

06-27-2001

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)



101762115

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Please record the attached original documents or copy thereof.

1. Name of conveying party:

CYTOTHERAPEUTICS, INC.  
525 Del Rey Avenue,  
Suite C  
Sunnyvale, CA 94086

2. Name and address of receiving party

NEUROTECH S.A.  
Bâtiment Génopole-Industries  
4, rue Pierre Fontaine  
91000 EVRY  
FRANCE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment (2 pp. + 17 pp. attachment)  
☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: December 29, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is \_\_\_\_\_

A. Patent Application No(s):

09/801,237

B. Patent No(s):

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence  
Concerning document should be mailed:

Name: Ivor R. Elrifi  
Address: MINTZ, LEVIN, COHN, FERRIS  
GLOVSKY and POPEO, P.C.  
One Financial Center  
Boston, MA 02111

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) \$40.00

- ☒ Enclosed  
☐ The Commissioner is authorized to charge Deposit Account  
No: 50-0311, Reference No. \_\_\_\_\_

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9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Christina V. Karnakis  
Reg. No. 45,899

*Christina V. Karnakis*

6/20/01

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: [ 20 ]

Mail documents to be recorded with required cover sheet information to:

BOX ASSIGNMENT  
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06/26/2001 TDI4Z1 00000160 09801237

01 FC:581

40.00 DP

**ASSIGNMENT OF PATENTS**

WHEREAS, Cytotherapeutics, Inc. (hereafter "Assignor"), a Delaware corporation having a principal place of business at 525 Del Rey Avenue, Suite C, Sunnyvale, California 94086, is the sole and exclusive owner of all right, title and interest in and to the Patents and Patent Applications set forth on Schedule A, attached hereto; and

WHEREAS, Neurotech S.A. (hereafter "Assignee"), a corporation having a principal place of business at Bâtiment Genepole Industries, 4 rue Pierre-Fontaine, 91000 Evry, FRANCE, is desirous of acquiring the entire right, title and interest in and to said Patents and Patent Applications.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and conveyed and by these presents does hereby sell, assign, transfer and conveyed, unto said Assignee, its successors and assigns, the entire right, title and interest in and to the Patents and Patent Applications as set forth and described in Schedule A, attached hereto, including pending and abandoned applications and all divisions, continuations, continuations-in-part and renewals thereof, and all Patents which may be granted thereon and all reissues, re-examinations and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for an invention described in any of the foregoing applications, including pending and abandoned applications, in any country or countries of the world, together with the right to file such applications and the right to claim for the same the priority rights derived from said applications under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries of the world and all extensions, renewals and reissues thereof; together with all claims for damages by reason of past infringement, with the right to sue for, and collect the same for the use of Assignee, its successors and assigns.

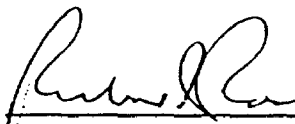
Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

Assignor hereby covenants and agrees that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.

This assignment is effective as of this 29<sup>th</sup> day of December, 1999.

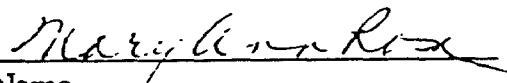
IN WITNESS WHEREOF, Assignor has caused these presents to be signed by a duly authorized officer.

CYTOTHERAPEUTICS, INC., Assignor

By:   
Name: RICHARD M. ROSE  
Title: PRESIDENT + CEO

Witnesses:

Signature:

  
Name

Signature:



