PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TTI ellebeau, Inc.	11/12/2007

RECEIVING PARTY DATA

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Internal Address:	#11-05/06
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State/Country:	SINGAPORE
Postal Code:	048580

PROPERTY NUMBERS Total: 44

Property Type	Number
Application Number:	11280805
Application Number:	11540491
Application Number:	11617606
Application Number:	11618558
Application Number:	11535688
Application Number:	11535717
Application Number:	11617609
Application Number:	11541389
Application Number:	11534972
Application Number:	11537006
Application Number:	11533260
Application Number:	11542664
Application Number:	11540934
Application Number:	11540949

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Application Number:	11540950
Application Number:	11514296
Application Number:	11616666
Application Number:	11541383
Application Number:	11694621
Application Number:	11773352
Application Number:	11850597
Application Number:	11541399
Application Number:	11520855
Application Number:	11171953
Application Number:	11172058
Application Number:	11172372
Application Number:	11195364
Application Number:	11196783
Application Number:	11195351
Application Number:	11471973
Application Number:	11473515
Application Number:	11443564
Application Number:	11475838
Application Number:	11501176
Application Number:	11508732
Application Number:	11522095
Application Number:	11512756
Application Number:	11506404
Application Number:	11506598
Application Number:	11537459
Application Number:	11536194
Application Number:	11522496
Application Number:	11549031
Application Number:	11532049

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	910162.002
NAME OF SUBMITTER:	Lorraine Linford

Total Attachments: 20
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ASSIGNMENT OF INTELLECTUAL PROPERTY

This Intellectual Property Assignment (this "**Assignment**") is made as of September 1, 2007 by and between TTI ellbeau, Inc., a corporation under the laws of Japan ("**Assignor**"), and Transcu Ltd. A corporation under the laws of Singapore ("**Assignee**").

RECITALS

A. Assignor and Assignee have entered into an Intellectual Property Purchase and Sale Agreement dated as of the date hereof (the "**Agreement**") pursuant to which Assignor has agreed to sell, transfer and deliver to the Assignee the IP (as defined in the Agreement) of Assignor.

B. Pursuant to Article II of the Agreement, Assignor desires to assign to Assignee, and Assignee desires to acquire all of Assignor's right, title, and interest in and to all of the IP including but not limited to the IP listed on **Exhibit A** hereto, together with the goodwill pertaining thereto (collectively, the "**Assigned Intellectual Property**").

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the covenants and agreements contained in the Agreement and in this Assignment, and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to implement the assignments of Intellectual Property required by the Agreement, Assignor hereby agrees as follows:

1. The terms and provisions of the Agreement shall apply to this Assignment, and the terms and conditions of this Assignment shall be construed consistently therewith.

2. Neither the representations and warranties nor the rights (including indemnification) and remedies of any party under the Agreement shall be deemed to have been reduced or altered in any way by the execution, acceptance and approval of this Assignment.

3. Assignor does hereby sell, transfer, convey, assign, grant, set over and deliver to Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest in and to the Assigned Intellectual Property, free and clear of all liens, mortgages, options, charges, title defects, security interests and similar encumbrances, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns, designees, nominees and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made, together with all causes of action (in law or equity), claims, demands and any other rights for, or arising from any past, present or future infringement, of the Assigned Intellectual Property, along with the right to sue for and collect any damages for the use and benefit of Assignee and Assignee's successors, assigns, designees, nominees and other legal representatives.

4. Assignor represents and warrants that, at the time of the execution and delivery of this Assignment, it possesses the unencumbered right and authority to make this Assignment. Assignor further represents, warrants and covenants that the execution and delivery of this Assignment does not breach any agreement to which Assignor is a party, and Assignor has not

entered into, and will not enter into, any oral or written agreement in conflict with this Assignment.

5. As may be requested by Assignee or its designee or other legal representative from time to time after the date hereof, Assignor agrees to assist Assignee, or Assignee's successors, assigns, designees, nominees or other legal representatives, in a commercially reasonable manner, without further consideration, to (i) evidence, record, and perfect the assignment of the Assigned Intellectual Property and (ii) secure Assignee's rights in the Assigned Intellectual Property, including, but not limited to, the execution, delivery and filing of all applications, specifications, oaths, assignments, powers-of-attorney, and similar instruments that Assignee deems necessary to assign and convey to Assignee, or Assignee's successors, assignees, designees, nominees or other legal representatives, all right, title and interest in and to the Assigned Intellectual Property.

6. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, the Register of Copyrights of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue, certify, or assign registrations or applications for service marks, trademarks, patents, copyrights, Internet domain names or other evidence or forms of intellectual property protection, to issue, certify or assign as appropriate, the same to Assignee and Assignee's successors, assigns, designees, nominees and other legal representatives in accordance with the terms of this Assignment.

IN WITNESS WHEREOF, this Assignment has been executed as of the day and year first written above.

ASSIGNOR:

TTI ellebeau Inc.

