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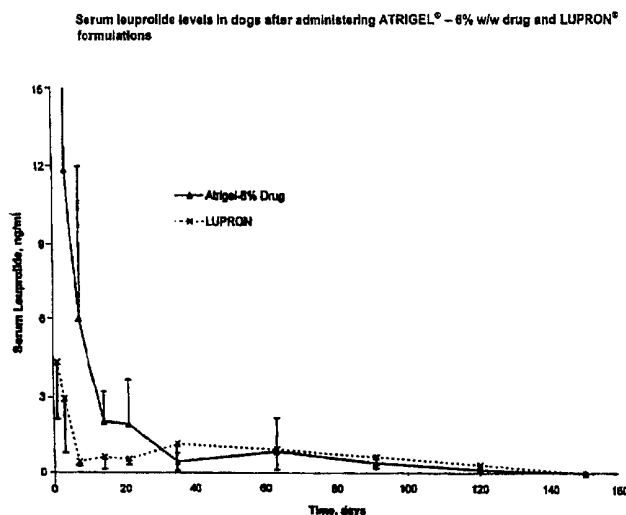
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[Continued on next page]

(54) Title: POLYMERIC DELIVERY FORMULATIONS OF LEUPROLIDE WITH IMPROVED EFFICACY



(57) Abstract: A flowable composition for use as a controlled release implant, comprising a biodegradable thermoplastic polyester that is at least substantially insoluble in aqueous medium or body fluid, a biocompatible polar aprotic solvent, miscible to dispersible in aqueous medium or body fluid and leuprolide acetate, an implant or a kit comprising such composition, a method for forming the flowable composition. The present invention is also directed to a biodegradable implant formed in situ, in a patient, to a method of forming a biodegradable implant in situ, in a living patient which includes injecting a flowable composition within the body of a patient and allowing the biocompatible polar aprotic solvent to dissipate to produce a solid biodegradable implant and a method of treating cancer in a patient by administering to the patient in need of such treatment an effective amount of a flowable composition of the present invention or a method of reducing LHRH levels in a patient.



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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/29612

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/00 A61K38/09 A61K47/34

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)

IPC 7 A61K

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, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 27962 A (ALZA CORP ; SHEN THEODORE T (US); BRODBECK KEVIN J (US)) 2 July 1998 (1998-07-02) page 7, line 22 -page 8, line 29 page 9, line 15-24 page 11, line 18 -page 12, line 2; claims 1-6,13 ---	1-11,20,22
A	US 5 736 152 A (DUNN RICHARD L) 7 April 1998 (1998-04-07) column 3, line 58 -column 4, line 28; claims 8,9 ---	1-46
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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information on patent family members

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