Express Mail No.: EJ695372709US  
Date of Deposit: 02/02/00

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**CytoTherapeutics, Inc.**

Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-001	US IN VIVO DELIVERY OF NEUROTRANSMITTERS BY IMPLANTED, ENCAPSULATED CELLS	07/121626	17-Nov-1987	4,892,538	09-Jan-1990	Granted
CTI-001	US DEVICES AND METHODS FOR ENHANCED DELIVERY OF ACTIVE FACTORS	07/462107	08-Jan-1990			Abandoned
CTI-001	US DEVICES AND METHODS FOR ENHANCED DELIVERY OF ACTIVE FACTORS	07/840655	20-Feb-1992			Abandoned
CTI-001	US DEVICES AND METHODS FOR ENHANCED DELIVERY OF ACTIVE FACTORS	08/383583	03-Feb-1995			Abandoned
CTI-001	US IN VIVO DELIVERY OF NEURTRANSMITTERS BY IMPLANTED ENCAPSULATED CELLS	08/384305	06-Feb-1995			Abandoned
CTI-001	US IN VIVO DELIVERY OF NEURTRANSMITTERS BY IMPLANTED ENCAPSULATED CELLS	08/085504	30-Jun-1993	RE35653	04-Nov-1997	Granted
CTI-001	US IN VIVO DELIVERY OF NEURTRANSMITTERS BY IMPLANTED ENCAPSULATED CELLS	07/369296	21-Jun-1989			Abandoned
CTI-002	US NEUROLOGICAL THERAPY SYSTEM	07/613109	14-Nov-1990	5,106,627	21-Apr-1992	Granted
CTI-002	US NEUROLOGICAL THERAPY SYSTEM	07/841875	26-Feb-1992	5,156,844	20-Oct-1992	Granted

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## Cyto Therapeutics, Inc.

Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-003	US NEURAL IMPLANT METHOD AND SYSTEM	07/722947	28-Jun-1991			Abandoned
CTI-003	US IMPLANTABLE THERAPY SYSTEMS AND CIP	07/998368	30-Dec-1992			Abandoned
CTI-003	US IMPLANTABLE THERAPY SYSTEMS AND FWC	08/459815	02-Jun-1995	5,487,739	30-Jan-1996	Granted
CTI-003	US IMPLANTABLE THERAPY SYSTEMS AND FWC DIV	08/593256	29-Jan-1996			Abandoned
CTI-003	US IMPLANTABLE THERAPY SYSTEMS AND FWC II	08/741228	29-Oct-1996			Pending
CTI-004	US IMPLANTING DEVICES FOR THE FOCAL RELEASE OF NEUROINHIBITORY COMPOUNDS	07/912463	13-Jul-1992	5,871,472	16-Feb-1999	Granted
CTI-004	US IMPLANTING DEVICES FOR THE FOCAL RELEASE OF NEUROINHIBITORY COMPOUNDS	08/461273	05-Jun-1995			Abandoned
CTI-004	US IMPLANTING DEVICES FOR THE FOCAL RELEASE OF NEUROINHIBITORY COMPOUNDS	08/168858	16-Dec-1993	5,474,547	12-Dec-1995	Granted
CTI-004	US IMPLANTING DEVICES FOR THE FOCAL RELEASE OF NEUROINHIBITORY COMPOUNDS	08/461301	05-Jun-1995	5,573,528	12-Nov-1996	Granted

PATENT

REEL: 011919 FRAME: 0457

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## CytoTherapeutics, Inc.

Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-005	US CELL CAPSULE EXTRUSION SYSTEMS	07/461999	08-Jan-1990	5,158,881	27-Oct-1992	Granted
CTI-005	US CELL CULTURE-CONTAINING TUBULAR CAPSULE PRODUCED BY CO-EXTRUSION CIP	07/638759	08-Jan-1991	5,283,187	01-Feb-1994	Granted
CTI-005	US METHOD OF ENCAPSULATING CELLS IN A TUBULAR EXTRUDATE	07/827728	26-Feb-1992	5,284,761	08-Feb-1994	Granted
CTI-005	US METHOD OF ENCAPSULATING CELLS IN A TUBULAR EXTRUDATE	08/169169	17-Dec-1993	5,389,535	14-Feb-1995	Granted
CTI-006	US CAPSULE EXTRUSION SYSTEMS	07/722852	28-Jun-1991			Abandoned
CTI-006	US METHOD OF PREPARING ELONGATED SEAMLESS CAPSULES CONTAINING BIOLOGICAL MATERIAL	07/997770	24-Dec-1992	5,418,154	23-May-1995	Granted
CTI-006	US PREPARATION OF ELONGATED SEAMLESS CAPSULES CONTAINING A COAXIAL ROD AND BIOLOGICAL MATERIAL	08/430786	27-Apr-1995	5,643,773	01-Jul-1997	Granted
CTI-007	US IN VIVO DELIVERY OF ACTIVE FACTORS BY CO-CULTURED CELL IMPLANTS	07/722894	28-Jun-1991	5,182,111	26-Jan-1993	Granted
CTI-008	US RENEWABLE NEURAL IMPLANT DEVICE AND METHOD	07/722950	28-Jun-1991			Abandoned