By: _____

Name: Tasuku Okubo

Title: Representative Director

Acknowledgement by Witness

On this 12 th day of Jan, 2007, in Singapore, before me, the undersigned witness, personally appeared Tasuku Okubo, personally known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

Signature: _____

Name: _____, Witness

Exhibit A

PART I List of Registered Patents

No.	Country	Title of the invention	Filing date	Application number	Date of patent	Patent number
T001	JP	Iontophoresis device	1991/03/27	H03-086002	2000/03/03	03040517
T010	AU	Iontophoresis device	2002/05/15	2002258186	2005/10/28	2002258186
T010	KR	Iontophoresis device	2004/04/30	(10)20047006496		1005487960000
T010	NZ	Iontophoresis device	2002/05/15	532402	2006/03/09	NZ532402
T010	RU	Iontophoresis device	2004/04/29	2004113374	2006/02/10	RU2269366
T010	SG	Iontophoresis device	2002/05/15	200402212-5	2006/04/28	
T010	ZA	Iontophoresis device	2004/04/29	2004/3222		ZA2004/03222

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
D012	AU	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	2005307739	
T011	AU	Electrode and iontophoresis device	2005/10/28	2005297817	
T013	AU	Iontophoresis device	2005/11/28	2005310701	
T014	AU	Iontophoresis device	2005/12/06	2005312736	
T015	AU	Iontophoresis device	2006/02/02	2006211357	
T010	BG	Iontophoresis device	2002/05/15	108737	
D012	BR	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	PI0518333-2	
T010	BR	Iontophoresis device	2002/05/15	PI0213762-3	
T010	BR	Iontophoresis device	2002/05/15	PI0215823-0	
T011	BR	Electrode and iontophoresis device	2005/10/28	PI0518072-4	
T013	BR	Iontophoresis device	2005/11/28	PI0517910-6	
T014	BR	Iontophoresis device	2005/12/06	PI0518936-5	
D012	CA	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	2587001	
T010	CA	Iontophoresis device	2002/05/15	2464155	
T011	CA	Electrode and iontophoresis device	2005/10/28	2585355	
T013	CA	Iontophoresis device	2005/11/28	2587657	
T014	CA	Iontophoresis device	2005/12/06	2589532	
T015	CA	Iontophoresis device	2006/02/02	2595990	
D012	CN	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	200580042267.6	
T010	CN	Iontophoresis device	2002/05/15	02821396.3	
T011	CN	Electrode and iontophoresis device	2005/10/28	200580037270.9	
T013	CN	Iontophoresis device	2005/11/28	200580041099.9	
T014	CN	Iontophoresis device	2005/12/06	200580042380.4	
T015	CN	Iontophoresis device	2006/02/02	200680003977.2	
T010	CZ	Iontophoresis device	2002/05/15	PV2004-656	
T010	EE	Iontophoresis device	2002/05/15	P200400090	
D012	EP	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	EP05851767.3-2401	
T010	EP	Iontophoresis device	2002/05/15	EP02728062.7	
T011	EP	Electrode and iontophoresis device	2005/10/28	EP05805338.0	
T013	EP	Iontophoresis device	2005/11/28	EP05809593.6	
T014	EP	Iontophoresis device	2005/12/06	EP05814574.9	
T015	EP	Iontophoresis device	2006/02/02	EP06712873.6	
T017	EP	External preparation, method of applying external preparation, iontophoresis device, and percutaneous patch	2006/03/31	EP06730857.7	
T010	HU	Iontophoresis device	2002/05/15	P0500882	
T010	ID	Iontophoresis device	2002/05/15	W-200401036	
T010	IL	Iontophoresis device	2002/05/15	161529	

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
D012	IN	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	1941/KOLNP/2007	
T010	IN	Iontophoresis device	2002/05/15	01069/DELNP/2004	
T010	IN	Iontophoresis device	2002/05/15	5693/DELNP/2005	
T011	IN	Electrode and iontophoresis device	2005/10/28	2859/DELNP/2007	
T013	IN	Iontophoresis device	2005/11/28	3364/DELNP/2007	
T014	IN	Iontophoresis device	2005/12/06	3905/DELNP/2007	
T015	IN	Iontophoresis device	2006/02/02	4816/DELNP/2007	
T017	IN	External preparation, method of applying external preparation, iontophoresis device, and percutaneous patch	2006/03/31	7590/DELNP/2007	
D012	JP	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	2007-541487	
T002	JP	Iontophoresis device	1999/02/10	H11-033076	
T004	JP	Iontophoresis device	1999/02/19	H11-041415	
T006	JP	Iontophoresis device	1999/02/22	H11-042752	
T008	JP	Iontophoresis device	1999/04/06	H11-099008	
T010	JP	Iontophoresis device	2002/05/15	2003-539764	
T011	JP	Electrode and iontophoresis device	2005/10/28	2006-542346	
T013	JP	Iontophoresis device	2004/11/30	2004-347814	
T014	JP	Iontophoresis device	2005/12/06	2005-352731	
T015	JP	Iontophoresis device	2005/02/03	2005-027748	
T016	JP	Iontophoresis device	2005/03/22	2005-081220	
T017	JP	External preparation, method of applying external preparation, iontophoresis device, and percutaneous patch	2005/04/15	2005-119024	
T018	JP	Iontophoresis device and method of producing the same	2005/06/20	2005-179953	
T019	JP	Drug bipolar driving type iontophoresis device	2005/06/06	2005-165634	
T020	JP	Iontophoresis device for performing ON/OFF control on the basis of information from sensor	2005/06/13	2005-172655	
T021	JP	Iontophoresis device for controlling release amount on the basis of internal concentration measurement	2005/06/23	2005-183326	
T022	JP	Iontophoresis device controlling administration amount and administration period of plurality of drugs	2005/06/23	2005-183404	
T023	JP	Iontophoresis device and method of controlling the same	2005/06/02	2005-163002	
T024	JP	Iontophoresis device to deliver active agents to biological interfaces	2006/06/23	2006-174324	

