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Stressgen Biotechnologies Corporation  Additional name(s) attached?   Yes  No	0747128 B.C. LTD #120-4243 Glanford Avenue
3. Nature of conveyance:	Victoria, British Columbia Canada V8Z 4B9 Additional names/addresses attached? ☐ Yes ❷ No
<ol> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed with a new application, the execution.</li> <li>A. Patent Application No(s).:</li> </ol>	on date of the application is:  B: Patent No(s).:  5,232,833; 5,464,750; 5,780,246; 5,807,690  attached? □ Yes 國 No
5. Name/address of party to whom correspondence concerning document should be malled:  LEE CREWS, PH.D.  Fish & Richardson P.C.	6. Total number of applications/patents involved: 4  7. Total fee (37 CFR §3.41): \$160
225 Franklin Street Boston, MA 02110	8. Deposit Account No.: 06-1050  Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
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Lee Crews, Ph.D.  Reg. No. 43,567  Name of Person Signlng	November 15, 2006
	Total number of pages including coversheet, attachments and document: 1

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November 15, 2006 Date of Transmission Stenature / WW

Suzanne C. O'Neill
Typed Name of Person Signing Certificate

PATENT

#### **ASSIGNMENT**

This Assignment is made by Stressgen Biotechnologies Corporation, a corporation formed pursuant to the laws of the Yukon Territory ("Assignor") and 0747128 B.C. LTD., a corporation incorporated pursuant to the laws of British Columbia ("Assignee"), having a place of business at #120 - 4243 Glanford Avenue, Victoria, BC Canada V8Z 4B9, effective as of March 23, 2006 (the "Effective Date").

WHEREAS, pursuant to an Asset Purchase Agreement (the "Asset Purchase Agreement") between Assignor and Assignee dated as of the Effective Date, Assignor transferred and assigned to Assignee, all right, title and interest in and to the entirety of Assignor's assets, including, without limitation, the patents and patent applications identified on the attached schedule by title, filing date and Serial Number;

WHEREAS, prior to the Effective Date, Assignor is the owner of said inventions, said applications and any patents that may be granted for said inventions in the United States and throughout the world (the "Patent Rights");

WHEREAS, the parties desire to have a recordable instrument assigning the entire right, title and interest in and to the Patent Rights;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and pursuant to the Asset Purchase Agreement, Assignor sells, assigns, and transfers to Assignee, the entire right, title, and interest in and to the Patent Rights.

Assignor agrees that, upon request and without further compensation, but at no expense to Assignor, Assignor and its legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patent Rights in the United States and throughout the world, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to the Patent Rights.

Assignor represents and warrants that it has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted from any patent application within the Patent Rights, whether on said applications or on any subsequently filed divisional, continuation, continuation-in-part and continued prosecution applications, and all reissues and reexaminations applications, and all foreign counterparts thereof, to Assignee, its successors and assigns, as the assignee of the entire interest in said inventions.

Executed this 23rd day of March, 2006.

STRESSGEN BIOTECHNAL DGIES

W/NY/N/N/// AI

WITNESSED BY:

Michael J. Brown

#### SCHEDULE OF PATENT RIGHTS

1. Title: Accumulation of Heat Shock Proteins for Evaluating Damage Due to Chronic Exposure of an Organism to Sublethal Levels of Stressors

Country	Serial No.	Filing Date	Status	Patent No	Issue Date
US	07/404,401	Sept. 12, 1989	Issued	5,232,633	Aug. 3,
US	07/764,015	Sept. 23, 1991	Issued	5,464,750	Nov. 7, 19 <u>95</u>
US	08/425,377	Apr. 20,	Issued	5,780,246	July 14, 1998
US	08/425,448	Apr. 20,	Issued	5,807,690	Sept 15, 1998
CA	611,374	Sept. 14, 1989	Issued	1,335,558	May 16, 1995

Inventors: Brenda M. Sanders, Kenneth D. Jenkins, Jack L. Nichols, Bryan E. Imber

