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(54) Title: DRUG RELEASE FROM POLYMER MATRICES THROUGH MECHANICAL STIMULATION

(57) Abstract: A method for drug delivery and polymer matrix suited to the method are disclosed. The polymer matrix has reversibly bound thereto a drug or combination of drugs, and is capable of releasing the drug or combination of drugs in response to mechanical stimulation of the polymer matrix. According to the method of this invention, such a polymer matrix is delivered to an *in vivo* locus, for example the site of a wound, trauma, etc., and mechanical stimulation of said polymer matrix is effected *in vivo*, thereby releasing the drug or combination of drugs in the area of the *in vivo* locus.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 9/14
US CL : 424/ 484, 485, 486

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. : 424/ 484, 485, 486

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)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, P	US 6,206,914 B1 (SOYKAN ET AL) 27 March 2001. See entire document.	1-29

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

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"P" document published prior to the international filing date but later than the priority date claimed	

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