

Title (en)
Softening detergent compositions containing cellulase.

Title (de)
Cellulase enthaltende, weichmachende Reinigungsmittel.

Title (fr)
Compositions détergentes adoucissantes contenant de la cellulase.

Publication
EP 0269168 B1 19950517 (EN)

Application
EP 87202189 A 19871111

Priority
GB 8627914 A 19861121

Abstract (en)
[origin: EP0269168A2] The compositions disclosed herein clean well and at the same time act as textile softeners. They contain a cellulase enzyme and are formulated at a mild alkaline pH range.

IPC 1-7
C11D 3/386

IPC 8 full level
C11D 3/386 (2006.01); **D06M 13/02** (2006.01); **D06M 13/244** (2006.01); **D06M 13/248** (2006.01); **D06M 13/256** (2006.01); **D06M 13/262** (2006.01); **D06M 13/322** (2006.01)

CPC (source: EP KR)
C11D 3/38 (2013.01 - KR); **C11D 3/38645** (2013.01 - EP)

Citation (examination)
205785f, Columbus, Ohio, US;& JP-A-59 221 396 (LION CORP.) 12-12-1984

Cited by
US5668073A; US5120463A; CN103897840A; US5904736A; US5721205A; EP0495258A1; US5668009A; US5445747A; US5443750A; US5599786A; US5616553A; US5476608A; US6187740B1; WO9902637A1; WO9316158A1; WO9634080A1

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DOCDB simple family (publication)
EP 0269168 A2 19880601; **EP 0269168 A3 19890531**; **EP 0269168 B1 19950517**; AT E122713 T1 19950615; AU 595401 B2 19900329; AU 8143387 A 19880526; CN 87107306 A 19880601; DE 3751304 D1 19950622; DE 3751304 T2 19951109; DK 611487 A 19880522; DK 611487 D0 19871120; EG 18380 A 19930730; FI 875137 A0 19871120; FI 875137 A 19880522; FI 91276 B 19940228; FI 91276 C 19940610; GB 8627914 D0 19861231; JP S63199297 A 19880817; KR 880006354 A 19880722; PH 25615 A 19910808; TR 24080 A 19910304

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EP 87202189 A 19871111; AT 87202189 T 19871111; AU 8143387 A 19871120; CN 87107306 A 19871121; DE 3751304 T 19871111; DK 611487 A 19871120; EG 67287 A 19871119; FI 875137 A 19871120; GB 8627914 A 19861121; JP 29500287 A 19871121; KR 870013126 A 19871121; PH 36097 A 19871120; TR 81487 A 19871120