



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 076 129 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**28.03.2001 Bulletin 2001/13**

(51) Int. Cl.<sup>7</sup>: **D06M 15/643**  
// D06M101:12

(43) Date of publication A2:  
**14.02.2001 Bulletin 2001/07**

(21) Application number: **00305614.0**

(22) Date of filing: **03.07.2000**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(30) Priority: **09.08.1999 JP 22483599**

(71) Applicant:  
**Dow Corning Toray Silicone Co., Ltd.  
Tokyo (JP)**

(72) Inventors:  
• **Ishikawa, Hiroki**  
**Ichihara-shi, Chiba Prefecture (JP)**  
• **Naganawa, Tsutomu**  
**Ichihara-shi, Chiba Prefecture (JP)**  
• **Ona, Isao**  
**Ichihara-shi, Chiba Prefecture (JP)**

(74) Representative: **Kyle, Diana**  
**Elkington and Fife**  
**Prospect House**  
**8 Pembroke Road**  
**Sevenoaks, Kent TN13 1XR (GB)**

(54) **Wool treatment agent**

(57) A wool treatment agent is disclosed herein which is characterized by the fact that said agent is an aqueous emulsion composition consisting of (A) an amino-group containing organopolysiloxane, (B) a nonionic emulsifying agent with an HLB of less than 15, (C) a nonionic emulsifying agent with an HLB of 15 or greater, and (D) water. The present invention introduces a wool treatment agent that shows superior stability against ionic substances, and is useful as an anti-shrinkage finishing agent.

**EP 1 076 129 A3**



European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number  
EP 00 30 5614

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 258 451 A (OHSAWA YOSHIHIKO ET AL) 2 November 1993 (1993-11-02) * column 5, line 23 - line 42; example 3 * ---	1,2,5-8	D06M15/643 //D06M101:12
A	DATABASE WPI Section Ch, Week 199819 Derwent Publications Ltd., London, GB; Class A97, AN 1998-213130 XP002158496 & JP 10 060480 A (KAO CORP), 3 March 1998 (1998-03-03) * abstract * ---	1-8	
A	EP 0 200 916 A (DOW CORNING) 12 November 1986 (1986-11-12) * page 8, line 1 - page 10, line 19 * -----	1,3-7	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			D06M
Place of search	Date of completion of the search	Examiner	
THE HAGUE	25 January 2001	Bernardo Noriega, F	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

EPC FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 30 5614

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

25-01-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5258451 A	02-11-1993	JP 1961406 C	25-08-1995
		JP 4279667 A	05-10-1992
		JP 6086575 B	02-11-1994
JP 10060480 A	03-03-1998	JP 2863137 B	03-03-1999
EP 0200916 A	12-11-1986	AU 581071 B	09-02-1989
		AU 5552086 A	22-01-1987
		BR 8601445 A	09-12-1986
		CA 1260795 A	26-09-1989
		DE 3677044 D	28-02-1991
		JP 1936153 C	26-05-1995
		JP 6059400 B	10-08-1994
		JP 61230733 A	15-10-1986
		KR 9305865 B	25-06-1993
		US 4788001 A	29-11-1988