

Title (en)  
Biodegradable fibers treating agent.

Title (de)  
Biologisch abbaubare Faserpräparationsmittel.

Title (fr)  
Agent de traitement de fibres biodégradables.

Publication  
**EP 0538714 A1 19930428 (DE)**

Application  
**EP 92117479 A 19921013**

Priority  
DE 4134610 A 19911019

Abstract (en)  
[origin: CA2080741A1] HOE 91/F 328 of the disclosure: Biodegradable spin finishes The invention relates to spin finishes which contain compounds of the formula  $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_x\text{-RO}-(\text{CH}_2\text{CH}_2\text{O})_y\text{H}$  I in which R is an alkylene radical which is mono- or polysubstituted by alkyl, has 2 to 4 carbon atoms in the alkylene chain and contains methyl, ethyl, propyl or isopropyl as the alkyl substituent, and the sum of x and y is 10 to 20, x and y being different from zero, and to a process for the spin finishing of fibers.

Abstract (de)  
Die Erfindung betrifft Faserpräparationsmittel, gekennzeichnet durch einen Gehalt an Verbindungen der allgemeinen Formel  $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_x\text{-RO}-(\text{CH}_2\text{CH}_2\text{O})_y\text{H}$  I worin R für einen einfach oder mehrfach alkylsubstituierten Alkylrest mit 2 bis 4 Kohlenstoffatomen in der Alkylkette und mit Methyl, Ethyl, Propyl oder Isopropyl als Alkylsubstituent steht und die Summe von x und y 10 bis 20 beträgt, wobei x und y verschieden von Null sind sowie ein Verfahren zum Präparieren von Fasern.

IPC 1-7  
**D06M 13/17**

IPC 8 full level  
**D06M 13/02** (2006.01); **D01F 11/04** (2006.01); **D06M 13/165** (2006.01); **D06M 13/17** (2006.01); **D06M 13/224** (2006.01); **D06M 13/244** (2006.01); **D06M 13/282** (2006.01); **D06M 13/292** (2006.01); **D06M 15/53** (2006.01)

CPC (source: EP KR US)  
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Citation (search report)  
• [A] EP 0189804 A2 19860806 - BASF CORP [US]  
• [A] US 4256589 A 19810317 - CARVER BOBBY C, et al  
• [A] GB 2109403 A 19830602 - SHELL INT RESEARCH  
• [A] DE 3936975 C1 19910124  
• [A] GB 2017100 A 19791003 - HOECHST AG

Cited by  
US5434237A; WO0186055A1

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**EP 0538714 A1 19930428; EP 0538714 B1 19970312; EP 0538714 B2 19990901**; AR 247432 A1 19941229; AT E150108 T1 19970315; BR 9204029 A 19940322; CA 2080741 A1 19930420; DE 59208170 D1 19970417; ES 2100997 T3 19970701; ES 2100997 T5 19991201; JP 3258724 B2 20020218; JP H05279924 A 19931026; KR 930008233 A 19930521; MX 9205982 A 19930401; TR 26747 A 19950515; US 5266221 A 19931130

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