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**CytoTherapeutics, Inc.**

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-008 FWC	US RENEWABLE NEURAL IMPLANT DEVICE AND METHOD	08/226389	12-Apr-1994			Abandoned
CTI-008 FWC2	US RENEWABLE NEURAL IMPLANT DEVICE AND METHOD	08/453571	26-May-1995	5,554,148	10-Sep-1996	Granted
CTI-009	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	07/692403	25-Apr-1991			Abandoned
CTI-009 CIP	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/140015	25-Oct-1993			Abandoned
CTI-009 CIP2	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/179151	10-Jan-1994	5,800,828	01-Sep-1998	Granted
CTI-009 CIP2A	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/215106	21-Mar-1994			Abandoned
CTI-009 CIP2DIV7	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449562	24-May-1995	5,869,077	09-Feb-1999	Granted

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**Cyto Therapeutics, Inc.**

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-009 CIP2DIV9	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449524	24-May-1995	5,798,113	25-Aug-1998	Granted
CTI-009 DIV1	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449274	24-May-1995	5,800,829	01-Sep-1998	Granted
CTI-009 DIV10	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449154	24-May-1995			Abandoned
CTI-009 DIV11	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR THE DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	09/148671	04-Sep-1998			Pending
CTI-009 DIV2	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449837	24-May-1995	5,874,099	23-Feb-1999	Granted
CTI-009 DIV3	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449214	24-May-1995	5,834,001	10-Nov-1998	Granted
CTI-009 DIV4	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449051	24-May-1995			Abandoned

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**REEL: 011919 FRAME: 0460**

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## CytoTherapeutics, Inc.

Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-009 DIV5	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449062	24-May-1995	5,871,767	16-Feb-1999	Granted
CTI-009 DIV6	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/448765	24-May-1995			Abandoned
CTI-009 DIV8	US IMPLANTABLE BIOCOMPATIBLE IMMUNOISOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS	08/449414	24-May-1995			Abandoned
CTI-010 CIP	US CHITOSAN MATRICES FOR ENCAPSULATED CELLS	07/952249	28-Sep-1992			Abandoned
CTI-010 CIP	US CHITOSAN MATRICES FOR ENCAPSULATED CELLS	08/294149	22-Aug-1994	5,871,985	16-Feb-1999	Granted
CTI-010 DIV	US CHITOSAN MATRICES FOR ENCAPSULATED CELLS	09/251004	16-Feb-1999			Pending
CTI-011	US IMPLANTABLE DELIVERY SYSTEM FOR BIOLOGICAL FACTORS	07/240939	06-Oct-1988	5,011,472	30-Apr-1991	Granted
CTI-012	US USE OF POUCH FOR IMPLANTATION OF LIVING CELLS	07/922111	29-Jul-1992			Pending

