T 19890309; GB 8806702 A 19880321; TR 24289 A 19890321; ZA 892134 A 19890321