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
T026	JP	Electrode and iontophoresis device	2005/08/01	2005-222892	
T027	JP	Iontophoresis device	2005/08/01	2005-222893	
T029	JP	Iontophoresis device	2005/08/08	2005-229984	
T031	JP	Iontophoresis device	2005/08/08	2005-229985	
T032	JP	pH control; iontophoresis device	2005/08/24	2005-242984	
T033	JP	Iontophoresis device with absorption promoter	2005/09/16	2005-270337	
T034	JP	Dry electrode structure for iontophoresis	2005/09/28	2005-281908	
T035	JP	Gel composition for iontophoresis	2005/09/28	2005-281640	
T036	JP	Iontophoresis composition and electrode assembly	2005/08/24	2005-242996	
T037	JP	Iontophoresis device	2005/07/15	2005-207805	
T038	JP	Iontophoresis device and small size constant current power source	2005/08/05	2005-228528	
T039	JP	Iontophoresis device	2005/08/05	2005-228529	
T040	JP	Iontophoresis device	2005/08/17	2005-236544	
T041	JP	Iontophoresis device	2005/08/22	2005-240460	
T042	JP	Catheter type TCT	2005/09/15	2005-268318	
T044	JP	Percutaneous absorption patch with application position indicating function, and iontophoresis device	2007/08/23	2007-526015	
T045	JP	DDS patch with injection needle insertion hole	2005/08/10	2005-231824	
T046	JP	Transdermal delivery device and method of controlling thereof	2005/08/05	2005-227377	
T047	JP	Iontophoresis device that selects drug to be delivered using sensor information	2005/08/29	2005-247986	
T048	JP	Automatic cut-off (battery	2005/09/14	2005-267587	
T049	JP	Automatic cut-off (circuit)	2005/09/14	2005-267589	
T050	JP	Frozen iontophoresis electrode assembly	2005/08/24	2005-243008	
T052	JP	General purpose electrolyte composition for	2005/08/29	2005-247994	
T053	JP	Iontophoresis device and power supply device for iontophoresis device	2005/09/14	2005-267588	
T054	JP	Method and device for managing medicament, and medicament injecting device	2005/08/18	2005-237755	
T056	JP	Iontophoresis device having dosage stopping system using adverse reaction information from a sensor	2005/08/30	2005-249338	
T058	JP	Iontophoresis device	2005/08/18	2005-238026	
T059	JP	Iontophoresis device	2005/11/25	2005-339692	
T060	JP	Iontophoresis electrode structure and iontophoresis device for delivering drug agent included in nano-particles	2005/09/30	2005-288148	
T062	JP	Capsule TCT	2005/09/28	2005-281138	

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
T063	JP	Low frequency treatment TCT	2005/09/28	2005-282222	
T064	JP	Iontophoresis device	2005/08/26	2005-246442	
T065	JP	Iontophoresis device	2005/09/14	2005-266623	
T066	JP	Mucous membrane attachable iontophoresis	2005/10/12	2005-297745	
T068	JP	Iontophoresis assembly kit	2005/08/30	2005-249399	
T069	JP	Iontophoresis device	2005/09/06	2005-258304	
T070	JP	Method of administering drug ions and pin iontophoresis device	2005/11/17	2005-332523	
T071	JP	Iontophoresis device	2005/12/21	2005-368430	
T072	JP	Iontophoresis device	2005/09/27	2005-280336	
T073	JP	PDT application (catheter)	2005/09/16	2005-270862	
T074	JP	PDT application (skin surface)	2005/09/30	2005-288811	
T075	JP	Method of transdermally introducing siRNA	2005/09/29	2005-285427	
T076	JP	Iontophoresis device for delivering diagnostic drug	2005/12/22	2005-370130	
T078	JP	Iontophoresis device	2005/12/07	2005-353679	
T079	JP	Iontophoresis electrode structure and iontophoresis device for delivering drug agent included in liposome	2005/09/30	2005-288167	Joint ownership with Hokkaido University
T081	JP	Gene transfer in plants	2005/09/27	2005-280541	
T082	JP	Transdermal extraction device and iontophoresis system	2005/09/16	2005-270969	
T084	JP	Iontophoresis electrode structure and iontophoresis device having a shape memory separator	2005/09/30	2005-288618	
T087	JP	Iontophoresis device and active electrode unit	2005/11/18	2005-334314	
T088	JP	Method of administering a drug and drug delivery	2006/01/24	2006-014965	
T090	JP	Iontophoresis device and active electrode assembly unit	2005/09/30	2005-288692	
T092	JP	Clay-like iontophoresis device	2005/11/18	2005-333883	
T094	JP	Iontophoresis device that controls delivery dose and delivery period for tranquilizers and stimulants	2005/09/30	2005-287248	
T096	JP	Iontophoresis device that delivers identical drug agents while moving to different delivery positions	2005/09/16	2005-270357	
T097	JP	Iontophoresis device	2005/09/28	2005-283112	
T098	JP	Iontophoresis electrode structure and iontophoresis device having a liquid crystal switch separator	2006/10/04	2006-272665	
T099	JP	Iontophoresis device and method of manufacturing thereof	2006/02/02	2006-025908	