PATENT

REEL: 011919 FRAME: 0461

**Cyto Therapeutics, Inc.**

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-013	US LOCAL IMMUNOSUPPRESSION BY POLYMER RELEASE OF DEFINED COMBINATIONS OF IMMUNOSUPPRESSANTS	07/677228	29-Mar-1991			Abandoned
CTI-014	US EXTRUSION APPARATUS AND SYSTEMS	07/722851	28-Jun-1991	5,232,712	03-Aug-1993	Granted
CTI-015	US APPARATUS FOR FORMING HOLLOW FIBERS	07/703360	21-May-1991			Abandoned
CTI-015 CIP	US APPARATUS FOR FORMING HOLLOW FIBERS AND SAID FIBERS	07/927509	17-Sep-1992	5,480,598	29-Jan-1996	Granted
CTI-015 DIV	US APPARATUS FOR FORMING HOLLOW FIBERS AND SAID FIBERS	08/456636	01-Jun-1995	5,656,372	12-Aug-1997	Granted
CTI-016	US COMPOSITIONS AND METHODS FOR THE DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES USING GENETICALLY ALTERED CELLS CONTAINED IN BIOCOMPATIBLE IMMUNOISOLATORY CAPSULES	08/105278	12-Aug-1993			Abandoned
CTI-016 CIP2A	US COMPOSITIONS AND METHODS FOR THE DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES USING GENETICALLY ALTERED CELLS CONTAINED IN BIOCOMPATIBLE IMMUNOISOLATORY CAPSULES	08/450316	25-May-1995	5,676,943	14-Oct-1997	Granted

# Cyto Therapeutics, Inc.

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-016 CIP2B	US COMPOSITIONS AND METHODS FOR THE DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES USING GENETICALLY ALTERED CELLS CONTAINED IN BIOCOMPATIBLE IMMUNOISOLATORY CAPSULES	08/450862	25-May-1995	5,908,623	01-Jun-1999	Granted
CTI-016 CIP2BCO N	US IMPROVED COMPOSITIONS AND METHODS FOR DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES USING GENETICALLY ALTERED CELLS CONTAINED IN BIOCOMPATIBLE IMMUNOISOLATORY CAPSULES	09/236246	25-Jan-1999			Pending
CTI-016 CIP2C	US DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES USING CELLS CONTAINED IN BIOCOMPATIBLE IMMUNOISOLATORY CAPSULES	08/449756	25-May-1995	5,639,275	17-Jun-1997	Granted
CTI-016 CIP2D	US COMPOSITIONS AND METHODS FOR THE DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES USING CELLS CONTAINED IN BIOCOMPATIBLE CAPSULES	08/451044	25-May-1995	5,653,975	05-Aug-1997	Granted
CTI-016 CIP2E	US COMPOSITIONS AND METHODS FOR THE DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES USING CELLS CONTAINED IN BIOCOMPATIBLE CAPSULES	08/449946	25-May-1995	5,656,481	12-Aug-1997	Granted
CTI-017	US INNER SUPPORTED BIOCOMPATIBLE CELL CAPSULES	08/176119	30-Dec-1993			Abandoned

PATENT

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# CytoTherapeutics, Inc.

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-017 CIP	US INNER-SUPPORTED, BIOCOMPATIBLE CELL CAPSULES	08/337555	10-Nov-1994	5,786,216	28-Jul-1998	Granted
CTI-017 FWC	US INNER SUPPORTED BIOCOMPATIBLE CELL CAPSULES	08/449568	24-May-1995	5,773,286	30-Jun-1998	Granted
CTI-018	US METHOD FOR IMPLANTING ENCAPSULATED CELLS IN A HOST	08/228403	15-Apr-1994	5,550,050	27-Aug-1996	Granted
CTI-018 CIP	US METHOD FOR IMPLANTING ENCAPSULATED CELLS IN A HOST	08/722096	12-Mar-1997			Pending
CTI-019	US METHOD OF ENCAPSULATING BIOLOGICAL SUBSTANCES IN MICROSPHERES	08/113778	27-Aug-1993	5,453,368	26-Sep-1995	Granted
CTI-019 DIV	US METHOD OF ENCAPSULATING BIOLOGICAL SUBSTANCES IN MICROSPHERES	08/514780	14-Aug-1995	5,656,469	12-Aug-1997	Granted
CTI-022	US METHODS AND COMPOSITIONS OF GROWTH CONTROL FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/279773	20-Jul-1994	5,935,849	10-Aug-1999	Granted
CTI-022 DIV8	US METHODS AND COMPOSITIONS OF GROWTH CONTROL FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/447771	23-May-1995	5,833,979	10-Nov-1998	Granted
CTI-022 CIP	US METHODS AND COMPOSITIONS OF GROWTH CONTROL FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/432698	09-May-1995	5,843,431	01-Dec-1998	Granted

