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(54) **Printing process on raw textile materials, and textile products thus obtained**

(57) In a printing process that can be used on a raw textile substrate in natural and/or artificial cellulose fibers, alone or in combination with raw and/or dyed yarns of different composition, a printing paste is directly applied on the substrate, through a printing matrix carrying the pattern to be reproduced, the printing paste comprising a highly concentrated oxidative agent in a highly alkaline

environment, together with stabilizing agents and complexing agents suitable for making the action of the oxidative agent gradual and for preventing catalytic reactions being triggered that could lead to the fibers being damaged.

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EUROPEAN SEARCH REPORT

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EP 05 10 3211

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JP 52 148288 A (SANYO KOKUSAKU PULP CO) 9 December 1977 (1977-12-09) * abstract *	1	INV. D06Q1/02 D06L3/02 D06P5/00 D06P5/15
A	US 4 247 295 A (PATXOT ET AL) 27 January 1981 (1981-01-27) * claim 1 *	1	
A	GB 793 733 A (FOOD MACHINERY AND CHEMICAL CORPORATION) 23 April 1958 (1958-04-23) * claims 1-6 * * page 3, line 81 - line 121 *	1	
A	JP 54 088376 A (TAKENI SENKA KK) 13 July 1979 (1979-07-13) * abstract *	1	
A	EP 0 449 797 A (MONSANTO EUROPE S.A) 2 October 1991 (1991-10-02) * claims 1-4 * * page 2, line 26 - line 28 * * page 2, line 42 - line 50 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			D06P D06L D06Q
Place of search		Date of completion of the search	Examiner
The Hague		23 May 2006	Depijper, R
CATEGORY OF CITED DOCUMENTS 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 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			

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

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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
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23-05-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 52148288	A	09-12-1977	JP 1113234 C	16-09-1982
			JP 57005906 B	02-02-1982

US 4247295	A	27-01-1981	DE 2920201 A1	20-11-1980
			ES 480522 A1	16-01-1980
			FR 2456807 A1	12-12-1980
			JP 55152883 A	28-11-1980

GB 793733	A	23-04-1958	BE 545003 A	
			FR 1146749 A	14-11-1957

JP 54088376	A	13-07-1979	NONE	

EP 0449797	A	02-10-1991	CA 2039448 A1	01-10-1991
			FI 911509 A	01-10-1991
			NO 911223 A	01-10-1991
