

Title (en)

Sizing agent for staple fiber yarns and filament yarns.

Title (de)

Schlichtemittel für Stapelfaser- und Filamentgarne.

Title (fr)

Agent d'encollage pour des fils de fibres discontinues et de filaments continus.

Publication

**EP 0476371 A1 19920325 (DE)**

Application

**EP 91114381 A 19910827**

Priority

DE 4029348 A 19900915

Abstract (en)

The use of water-soluble or water-dispersible proteins grafted with monoethylenically unsaturated monomers as sizing agents for staple fibre yarns and filament yarns.

Abstract (de)

Verwendung von wasserlöslichen oder in Wasser dispergierbaren mit monoethylenisch ungesättigten Monomeren gepfropften Proteinen als Schlichtemittel für Stapelfaser- und Filamentgarne.

IPC 1-7

**D06M 15/15**

IPC 8 full level

**D06M 13/02** (2006.01); **D06M 13/184** (2006.01); **D06M 13/203** (2006.01); **D06M 13/224** (2006.01); **D06M 13/322** (2006.01); **D06M 13/402** (2006.01); **D06M 13/41** (2006.01); **D06M 15/15** (2006.01); **D06M 15/263** (2006.01)

CPC (source: EP)

**D06M 15/15** (2013.01)

Citation (search report)

- [A] US 3578492 A 19710511 - BOLINGER EDGAR D
- [AD] DE 1594905 A1 19690828 - BASF AG
- [AD] US 3651210 A 19720321 - SHEPLER TERRY H, et al
- [AD] US 4812550 A 19890314 - ERICKSON DAVID E [US], et al
- [A] DERWENT ACCESSION NO. 89-212 301, Questel Tele- systems (WPIL) DERWENT PUBLICATION LTD., London
- [A] DERWENT ACCESSION NO. 89-059 420, Questel Tele- systems (WPIL) DERWENT PUBLICATIONS LTD., London

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AT BE CH DE DK ES FR GB IT LI NL

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 91114381 A 19910827**; AT 91114381 T 19910827; CA 2050032 A 19910827; DE 4029348 A 19900915; DE 59101437 T 19910827; ES 91114381 T 19910827; FI 914139 A 19910903; JP 22771191 A 19910909; PT 9896291 A 19910913