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(21) International Application Number: PCT/US99/17807 (22) International Filing Date: 4 August 1999 (04.08.99) (30) Priority Data: 60/095,330 4 August 1998 (04.08.98) US 60/097,741 24 August 1998 (24.08.98) US (71) Applicant: MADASH LLP [US/US]; 7 Coach Road, Lexington, MA 02420 (US). (72) Inventors: RON, Eyal, S.; 7 Coach Road, Lexington, MA 02420 (US). BROMBERG, Lev; 15 Sherwood Road, Swampscott, MA 01907 (US). TEMCHENKO, Marina; 15 Sherwood Road, Swampscott, MA 01907 (US).		(81) Designated States: CA, JP, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 23 March 2000 (23.03.00)
(54) Title: END MODIFIED THERMAL RESPONSIVE HYDROGELS (57) Abstract A pharmaceutical composition includes a pharmaceutically acceptable carrier, comprising a reverse thermally viscosifying polymer. The polymer includes a linear block copolymer, wherein at least one block comprises a poloxamer; and at least one block comprises a biocompatible polymer or oligomer, in an aqueous medium. The composition also includes an active agent which imparts a pharmaceutical or cosmetic effect. The composition viscosifies in response to an environmental stimulus. The composition is suitable for administration of the pharmaceutical agent across dermal, otic, rectal, vaginal, ophthalmic, esophageal and nasal mucosal membranes.		

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/17807

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/74, 47/30
US CL : 525/404; 424/78.17; 514/772.1

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)

U.S. : 525/404; 424/78.17; 514/772.1

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- A	US 5,548,035 A (KIM ET AL) 20 August 1996, see the abstract and claims.	10 ----- 1-9, 11-40
X --- A	Database Chemical Abstract, Accession Number 123:171395, KOMA et al, 'Photopolymerizable Resin Diluents and Compositions Thereof', abstract, JP 07-018042, 20 January 1995, see entire abstract.	10, 11 ----- 1-9, 12-40

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

FREDERICK KRASS

Telephone No. (703) 308-0196