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
T100	JP	Iontophoresis device, ion-exchange membrane laminate and double polarity ion-exchange membrane	2006/10/02	2006-270224	
T104	JP	Iontophoresis device	2005/10/21	2005-307669	
T106	JP	Iontophoresis device	2006/03/09	2006-064369	
T107	JP	Iontophoresis device	2006/03/16	2006-073541	
T108	JP	Electrode assembly for Iontophoresis device	2006/03/31	2006-100697	
T109	JP	Iontophoresis device	2006/03/29	2006-092130	
T111	JP	Method of introducing an aromatic	2006/08/17	2006-222522	
T112	JP	Iontophoresis device	2006/03/31	2006-099170	
T114	JP	Iontophoresis device	2006/02/02	2006-025919	
T116	JP	Iontophoresis device	2005/12/26	2005-373139	
T118	JP	Packaged iontophoresis device	2005/12/09	2005-356431	
T119	JP	Reduced osmotic pressure iontophoresis electrode assembly	2006/02/01	2006-024492	
T120	JP	Iontophoresis device	2006/03/01	2006-055560	
T121	JP	Iontophoresis device and method of manufacturing thereof	2005/12/20	2005-367198	
T122	JP	Iontophoresis device	2006/08/03	2006-212200	
T123	JP	Iontophoresis device	2006/08/30	2006-233662	
T124	JP	Iontophoresis device	2006/03/10	2006-065959	
T125	JP	Iontophoresis device	2005/12/19	2005-365275	
T126	JP	Release liner	2006/03/01	2006-054858	
T127	JP	Cartridge Iontophoresis Device	2006/09/19	2006-253472	
T128	JP	Cartridge Iontophoresis Device	2006/01/31	2006-023464	
T132	JP	Iontophoresis device	2006/03/31	2006-100752	
T133	JP	Iontophoresis device	2006/03/31	2006-100753	
T134	JP	Iontophoresis device	2006/03/31	2006-100754	
T135	JP	Iontophoresis device	2006/01/25	2006-016376	
T136	JP	Iontophoresis device	2006/03/29	2006-092152	
T137	JP	Iontophoresis device	2006/03/15	2006-070445	
T138	JP	Iontophoresis device	2005/12/16	2005-363085	
T139	JP	Iontophoresis device and composition for iontophoretic delivery	2006/03/29	2006-092131	
T140	JP	Iontophoresis device	2006/03/31	2006-099955	
T141	JP	Iontophoresis device	2006/03/31	2006-100755	
T142	JP	Catheter iontophoresis device	2006/03/29	2006-092132	
T143	JP	Iontophoresis device and method of manufacturing thereof	2006/03/01	2006-054516	
T145	JP	Iontophoresis device	2006/03/10	2006-065964	
T147	JP	Iontophoresis device	2006/04/20	2006-116446	
T148	JP	Iontophoresis device	2006/03/28	2006-088024	
T149	JP	Iontophoresis device	2006/03/28	2006-088555	
T150	JP	Iontophoresis device	2006/04/18	2006-114554	
T151	JP	Iontophoresis system	2006/04/18	2006-114553	
T152	JP	Iontophoresis device	2006/03/31	2006-100875	
T154	JP	Iontophoresis electrode assembly having reduced osmotic pressure effect	2007/01/17	2007-007904	

