

Title (en)

Pile-stabilizing textile impregnating, process for preparing it and textile treated with this composition.

Title (de)

Polstabilisierendes Textilimprägniermittel, Verfahren zu dessen Herstellung sowie damit ausgerüstete textile Materialien.

Title (fr)

Imprégnant destiné à stabiliser le poil d'un textile; procédé de préparation et textile traité avec ladite composition.

Publication

**EP 0036475 A1 19810930 (DE)**

Application

**EP 81100613 A 19810128**

Priority

DE 3004824 A 19800209

Abstract (en)

[origin: US4351736A] A textile pile-stabilizing impregnating agent comprising a colloidal suspension of silicic acid having SiO<sub>2</sub> units and organosilsesquioxanes having units of the formula RSiO<sub>3/2</sub> wherein R is an alkyl or aryl radical with up to 7 carbon atoms. It is produced by adding a silane of the formula RSi(OR')<sub>3</sub>, together with a silane of the formula Si(OR')<sub>4</sub>, wherein R is an alkyl or aryl radical with up to 7 carbon atoms, and R' is a hydrogen atom or an alkyl radical with 1 to 4 carbon atoms, to a mixture of water and a surface-active agent containing a buffer, the amount of silanes added being about 5 to 22% of the total weight of the addition plus mixture.

Abstract (de)

Die vorliegende Erfindung betrifft ein polstabilisierendes Textilimprägniermittel, welches eine kolloidale Suspension von Organosilsesquioxanen aus Einheiten der Formel RSiO<sub>3/2</sub> und von Kieselsäure mit SiO<sub>2</sub>-Einheiten enthält. Die Erfindung betrifft ferner die Herstellung solcher kolloidalen Suspensionen sowie deren Verwendung und textile Materialien, die damit ausgerüstet sind.

IPC 1-7

**D06M 15/66**; C09D 3/82; C08G 77/06

IPC 8 full level

**D06M 11/00** (2006.01); **C08G 77/06** (2006.01); **D06M 11/05** (2006.01); **D06M 11/76** (2006.01); **D06M 11/79** (2006.01); **D06M 11/82** (2006.01); **D06M 13/02** (2006.01); **D06M 13/256** (2006.01); **D06M 13/463** (2006.01); **D06M 13/51** (2006.01); **D06M 13/513** (2006.01); **D06M 15/643** (2006.01)

CPC (source: EP US)

**D06M 15/643** (2013.01 - EP US); **Y10T 428/23986** (2015.04 - EP US); **Y10T 428/2962** (2015.01 - EP US)

Citation (search report)

- GB 2010878 A 19790704 - DOW CORNING
- GB 975302 A 19641111 - STAUFFER CHEMICAL CO
- US 3077460 A 19630212 - FRED FORTESS, et al
- FR 1379313 A 19641120 - MONSANTO CO
- GB 1135757 A 19681204 - DOW CORNING
- FR 1578772 A 19690822
- CHEMICAL ABSTRACTS, Band 89, no. 112730g, page 191, Columbus, Ohio, US & JP - A - 53025655 (ASAHI CHEMICAL INDUSTRY CO LTD) (09-03-1978)

Cited by

EP0156102A3; EP0049832A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)

**EP 0036475 A1 19810930**; **EP 0036475 B1 19830504**; AT E3217 T1 19830515; CA 1153511 A 19830913; DE 3004824 A1 19810820; DE 3160212 D1 19830609; DK 52881 A 19810810; JP S56123480 A 19810928; JP S646313 B2 19890202; NO 156094 B 19870413; NO 156094 C 19870722; NO 810295 L 19810810; US 4351736 A 19820928

DOCDB simple family (application)

**EP 81100613 A 19810128**; AT 81100613 T 19810128; CA 370255 A 19810206; DE 3004824 A 19800209; DE 3160212 T 19810128; DK 52881 A 19810206; JP 1632981 A 19810207; NO 810295 A 19810128; US 22744481 A 19810122