

Title (en)
PROTEIN STAIN-REMOVING COMPOSITIONS

Publication
EP 0233721 A3 19880831 (EN)

Application
EP 87300845 A 19870130

Priority
• US 82877386 A 19860212
• US 88522486 A 19860714

Abstract (en)
[origin: EP0233721A2] Proteinaceous stains are removed more effectively from fabrics by treatment with protease in the presence of a reagent which cleaves disulfide bonds. A detergent is preferably also used.

IPC 1-7
C11D 3/386

IPC 8 full level
C11D 3/386 (2006.01)

CPC (source: EP)
C11D 3/386 (2013.01)

Citation (search report)
• [X] US 3741901 A 19730626 - ZIFFER J
• [X] US 4421664 A 19831220 - ANDERSON CHARLES R [US], et al
• [X] DE 1948653 A1 19710401 - HENKEL & CIE GMBH

Cited by
US5258304A; US5356803A; EP0425018A3; US5238843A; EP2219687B1

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

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EP 0233721 A2 19870826; EP 0233721 A3 19880831; AU 6870187 A 19870813; DK 71087 A 19870813; DK 71087 D0 19870212

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EP 87300845 A 19870130; AU 6870187 A 19870211; DK 71087 A 19870212