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
T156	JP	Iontophoresis device	2006/03/14	2006-069244	
T157	JP	Iontophoresis device	2006/03/16	2006-073476	
T159	JP	Switch for intermittent transdermal delivery, transdermal absorption patch, and iontophoresis	2007/02/08	2007-029546	
T162	JP	Printed electrode and iontophoresis device	2007/01/12	2006-004837	
T163	JP	Electrode and iontophoresis device including electrode	2006/10/30	2006-294791	
T164	JP	Packaged iontophoresis device	2006/10/30	2006-294792	
T167	JP	Compound for use with hair follicle delivery iontophoresis device	2006/11/02	2006-299448	Joint ownership with Hokkaido University
T168	JP	Iontophoresis device	2006/02/27	2006-050805	
T170	JP	Iontophoresis device	2006/03/16	2006-073477	
T172	JP	Iontophoresis device and compound for iontophoretic delivery	2006/03/29	2006-092129	
T173	JP	Electric power unit for iontophoresis	2006/05/19	2006-140180	
T174	JP	Transdermal delivery device and method of controlling thereof	2006/04/26	2006-121895	
T175	JP	Iontophoresis implanted in false tooth	2006/10/10	2006-276548	
T176	JP	Iontophoresis device and method of operating iontophoresis device	2006/09/14	2006-248919	
T177	JP	Iontophoresis device	2006/06/26	2006-175662	
T178	JP	Method of doping active agent ions, processing method, and iontophoresis device manufacturing	2007/01/16	2007-007326	
T179	JP	Iontophoresis device and method of manufacturing thereof	2007/01/16	2007-007327	
T181	JP	Iontophoresis formulation including antioxidant component enclosed by liposome	2007/01/16	2007-007130	Joint ownership with Hokkaido University
T182	JP	Method and program for predicting active agent delivery amount	2007/01/16	2007-007328	Joint ownership with Hokkaido University
T183	JP	Liposome enclosed insulin agent for iontophoresis	2007/06/12	2007-155530	Joint ownership with Hokkaido University
D012	KR	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	10-2007-7013031	
T011	KR	Electrode and iontophoresis device	2005/10/28	10-2007-7011950	
T013	KR	Iontophoresis device	2005/11/28	10-2007-7012096	
T014	KR	Iontophoresis device	2005/12/06	10-2007-7012926	
T015	KR	Iontophoresis device	2006/02/02	10-2007-7017844	

Exhibit A

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
T017	KR	External preparation, method of applying external preparation, iontophoresis device, and percutaneous patch	2006/03/31	10-2007-7023856	
T010	MX	Iontophoresis device	2004/04/30	PA/a/2004/004153	
T010	NO	Iontophoresis device	2002/05/15	20041747	
D012	NZ	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	555246	
T011	NZ	Electrode and iontophoresis device	2005/10/28	554587	
T013	NZ	Iontophoresis device	2005/11/28	554977	
T014	NZ	Iontophoresis device	2005/12/06	555749	
T015	NZ	Iontophoresis device	2006/02/02	556031	
T010	PH	Iontophoresis device	2002/05/15	1-2004-500615	
T017	PH	External preparation, method of applying external preparation, iontophoresis device, and percutaneous patch	2006/03/31	1-2007-502246	
T010	PL	Iontophoresis device	2002/05/15	P-369236	
T011	RU	Electrode and iontophoresis device	2005/10/28	2007119711	
T013	RU	Iontophoresis device	2005/11/28	2007124599	
T014	RU	Iontophoresis device	2005/12/06	2007125700	
T015	RU	Iontophoresis device	2006/02/02	2007132913	
D012	SG	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	200703336-8	
T011	SG	Electrode and iontophoresis device	2005/10/28	200702954-9	
T013	SG	Iontophoresis device	2005/11/28	200703425-9	
T014	SG	Iontophoresis device	2005/12/06	200703949-8	
T010	SK	Iontophoresis device	2004/05/26	PP0231-2004	
T128	TH	Cartridge iontophoresis device	2007/08/01	0701003831	
T143	TH	Iontophoresis device and method of manufacturing thereof	2007/08/29	0701004331	
T123	TW	Iontophoresis device	2007/07/06	9641773	
D012	US	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	11/280,805	
D504	US	Iontophoresis apparatus and method for the diagnosis of tuberculosis	2006/09/28	11/540,491	
D505	US	Device and method for enhancing immune response by electrical stimulation	2006/12/28	11/617,606	
D507	US	Iontophoretic systems, and methods of delivery of active agents to biological	2006/12/29	11/618,558	
D508	US	Iontophoretic device and method of delivery of active agents to biological	2006/09/27	11/535,688	