2. Title: Immune Responses Using Compositions Comprising

Stress F Country	Serial No.	Filing Date	Status	Patent No	Issue Date
ÜS	08/977,787	Nov. 25, 1997	Pending		
US	10/782,548	Feb. 19, 2004	Pending		
AU	51120/98	Nov. 25, 1997	Issued	736,318	July 26, 2001
CA	2,272,536	Nov. 25, 1997	Pending		
ĘΡ	97945684.5 EP0941315	Nov. 25, 1997	Pending		
нк	00101484.1	Nov. 25, 1997	Pending		
JP	10-524081	Nov. 25, 1997	Pending		

Inventor: Lee Mizzen, Larry Anthony, Bill Wu and Marvin Siegel

3. Title: Immune Responses Against HPV Antigens Elicited by Compositions Comprising an HPV Antigen and a Stress Protein or an Expression Vector Capable of Expression of These Proteins

an Expres	ssion Vector C	apable of Ex	pression o	f These Prot	eins
Country	Serial No.	Filing Date	Status	Patent No	Issue Date
US	09/498,918	Mar. 20, 1998	Issued	6,524,825	Feb. 25, 2003
บร	10/289,760 20030148456	Nov. 7, 2002	Issued	6,900,035	May 31, 2005
ÜS	10/938,695	Sept. 10, 2004	Pending		
EP	98910557.2 EP1002110	Mar. 20, 1998	Issued	1,002,110 B1	Jan. 29, 2003
AT		Mar. 20,	Issued	1,002,110 B1	Jan. 29, 2003
BE		Mar. 20,	Issued	1,002,110 B1	Jan. 29, 2003
СН		Mar. 20, 1998	Issued	1,002,110 Bl	Jan. 29, 2003
DE		Mar. 20, 1998	Issued	1,002,110 B1	2003
DK		Mar. 20, 1998	Issued	1,002,110 B1	2003
ES		Mar. 20, 1998	Issued	1,002,110 B1	2003
FR		Mar. 20, 1998	Issued	1,002,110 B1	2003
GB		Mar. 20, 1998	Issued	1,002,110 B1	2003
GR		Mar. 20, 1998	Issued	1,002,110 B1	2003
IE		Mar. 20, 1998	Issued	1,002,110 Bl	2003
IT	<u> </u>	Mar. 20, 1998	Issued	1,002,110 B1	2003
LI		Mar. 20, 1998	Issued	1,002,110 B1	2003
LU		Mar. 20, 1998	Issued	1,002,110 Bl	2003
мС		Mar. 20, 1998	Issued	1,002,110 B1	2003
NL		Mar. 20, 1998	Issued	1,002,110 B1	2003
PT		Mar. 20, 1998	Issued	1,002,110 B1	2003
SE		Mar. 20,	Issued	1,002,110 B1	Jan. 29, 200 <u>3</u>

Country	Serial No.	Filing	Status	Patent No	Issue   Date
		Date	<u> </u>	1 000 130	· · · · · · · · · · · · · · · · · · ·
FI		Mar. 20, 1998	Issued	1,002,110 Bl	Jan. 29, 2003
EP	03001726.3 EP1336621	Mar. 20,	Pending		
AU	29279/02	Mar. 28, 2002	Issued	779770	June 9, 2005
AU	20052018882	Apr. 29, 2005	Pending		
BR	P19812272-0	Mar. 20,	Pending		
CA	2,298,840	Mar. 20,	Pending		
ÇN	98809121.6	Mar. 20, 1998	Pending		
CZ	PV422-2000	Mar. 20, 1998	Pending		
HU	P0003601	Mar. 20, 1998	Pending		
нқ	00107543.7	July 29, 2003	Issued	1028981	Nov. 7, 2003
HK	04101103.8 1058367A	Mar. 20, 1998	Pending		
IL	134,341	Mar. 20,	Pending		
JP	2000-50634	Mar. 20, 1998	Pending		
JP	2005-211965	July 21, 2005	Pending		
KR	10-2000- 7001231	Mar. 20,	Pending		
MX	0001299	Mar. 20,	Issued	224525	Nov. 29, 2004
NZ	502568	Mar. 20,	Issued	502568	May 12, 2003
NZ	522653	Nov. 19, 2002	Issued	522653	July 7, 2005
NZ	538399	Feb. 22, 2005	Pending		
PL	P-338478	Mar. 20, 1998	Pending		
SG	200000450-7	Mar. 20, 1998	Issued	70723	Apr. 30, 2002
VN	S20000175	Mar. 20,	Issued	4488	Aug. 9, 2004