PATENT

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**Cyto Therapeutics, Inc.**

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-022 DIV1	METHODS AND COMPOSITIONS OF GROWTH CONTROL FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/447372	26-Jul-1995			Abandoned
CTI-022 DIV2	METHODS FOR CONTROLLING PROLIFERATION AND DIFFERENTIATION OF CELLS ENCAPSULATING WITHIN BIOARTIFICIAL ORGANS	08/448201	23-May-1995	5,795,790	18-Aug-1998	Granted
CTI-022 DIV3	METHODS AND COMPOSITIONS OF GROWTH CONTROL FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/445193	23-May-1995			Allowed
CTI-022 DIV4	METHOD AND COMPOSITIONS OF GROWTH CONTROL FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/447810	23-May-1995	5,858,747	12-Jan-1999	Granted
CTI-022 DIV5	METHODS AND COMPOSITIONS OF GROWTH CONTROL FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/447356	23-May-1995	5,853,717	29-Dec-1998	Granted
CTI-022 DIV6	METHODS AND COMPOSITIONS OF GROWTH CONTROL FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/447748	23-May-1995			Pending
CTI-022 DIV7	METHODS AND COMPOSITIONS OF GROWTH FOR CELLS ENCAPSULATED WITHIN BIOARTIFICIAL ORGANS	08/447778	23-May-1995	5,776,747	07-Jul-1998	Granted
CTI-023	US MICROPOROUS MACROCAPSULES	08/436281	16-Nov-1993	5,955,095	21-Sep-1999	Granted

**PATENT**

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# CytoTherapeutics, Inc.

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-023	US MICROPOROUS MACROCAPSULES CIP	07/975354	16-Nov-1992			Abandoned
CTI-023	US MICROPOROUS MACROCAPSULES CONT	08/465392	05-Jun-1995			Pending *
CTI-023	US MICROPOROUS MACROCAPSULES CONT1	08/177102	03-Jan-1994			Abandoned
CTI-024	US METHOD AND APPARATUS FOR SEALING IMPLANTABLE MEMBRANE ENCAPSULATION DEVICES	08/082407	23-Jun-1993			Abandoned
CTI-024	US METHOD AND APPARATUS FOR SEALING CIP IMPLANTABLE MEMBRANE ENCAPSULATION DEVICES	08/448385	29-Sep-1995			Abandoned
CTI-024	US METHOD AND APPARATUS FOR SEALING CIP DIV1 IMPLANTABLE MEMBRANE ENCAPSULATION DEVICES	08/490113	06-Jun-1995	5,653,688	05-Aug-1997	Granted
CTI-024	US METHOD AND APPARATUS FOR SEALING CIP DIV3 IMPLANTABLE MEMBRANE ENCAPSULATION DEVICES	08/488560	06-Jun-1995	5,713,887	03-Feb-1998	Granted
CTI-024	US METHOD AND APPARATUS FOR SEALING CIP DIV4 IMPLANTABLE ENCAPSULATION DEVICES	08/476498	07-Jun-1995	5,738,673	14-Apr-1998	Granted

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## Cyto Therapeutics, Inc.