Exhibit A

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
D509	US	Iontophoretic device and method of delivery of active agents to biological	2006/09/27	11/535,717	
D510	US	System and method for remote based control of an iontophoresis device	2006/12/28	11/617,609	
D514	US	Transdermal drug delivery systems, devices, and methods employing	2006/09/27	11/541,389	
D516	US	Method and system to detect malfunctions in an iontophoresis device that delivers active agents to biological interfaces	2006/09/25	11/534,972	
D519	US	Iontophoresis device to deliver multiple active agents to biological	2006/09/29	11/537,006	
D520	US	Synchronization apparatus and method for iontophoresis device to deliver active agents to biological interfaces	2006/09/19	11/533,260	
D522	US	Iontophoresis apparatus and method to deliver antibiotics to biological interfaces	2006/10/02	11/542,664	
D523	US	Iontophoresis apparatus and method for delivery of angiogenic factors to enhance healing of injured tissue	2006/09/29	11/540,934	
D526	US	Iontophoretic delivery of vesicle-encapsulated active agents	2006/09/28	11/540,949	
D527	US	Iontophoretic delivery of active agents conjugated to nanoparticles	2006/09/28	11/540,950	
D528	US	Handheld apparatus to deliver active agents to biological interfaces	2006/08/30	11/514,296	
D529	US	Electroosmotic pump apparatus and method deliver active agents to biological interfaces	2006/12/27	11/616,666	
D532	US	Transdermal drug delivery systems, devices, and methods employing novel pharmaceutical vehicles	2006/09/27	11/541,383	
D533	US	Controlled release membrane and methods of	2007/03/30	11/694,621	
D534	US	Delivery device having self-assembling dendritic polymers and method of use	2007/07/03	11/773,352	
D537	US	Impedance systems, devices, and methods for evaluating iontophoretic properties of compounds	2007/09/05	11/850,597	
D538	US	Iontophoresis device and method for operation with a USB (Universal Serial Bus) power source	2007/08/29	11/847,092	

Exhibit A

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
D540	US	Transdermal drug delivery systems, devices, and methods employing opioid agonist and/or opioid antagonist	2006/09/29	11/541,399	
D541	US	Transdermal drug delivery systems, devices, and methods using inductive power supplies	2007/09/05	11/850,600	
D543	US	Iontophoresis method and apparatus for systemic delivery of active agents	2006/09/29	11/540,504	
D545	US	Functionalized microneedles transdermal drug delivery systems, deices, and	2006/09/12	11/520,855	
D548	US	Systems, devices, and methods for powering and/or controlling transdermal delivery devices	2006/12/01	60/868,317	
D548	US	Systems, devices, and methods for powering and/or controlling transdermal delivery devices	2007/07/13	60/949,810	
T010	US	Iontophoresis device	2002/05/15	10/488,970	
T011	US	Electrode and iontophoresis device	2005/06/30	11/171,953	
T013	US	Iontophoresis device	2005/06/30	11/172,058	
T014	US	Iontophoresis device	2005/06/30	11/172,372	
T015	US	Iontophoresis device	2005/08/02	11/195,364	
T016	US	Iontophoresis device	2005/08/02	11/196,783	
T017	US	External preparation, method of applying external preparation, iontophoresis device, and percutaneous patch	2005/08/02	11/195,351	
T018	US	Iontophoresis device and method of producing the same	2006/06/20	11/471,973	
T022	US	Iontophoresis device controlling administration amount and administration period of plurality of drugs	2006/06/22	11/473,515	
T023	US	Iontophoresis device and method of controlling the same	2006/05/30	11/443,564	
T024	US	Iontophoresis device to deliver active agents to biological interfaces	2006/06/26	11/475,838	
T031	US	Iontophoresis device	2006/08/07	11/501,176	
T041	US	Iontophoresis device	2006/08/22	11/508,732	
T042	US	Iontophoresis device	2006/09/14	11/522,095	
T052	US	General purpose electrolyte composition for	2006/08/29	11/512,756	
T054	US	Method and device for managing medicament, and medicament injecting device	2006/08/18	11/506,404	
T058	US	Iontophoresis device	2006/08/18	11/506,598	

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
T060	US	Electrode assembly for iontophoresis for administering active agent enclosed in nano-particle and iontophoresis device using the same	2006/09/29	11/537,459	
T062	US	Capsule-type drug-releasing device and capsule-type drug-releasing	2006/09/28	11/536,194	
T065	US	Iontophoresis device	2006/09/14	11/522,496	
T066	US	Mucous membrane adhesion-type iontophoresis	2006/10/12	11/549,031	
T138	US	Iontophoresis device	2006/08/08	11/501,672	
T154	US	Iontophoresis electrode assembly having reduced osmotic pressure effect	2007/01/26	60/886,756	
T162	US	Printed electrode and iontophoresis device	2007/01/23	60/886,242	
T163	US	Electrode and iontophoresis device including electrode	2007/01/23	60/886,240	
T164	US	Packaged iontophoresis device	2007/01/23	60/886,236	
T167	US	Compound for use with hair follicle delivery iontophoresis device	2007/01/23	60/886,228	Joint ownership with Hokkaido University
T178	US	Method of doping active agent ions, processing method, and iontophoresis device manufacturing	2007/01/23	60/886,221	
T179	US	Iontophoresis device and method of manufacturing thereof	2007/01/23	60/886,217	
T181	US	Iontophoresis formulation including antioxidant component enclosed by liposome	2007/01/26	60/886,762	Joint ownership with Hokkaido University
T182	US	Method and program for predicting active agent delivery amount	2007/01/23	60/776,210	Joint ownership with Hokkaido University
T503	US	Iontophoresis apparatus and method to deliver active agents to biological interfaces	2006/09/14	11/532,049	
T550	US	Systems, devices, and method for transdermal delivery of active agents having beta-adrenoceptor activity	2007/05/18	60/938,961	
T550	US	Systems, devices, and method for transdermal delivery of active agents to a biological interface	2007/08/14	60/955,850	
T550	US	Systems, devices, and method for transdermal delivery of active agents to a biological interface	2007/08/20	60/956,895	
T550	US	Systems, devices, and method for transdermal delivery of active agents to a biological interface	2007/08/21	60/957,126	

