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(71) Applicant (for all designated States except US): **DOW GLOBAL TECHNOLOGIES INC.** [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VERDU, Pablo** [ES/ES]; CI/Joan Rebull B;42, E-43850 Cambrils (ES). **LORA LAMIA, Alberto** [IT/IT]; Fr. Cereje 33, I-13835 Trivero (IT). **SNYDER, William, E.** [US/US]; 1207 Remington Court, Angleton, TX 77515 (US).

(74) Agent: **HOPPE, James, T.**; The Dow Chemical Co., 2030 Dow Center, Midland, MI 48674 (US).

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(54) Title: FLAME AND HEAT RESISTANT STRETCH FABRICS WITH IMPROVED CHEMICAL RESISTANCE AND DURABILITY

(57) Abstract: The present invention relates to flame and heat resistant stretch fabrics with improved durability. The stretch fabrics comprise crosslinked polyolefin elastic fibers which may be combined into a core spun yarn with inherently flame resistant fibers. The elastic fibers or yarns can be conveniently formed into fabrics using well-known techniques such as, for example, warp or weft weaving or by using co-knitting techniques with other flame resistant fibers or yarns. Such fabrics are useful in various durable or repeated-use fabric applications such as, but not limited to, clothing (in particular protective garments), and upholstery.



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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. D02G3/44 A41D31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
D02G A41D

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)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/078705 A (DOW GLOBAL TECHNOLOGIES INC [US]; PATEL RAJEN M [US]; REID RONA L [US]) 25 September 2003 (2003-09-25) page 1, line 5 - line 14 page 13, line 15 - line 26 page 23, line 7 - line 12 page 31, line 14 <div style="text-align: center; margin-top: 20px;">----- -/--</div>	1-4, 10, 11, 15

Further documents are listed in the continuation of Box C.

See patent family annex.

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European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Uhlig, Robert

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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O,Y	<p>SNYDER, WILLIAM: "Development of DOW XLA elastic fiber: Enhancing service temperature and chemical resistance in stretch apparel applications" INTERNET ARTICLE, [Online] 2004, XP002476760 Retrieved from the Internet: URL: http://www.dornbirn-mfc.com/stuff/Kurzreferate/Referat_Kurzfassungen_2004.pdf page 7, last paragraph - page 8, paragraph 1</p>	1-8, 10-17, 19-21
Y	<p>"Dow Fiber Solutions Wins FTC Approval for Generic Name Lastol for New Subclass of Fiber" INTERNET CITATION, [Online] XP002247375 Retrieved from the Internet: URL: http://www.dow.com/dow_news/prodpub/2003/20030204a.htm [retrieved on 2003-07-11] the whole document</p>	1-8, 10-17, 19-21
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INTERNATIONAL SEARCH REPORT

International application No
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