

Title (en)

Process for decreasing the build up of inorganic incrustations on textiles and detergent composition used in such a process

Title (de)

Verfahren zur Verringerung der Ausbildung von Inkrustationen auf Textilien und Waschmittel für das Verfahren

Title (fr)

Méthode pour réduire la formation de dépôt d'incrustations inorganiques sur les textiles et composition détergente utilisée dans ce procédé

Publication

EP 0703292 A1 19960327 (EN)

Application

EP 95306663 A 19950921

Priority

GB 9419091 A 19940922

Abstract (en)

A process for decreasing the build-up of inorganic incrustations on textiles deriving from water hardness and due to repeated washing cycles with detergent compositions comprises the addition to the washing batch of a carbohydrate or carbohydrate derivative having a DE of 0.5 to 20 inclusive as co-builder.

IPC 1-7

C11D 3/22; C11D 7/44; C11D 11/00

IPC 8 full level

C11D 3/22 (2006.01); C11D 7/44 (2006.01)

CPC (source: EP)

C11D 3/222 (2013.01); C11D 7/44 (2013.01)

Citation (search report)

- [DPX] EP 0618286 A1 19941005 - AUSIMONT SPA [IT], et al
- [A] EP 0472042 A1 19920226 - FERRUZZI RICERCA & TEC [IT]
- [A] US 3022343 A 19620220 - REINHOLD BEHNKE
- [A] DATABASE WPI Section Ch Week 2677, Derwent World Patents Index; Class A97, AN 77-45788Y

Cited by

US6951838B1; DE10112136A1; US7091168B2; US6616705B2; US7049279B1; DE102014226010A1; WO9720905A1; WO9720904A1; US6936581B2; DE102008053883A1; US7199096B1; US6841614B1; WO2004053042A1; DE102008053884A1; US7897556B2; US7910647B2; US7601679B2; US7417019B2; US6756351B2; US6610752B1; US6620209B2; US6528474B1; US6329335B1; US6225276B1; US6407052B2; US7557145B2; US6881359B2; US11155771B2; US7601678B2; US7098178B2; US6977239B1; US6897193B2; US7087570B2; US7807616B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0703292 A1 19960327; EP 0703292 B1 20010418; AT E200692 T1 20010515; CA 2158714 A1 19960323; DE 69520720 D1 20010523; DE 69520720 T2 20010802; ES 2155500 T3 20010516; FI 113664 B 20040531; FI 954506 A0 19950922; FI 954506 A 19960323; GB 9419091 D0 19941109; JP H08176593 A 19960709; MX 9504068 A 19970228

DOCDB simple family (application)

EP 95306663 A 19950921; AT 95306663 T 19950921; CA 2158714 A 19950920; DE 69520720 T 19950921; ES 95306663 T 19950921; FI 954506 A 19950922; GB 9419091 A 19940922; JP 24343395 A 19950921; MX 9504068 A 19950922