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
T551	US	Iontophoresis electrode	2007/06/01	60/941,592	Joint ownership with Hokkaido University
D012	WO	Iontophoretic device and method for administering immune response-enhancing agents and compositions	2005/11/16	PCT/US2005/041717	
D504	WO	Iontophoresis apparatus and method for the diagnosis of tuberculosis	2006/09/28	PCT/US2006/038530	
D505	WO	Device and method for enhancing immune response by electrical stimulation	2006/12/28	PCT/US2006/049499	
D507	WO	Iontophoretic systems, and methods of delivery of active agents to biological	2006/12/29	PCT/US2006/049508	
D508	WO	Iontophoretic device and method of delivery of active agents to biological	2006/09/27	PCT/US2006/037570	
D509	WO	Iontophoretic device and method of delivery of active agents to biological	2006/09/27	PCT/US2006/037564	
D510	WO	System and method for remote based control of an iontophoresis device	2006/12/28	PCT/US2006/049498	
D514	WO	Transdermal drug delivery systems, devices, and methods employing	2006/09/27	PCT/US2006/037565	
D516	WO	Method and system to detect malfunctions in an iontophoresis device that delivers active agents to biological interfaces	2006/09/26	PCT/US2006/037557	
D519	WO	Iontophoresis device to deliver multiple active agents to biological	2006/09/29	PCT/US2006/038548	
D520	WO	Synchronization apparatus and method for iontophoresis device to deliver active agents to biological interfaces	2006/09/20	PCT/US2006/036737	
D522	WO	Iontophoresis apparatus and method to deliver antibiotics to biological interfaces	2006/10/02	PCT/US2006/038510	
D523	WO	Iontophoresis apparatus and method for delivery of angiogenic factors to enhance healing of injured tissue	2006/09/29	PCT/US2006/038317	
D526	WO	Iontophoretic delivery of vesicle-encapsulated active agents	2006/09/28	PCT/US2006/038112	
D527	WO	Iontophoretic delivery of active agents conjugated to nanoparticles	2006/09/28	PCT/US2006/038111	
D528	WO	Handheld apparatus to deliver active agents to biological interfaces	2006/09/21	PCT/US2006/036892	

Exhibit A

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
D529	WO	Electroosmotic pump apparatus and method deliver active agents to biological interfaces	2006/12/27	PCT/US2006/049361	
D532	WO	Transdermal drug delivery systems, devices, and methods employing novel pharmaceutical vehicles	2006/09/27	PCT/US2006/038099	
D533	WO	Controlled release membrane and methods of	2007/03/30	PCT/US2007/007944	
D534	WO	Delivery device having self-assembling dendritic polymers and method of use	2007/07/03	PCT/US2007/015402	
D540	WO	Transdermal drug delivery systems, devices, and methods employing opioid agonist and/or opioid antagonist	2006/09/29	PCT/US2006/038549	
D543	WO	Iontophoresis method and apparatus for systemic delivery of active agents	2006/09/29	PCT/US2006/038079	
D545	WO	Functionalized microneedles transdermal drug delivery systems, deices, and	2006/09/12	PCT/US2006/035695	
T010	WO	Iontophoresis device	2002/05/15	PCT/JP2002/04696	
T011	WO	Electrode and iontophoresis device	2005/10/28	PCT/JP2005/019909	
T013	WO	Iontophoresis device	2005/11/28	PCT/JP2005/021766	
T014	WO	Iontophoresis device	2005/12/06	PCT/JP2005/022395	
T015	WO	Iontophoresis device	2006/02/02	PCT/JP2006/301730	
T016	WO	Iontophoresis device	2006/03/22	PCT/JP2006/305747	
T017	WO	External preparation, method of applying external preparation, iontophoresis device, and percutaneous patch	2006/03/31	PCT/JP2006/306909	
T027	WO	Iontophoresis device	2006/08/01	PCT/JP2006/315190	
T031	WO	Iontophoresis device	2006/08/08	PCT/JP2006/315627	
T034	WO	Dry electrode structure for iontophoresis	2006/09/28	PCT/JP2006/319295	
T039	WO	Iontophoresis device	2006/08/07	PCT/JP2006/315584	
T041	WO	Iontophoresis device	2006/08/17	PCT/JP2006/316167	
T042	WO	Rod type iontophoresis device	2006/09/14	PCT/JP2006/318295	
T044	WO	Percutaneous absorption patch with application position indicating function, and iontophoresis device	2006/07/18	PCT/JP2006/314183	
T046	WO	Transdermal delivery device and method of controlling thereof	2006/08/04	PCT/JP2006/315530	
T047	WO	Iontophoresis device that selects drug to be delivered using sensor information	2006/08/29	PCT/JP2006/316933	
T050	WO	Frozen iontophoresis electrode assembly	2006/08/24	PCT/JP2006/316625	
T052	WO	General purpose electrolyte composition for iontophoresis	2006/08/29	PCT/JP2006/316934	