Inventor:

Lee Mizzen, Randall Chu and Bill Wu

4. Title: Streptoccocal Heat Shock Proteins of the Hsp60

Family Country	Serial No.	Filing Date	Status	Patent No.	Issue Date
US	11/201,916	Aug. 11, 2005	Pending		
CA	2315880	Dec. 29, 1998	Pending		_
JP	2000-527654	Dec. 29, 1998	Pending		,

Inventor:

Lee Mizzen and Jan Wisniewski

5. Title: Heat Shock Genes and Proteins from Neisseria meningitidis, Candida glabrata and Aspergillus fumigatas

Country	Serial No.	Filing Date	Status	Patent No	Issue Date
ບຣ	09/207,388	Dec. 8, 1998	Issued	6,497,880	Dec. 24, 2002
US	10/269,557 20030099664	Oct. 11, 2002	Pending		
EP	99957790.1 EP1137770	Dec. 1, 1999	Pending		
CA	2,352,608	Dec. 1, 1999	Pending		<u>,                                      </u>

Inventor:

Jan Wisniewski

6. Title: Induction of a Th1-Like Response in Splenocytes by Fusion Proteins Comprising a Stress Protein Moiety

Country	Serial No.	Filing Date	Status	Patent No	Issue Date
US	09/613,303	Jul. 10, 2000	Issued	6,495,347	Dec. 17, 2002
US	10/267,311 20030050469	Oct. 9, 2002	Issued	6,657,055	Dec. 2, 2003
US	10/679,956	Oct. 6, 2003	Pending		
CA	2,378,097	Jul. 10, 2000	Pending		
CN	00811166.9	Jul. 10, 2000	Pending		
EP	00945300.2 EP1196772	Jul. 10, 2000	Pending		

Country	Serial No.	Filing Date	Status	Patent No	Issue Date
нк	02107513.1 No. 1048359	Jul. 10, 2000	Pending		1
JP	2001-509547	Jul. 10, 2000	Pending		\
SG	200108092-8	Jul. 10, 2000	Issued	86011	Feb. 28, 2005

Inventor:

Marvin Siegel, Randall Chu and Lee Mizzen

7. Title: Composition and Methods for the Detection of the Stress-Inducible HSP-70' Protein

Country	Serial No.	Filing Date	Status	Patent No	Issue Date
US	09/733,179 20030073160	Dec. 7, 2000	Issued	6,964,851	Nov. 15, 2005
US	11/089,878	Mar. 25, 2005	Pending.		
AU	20751/01	Dec. 7, 2000	Pending		
CA	2,393,589	Dec. 7, 2000	Pending		
ΕP	00984072.9 EP1244692	Dec. 7, 2000	Pending		
IL	PCT/US00/333	Dec. 7, 2000	Pending		<u> </u>
JΡ	2001-544300	Dec. 7, 2000	Pending		

Inventor:

Heather A. Boux, Geraldine S. Wong, Henry

Rodriguez

8. Title: Human Papilloma Virus Treatment

Country	Serial No.	Filing Date	Status	Patent No	Issue Date
US	10/365,908	Feb. 13, 2003	Issued	6.797,491	Sept. 28, 2004
US	10/871,138 2004/0235741	Jun. 18, 2004	Pending		
AU	200171449	Jun. 26, 2001	Pending	<u>,                                    </u>	
BR	PI0111956~7	Jun. 26, 2001	Pending		
CA	2,413,543	Jun. 26, 2001	Pending		

