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(71) Applicant (for all designated States except US): **REPROS THERAPEUTICS INC.** [US/US]; 2408 Timberloch Pake, B-7, The Woodlands, TX 77380 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PODOLSKI, Joseph** [US/US]; 2408 Timberlock Place, B-7, The Woodlands, TX 77380 (US).

(74) Agent: **CLOUGH, David, W.**; Howrey LLP, Docketing Department, 2941 Fairview Park Drive, Suite 200, Falls Church, VA 22042-9922 (US).

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(54) Title: METHODS AND FORMULATIONS FOR IMPROVED BIOAVAILABILITY OF ANTIPROGESTINS

(57) Abstract: Compositions comprising an antiprogestin and having improved bioavailability are provided. In one aspect, compositions comprising particles of an antiprogestin deposited on a carrier substrate are provided. In another aspect, compositions comprising a micronized antiprogestin are provided. Also provided is the use of compositions comprising an antiprogestin and having improved bioavailability for the treatment of endometriosis, uterine fibroids, dysmenorrhea, and meningiomas.



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# INTERNATIONAL SEARCH REPORT

International application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. A61K31/57 A61K9/14 A61P15/00

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)  
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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 , BIOSIS, EMBASE, **CHEM ABS Data**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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Y	WO 01/37808 A (LIPOCINE INC [US]) 31 May 2001 (2001-05-31) 'examples 3,10,11 -----	1-17, 32-44
Y	US 2005/220825 A1 (FUNKE ADRIAN [DE] ET AL) 6 October 2005 (2005-10-06) columns 1,2; examples 10,11 -----	1-17, 32-44
Y	WO 02/069978 A (BESINS INTERNAT LAB [FR]; BESSE JEROME [FR]) 12 September 2002 (2002-09-12) examples -----	18-44
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Further documents are listed in the continuation of Box C.

See patent family annex.

Special categories of cited documents :

<p>'A' document defining the general state of the art which is not considered to be of particular relevance</p> <p>'E' earlier document but published on or after the international filing date</p> <p>'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>'O' document referring to an oral disclosure, use, exhibition or other means</p> <p>'P' document published prior to the international filing date but later than the priority date claimed</p>	<p>'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>'&amp;' document member of the same patent family</p>
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Date of the actual completion of the international search  <b>19 September 2008</b>	Date of mailing of the international search report  08/10/2008
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Name and mailing address of the ISA/ 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  <b>Pacreu Largo , Marta</b>
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	<p>CHAMBIN O ET AL: "INTEREST OF MULTIFUNCTIONAL LIPID EXCIPIENTS: CASE OF GELUCIRE 44/14" DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, NEW YORK, NY, US, vol. 31, no. 6, 1 July 2005 (2005-07-01), pages 527-534, XP009059038 ISSN: 0363-9045 abstract</p> <p>-----</p>	6-9, 23, 24
A	<p>ATTARDI BARBARA J ET AL: "CDB-4124 and its putative monodemethylated metabolite, CDB-4453, are potent antiprogestins with reduced antigluocorticoid activity: In vitro comparison to mifepristone and CDB-2914" MOLECULAR AND CELLULAR ENDOCRINOLOGY, vol. 188, no. 1-2, 25 February 2002 (2002-02-25), pages 111-123, XP002496575 ISSN: 0303-7207 abstract</p> <p>-----</p>	1-44

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