Exhibit A

PART II List of Patent Applications

No.	Country	Title of the invention	Filing date	Application number	Remarks
T053	WO	Iontophoresis device and power supply device for iontophoresis device	2006/09/13	PCT/JP2006/318174	
T054	WO	Method and device for managing medicament, and medicament injecting device	2006/08/17	PCT/JP2006/316168	
T058	WO	Iontophoresis device	2006/08/14	PCT/JP2006/316000	
T060	WO	Electrode assembly for iontophoresis for administering active agent enclosed in nano-particle and iontophoresis device using the same	2006/10/02	PCT/JP2006/319683	
T062	WO	Capsule-type drug-releasing device and capsule-type drug-releasing	2006/09/20	PCT/JP2006/318640	
T065	WO	Iontophoresis device	2006/09/11	PCT/JP2006/317972	
T066	WO	Mucous membrane adhesion-type iontophoresis	2006/10/12	PCT/JP2006/320368	
T069	WO	Iontophoresis device	2006/09/01	PCT/JP2006/317321	
T073	WO	PDT application (catheter)	2006/09/14	PCT/JP2006/318239	
T084	WO	Electrode structure for iontophoresis comprising shape memory separator and iontophoresis apparatus comprising the same	2006/10/02	PCT/JP2006/319684	
T094	WO	Iontophoresis apparatus capable of controlling dose and timing of administration of sleep inducer and analeptic agent	2006/10/02	PCT/JP2006/319685	
T108	WO	Electrode assembly for Iontophoresis device	2007/03/29	PCT/JP2007/056777	
T109	WO	Iontophoresis device	2007/03/29	PCT/JP2007/056806	
T118	WO	Packaged iontophoresis device	2006/12/04	PCT/JP2006/324182	
T123	WO	Iontophoresis device	2007/06/14	PCT/JP2007/062027	
T124	WO	Iontophoresis device	2006/05/09	PCT/JP2006/309292	
T128	WO	Cartridge Iontophoresis Device	2007/01/31	PCT/JP2007/051614	
T136	WO	Iontophoresis device	2007/03/29	PCT/JP2007/056813	
T138	WO	Iontophoresis device	2006/03/29	PCT/JP2006/306458	
T141	WO	Iontophoresis device	2007/03/29	PCT/JP2007/056977	
T142	WO	Catheter iontophoresis device	2007/03/29	PCT/JP2007/056776	
T143	WO	Iontophoresis device and method of manufacturing thereof	2007/02/28	PCT/JP2007/53730	
T147	WO	Iontophoresis device	2007/04/18	PCT/JP2007/058397	
T151	WO	Iontophoresis system	2007/04/17	PCT/JP2007/058362	
T503	WO	Iontophoresis apparatus and method to deliver active agents to biological interfaces	2006/09/14	PCT/US2006/036124	

Exhibit A

PART III Inventions

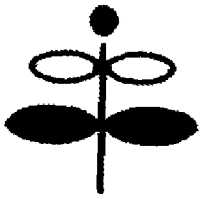
	R & D Report No.	Description of Invention
1	T188	Printed non-woven cloth containing electrode
2	T189	Introduction of competitive ions
3	T192	Method of promoting transdermal delivery
4	T193	Printed zinc electrode
5	T195	Benzalkonium chloride
6	T196	Ionic passive patch base material
7	T197	Propylene glycol

Exhibit A

PART IV (A) List of Trademarks

Docket Number	Country	Description of marks	Serial number	Registration number	Owner	Used as collateral
TT001 JP01	JP	[Mark 1]	No. 2005-006142	No. 4898461	TTI	No
TT003 JP01	JP	TCT	No. 2005-006144	No. 4898463	TTI	No
TT006 JP01	JP	Dharmaceutical	No. 2005-117009	No. 4986397	TTI	No
TT008 JP01	JP	TRANSCU	No. 2006-006807	No. 4988320	TTI	No
TT009 JP01	JP	[Mark 2]	No. 2006-006808	No. 4988321	TTI	No
1	JP	[Mark 3]	No. 2005-59826	No. 4981415	Ellebeau	No
2	JP	[Mark 4]	No. 2006-93108	No. 5043863	Ellebeau	No
3	JP	[Mark 5]	No. 2005-10212	No. 4995946	Ellebeau	No

Mark 1
Mark 2



Mark 3 Mineralore
ミネラルオーレ

Mark 4
Mark 5 electore
エレクトーレ

Exhibit 1

PART IV (B) List of Trademarks

Docket Number	Country	Description of marks	Serial number	Registration number	Owner
DT001 US01	US	TRANSPORTER GEL	78/921,109		TTI
DT002 US01	US	LOAD	77/005,392		TTI