	Orașal No	Filing Date	Status	Patent No :	Issue Date
ountry	Serial No.	Jun. 26,	Pending		
N	01811772.4	2001			
IR	P20021015A	Jun. 26, 2001	Pending	<u> </u>	
Z	PV 2002-4154	Jun. 26, 2002	Pending		
EE	PCT/US01/202 40 P200200709	Jun. 26, 2001	Pending		
EP	01950461.2 EP1296711	Jun. 26, 2001	Pending		
HU	P301308	Jun. 26, 2001	Pending		
IN	IN/PCT/002/0 1894/MU	Jun. 26, 2001	Pending		
ID	PCT/US01/202 40	Jun. 26, 2001	Pending		
IL	PCT/US01/202 40	Jun. 26, 2001	Pending	<u> </u>	
JP	2002-505023	Jun. 26, 2001	Pending		
KR	2003025939	Jun. 26, 2001	Pending		
MX	PA/a/2002/01 2858	2001	Pending		
NZ	523408	Jun. 26, 2001	Pending		
NO	200206044	Jun. 26, 2001	Pending		
PL	PCT/US01/202	Jun. 26, 2001	Pending		
RU	2003101965	Jun. 26, 2001	Pending		
SG	200207606-5	Jun. 26, 2001	Issued	93689	Dec::30, 2004
SK	1836-2002	Jun. 26, 2001	Pending		
ZA	PCT/US01/202	Jun. 26, 2001	Issued	2002/1021	May 26, 2004

Inventor: John Neefe, Stephen Goldstone, Mark Winnett, Marvin Siegel and Leslie Boux

ountry	le: Hepatiti Serial No.	Filing	Status	Patent	Issue
•	<u> </u>	Date		No	Date
US EP	10/068,059	Feb. 5,		6,921,5	July 26,
	20020155434	2002	Issued	34	2005
	10/941,049	Sept. 14,	Pending		
	20050152917	2004			
	02714842.8	Feb 5,	Pending		
	EP1357940	2002			
AU	2002247084	Feb 5,	Pending	_{	Ĭ.
	2002	2002	<u> </u>		<u> </u>
BR	PI0206995-4	Feb 5,	Pending	1	
		2002			
CA	2,437,503	Feb 5,	Pending	1	
	12,.0.,	2002			<u> </u>
CN	02804576.9	Feb 5,	Pending		
	CN1491116A	2002	]		
нK	04105433.0	July 22,	Pending		1
	1062579A	2004			
ID	W-	Feb 5,	Pending		
	00200301720	2002			_
IL	157251	Feb 5,	Pending		
	<u> </u>	2002	<u></u>		
IN	PCT/US02/034	Feb 5,	Pending		
	60	2002			
JP	2002-563296	Feb 5,	Pending		
	2002	2002	<u>.,</u>		
KR	10-2003-	Feb 5,	Pending	l l	
	7010313	2002			
MX	PA/a/2003/00	Feb 5,	Pending	ļ	1
	6971	2002			
NZ	527664	Feb 5,	Pending	1	
	\	2002			
PH	2003-500689	Feb 5,	Pending		i
		2002			
PL	PCT/US02/034	Feb 5,	Pending	1	\
	60	2002			
RU	2003127021	Feb 5,	Pending		
		2002			
SG	200305539-9	Feb 5,	Pending	1	
		2002			
VN	1-2003-00760		Pending		
		2002			
ZA	2003/6040	Feb 5,		2003/	
		2002	Issued	040	2005

Inventor: Lee Mizzen, Hongwei Liu and Marvin Siegel

Attorney's Docket No.: 12071-001001

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Attached to this facsimile communication cover sheet is a Recordation Form Cover Sheet and Assignment, faxed this 15th day of November, 2006, to Mail Stop Assignment Recordation Services, U.S. Patent and Trademark Office.

Date: November 15, 2006

Respectfully submitted,

e Crews, Ph.D. Reg. No.\43,567

PTO Customer No. Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110 Telephone: (617) 542-5070

Fax: (617) 542-8906

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