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(54) Title: COVALENT CONJUGATES OF COTTON AND SUBSTITUTES (VISCOSE, MODAL COTTON) WITH BIOACTIVE SUBSTANCES HAVING ANTISEPTIC, SANITIZING, ACARICIDAL AND INSECT REPELLENT ACTIVITY, AND A METHOD FOR OBTAINING THEM

(57) Abstract: The present invention concerns covalent conjugates of cotton and substitutes (viscose, modal cotton) with bioactive substances having antiseptic, sanitizing, acaricidal and insect repellent activity, as well as a new process for obtaining aforesaid conjugates in common equipment of the textile industry, without compromising the marketable and organoleptic properties of the cotton and its substitutes treated in this manner. The conjugates obtained by the new process are characterized by a high stability, while maintaining in the long term the antiseptic, sanitizing, acaricidal and/or insect repellent activity imparted by the procedure described herein.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2003/056297 A1 (SUN GANG [US]) 27 March 2003 (2003-03-27)	19-28
A	examples claims; figures	1-18
X	US 6 077 319 A (SUN GANG [US] ET AL) 20 June 2000 (2000-06-20)	19-28
X	WO 01/97617 A (UNIV CALIFORNIA [US]; SUN GANG [US]; XU XIANGJING [US]; CLIVER DEAN [U]) 27 December 2001 (2001-12-27)	19-28
A	EP 1 424 087 A (ETHICON INC [US]) 2 June 2004 (2004-06-02)	1-28
	paragraphs [0008] - [0028] examples	
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☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004/166144 A1 (BESEMER ARIE [NL] ET AL) 26 August 2004 (2004-08-26) paragraph [0007]; examples -----	1-28

INTERNATIONAL SEARCH REPORT

Information on patent family members

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