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-024 CIP DIV5	US METHOD AND APPARATUS FOR SEALING IMPLANTABLE MEMBRANE ENCAPSULATION DEVICES	08/490112	06-Jun-1995	5,653,687	05-Aug-1997	Granted
CTI-024 CIPDIV2	US METHOD AND APPARATUS FOR SEALING IMPLANTABLE MEMBRANE ENCAPSULATION DEVICES	08/477308	06-Jun-1995	5,932,460	03-Aug-1999	Granted
CTI-024 DIV6	US METHOD AND APPARATUS FOR SEALING IMPLANTABLE, MEMBRANE ENCAPSULATION DEVICES	09/016223	30-Jan-1998			Allowed
CTI-025	US MEMBRANE FORMED BY AN ACRYLONITRILE-BASED POLYMER	08/053899	27-Apr-1993			Abandoned
CTI-025 CIP	US MEMBRANE FORMED BY AN ACRYLONITRILE-BASED POLYMER	08/535213	16-Jan-1996	5,720,969	24-Feb-1998	Granted
CTI-025 CIPCON1	US MEMBRANE FORMED BY AN ACRYLONITRILE-BASED POLYMER	09/016518	31-Jan-1998			Pending
CTI-026	US COMPOSITIONS AND METHODS FOR A BIOARTIFICIAL EXTRACELLULAR MATRIX	08/280646	20-Jul-1994	5,834,029	10-Nov-1998	Granted
CTI-026 CON1	US COMPOSITIONS AND METHODS FOR A BIOARTIFICIAL EXTRACELLULAR MATRIX	08/447013	22-May-1995			Abandoned
CTI-026 CON2	US COMPOSITIONS AND METHODS FOR A BIOARTIFICIAL EXTRACELLULAR MATRIX	08/447017	22-May-1995			Abandoned

PATENT

REEL: 011919 FRAME: 0467

# CytoTherapeutics, Inc.

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-026 CON3	US COMPOSITIONS AND METHODS FOR A BIOARTIFICIAL EXTRACELLULAR MATRIX	08/447105	22-May-1995			Abandoned
CTI-026 CON4	US COMPOSITIONS AND METHODS FOR A BIOARTIFICIAL EXTRACELLULAR MATRIX	08/447016	22-May-1995			Abandoned
CTI-026 CON5	US COMPOSITION AND METHOD FOR BIOARTIFICIAL EXTRACELLULAR MATRIX	09/119871	21-Jul-1998			Abandoned
CTI-026 DIV1	US COMPOSITIONS AND METHODS FOR BIOARTIFICIAL EXTRACELLULAR MATRIX	09/160654	25-Sep-1998			Pending
CTI-027	US ENCAPSULATED PC12 CELL TRANSPLANTS FOR TREATMENT OF PARKINSON'S DISEASE	08/296967	26-Aug-1994	5,853,385	29-Dec-1998	Granted
CTI-028	US BIOARTIFICIAL ORGANS COMPRISING OPEN PORED FOAM LIKE MEMBRANES	08/488317	07-Jun-1995	5,837,234	17-Nov-1998	Granted
CTI-029	US CELL LINE PRODUCING ANALGESIC COMPOUNDS FOR TREATING PAIN	38/481917	07-Jun-1995			Pending
CTI-029 CIP	US PAIN CELL LINE	08/973580	07-Jun-1996			Pending
CTI-029 CON	US CELL LINE PRODUCING ANALGESIC COMPOUNDS FOR TREATING PAIN	09/378968	23-Aug-1999			Pending

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-030	US TETHER ANCHOR	09/289710	12-Apr-1999			Pending
CTI-030	US TETHER ANCHOR FOR IMPLANTIBLE DEVICE PRO	60/081617	13-Apr-1998			Abandoned
CTI-031	US APPARATUS AND METHOD FOR STORAGE AND TRANSPORTATION OF BIOARTIFICIAL ORGANS	08/463658	05-Jun-1995	5,681,740	28-Oct-1997	Granted
CTI-032	US MICRODRIVE FOR USE IN STEREOTACTIC SURGERY	08/265242	24-Jun-1994	5,643,286	01-Jul-1997	Granted
CTI-032	US MICRODRIVE FOR USE IN STEREOTACTIC CON SURGERY	08/814594	10-Mar-1997	5,871,487	16-Feb-1999	Granted
CTI-033	US METHOD FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS USING ENCAPSULATED hcNTF-SECRETING CELLS	08/537338	02-Oct-1995			Abandoned
CTI-034	US MX-1 CONDITIONALLY IMMORTALIZED CELLS	08/447997	23-May-1995			Pending
CTI-035	US DEVICE AND METHOD FOR ENCAPSULATED GENE THERAPY	08/650726	20-May-1996			Allowed
CTI-036	US SYSTEM AND METHOD FOR DELIVERY OF CYTOKINES USING ENCAPSULATED CYTOKINE-SECRETING CELLS	08/651900	21-May-1996			Abandoned

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-038	US    ENCAPSULATION DEVICES WITH STRAND, YARN OR MESH CORE	09/289999	12-Apr-1999			Pending
CTI-038	US    SYNTHETIC WOVEN FABRICS OR NON- WOVEN POLYMER STRANDS AS AN INSERT FOR CELL ENCAPSULATION DEVICES	60/081512	13-Apr-1998			Abandoned
CTI-041	US    DEVICE AND METHOD FOR TREATING OPHTHALMIC DISEASES	08/620982	22-Mar-1996	5,904,144	18-May-1999	Granted
CTI-041	US    DEVICE AND METHOD FOR TREATING OPHTHALMIC DISEASES	09/155066	24-Mar-1997			Pending
CTI-041	US    DEVICE AND METHOD FOR TREATING OPHTHALMIC DISEASES					Pending
CTI-042	US    ARPE-19 CELLS FOR ENCAPSULATION PRO	60/127926	06-Apr-1999			Pending
CTI-043	US    CELL SURFACE MOLECULE-INDUCED MACROPHAGE ACTIVATION	09/178869	26-Oct-1998			Pending
CTI-044	US    DEVICE AND METHODS FOR DELIVERY OF APOPTOSIS-INDUCING MOLECULES	08/633709	17-Apr-1996			Abandoned
CTI-045	US    BIOCOMPATIBLE DEVICES WITH FOAM SCAFFOLDS	08/690969	01-Aug-1996			Allowed

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
CTI-045	US BIOCOMPATIBLE DEVICES WITH FOAM SCAFFOLDS	09/230506	26-Jan-1999			Pending
CTI-046	US POLYMERIC GENE DELIVERY SYSTEM	08/213668	15-Mar-1994			Pending
CTI-046	US POLYMERIC GENE DELIVERY SYSTEM	08/467811	06-Jun-1995			Pending
DIV1						Abandoned
CTI-046	US POLYMERIC GENE DELIVERY SYSTEM	08/978517	25-Nov-1997			Pending
DIV2						
CTI-046	US POLYMERIC GENE DELIVERY SYSTEM	08/978522	25-Nov-1997			Pending
DIV3						
CTI-046	US POLYMERIC GENE DELIVERY	09/173205	15-Oct-1998			Pending
DIV4						Abandoned
CTI-048	US SYSTEM AND METHOD FOR DELIVERING NT-4/5 AND CT-1	08/837406	15-Apr-1997			

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Our Ref.	Title	Serial No.	Filing Date	Patent No.	Issue Date	Status
Abandoned						
CTID-004 US	GLUCOSE RESPONSIVE INSULIN SECRETING B-CELL LINES AND METHOD FOR PRODUCING SAME	08/165088	10-Dec-1993			
CTID-004 US CON	GLUCOSE RESPONSIVE INSULIN SECRETING B-CELL LINES AND METHOD FOR PRODUCING SAME	08/208873	10-Mar-1994	5,534,404	09-Jul-1996	Granted
CTID-004 US DIV2	GLUCOSE RESPONSIVE INSULIN SECRETING B-CELL LINES AND METHOD FOR PRODUCING SAME	08/461302	05-Jun-1995	5,712,159	27-Jan-1998	Granted
CTID-004 US DIV3	GLUCOSE RESPONSIVE INSULIN SECRETING B-CELL LINES AND METHOD FOR PRODUCING SAME	08/464974	05-Jun-1995	5,773,255	30-Jun-1998	Granted
Abandoned						
CTID-004 US DIV4	GLUCOSE RESPONSIVE INSULIN SECRETING BETA-CELL LINES AND METHOD FOR PRODUCING SAME	09/061998	17-Apr-1998			

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REEL: 011919 FRAME: 0472

RECORDED: 06/20/2001