## RECORDATION FORM COVER SHEET

		PATENTS OF	<u></u>							
To The Honorable Commissioner of	Patents	and Trademarks. Please re	cord the attached	original docum	ents or copy thereof					
Name of conveying party(ies):			2. Name and a	ddress of receivi	ng party(ies):					
APLN, LLC, as successor by merger to Apollon, In First Assignor	nc.	September 1, 2004 Date of Execution	Name: The General Hospital Corporation, d/b/a The Massachusetts General Hospital Street Address: 149 13 <sup>th</sup> Street							
Second Assignor I	Date of I	Execution	City: Charlestown							
Third Assignor I	Date of l	Execution	State: Massachusetts ZIP 02129  Additional name(s) & address attached?   YES NO  Nature of Conveyance (check only one):							
		Execution	New Assignment							
Additional name(s) of conveying party(1cs) सा	manued: 1	·								
4 Identification of Application nutr	nber(s).	natent number(s) OR date	of execution of a	plication to whi	ch assignment refers:					
Application Nos.		Patent Nos.:			n was signed by the first					
08/318,248 08/467,859 09/667,940 09/788,934		6,025,341 6,235,888	·	(Fill-ın thıs dat	e only if assignment is filed new application)					
<ol> <li>Name and address of party to wh documents should be mailed.</li> </ol>	om con	respondence concerning	6. Total number of applications and patents involved: 6							
Name: John W. Caldwell WOODCOCK WASHBURN LLP One Liberty Place - 46th Floor Philadelphia, Pennsylvania 19103-	7301		7. Total fee (37 CFR 3.41): \$240.00  Enclosed  Authorized to be charged to Deposit Account Number 23-3050							
215-568-3100			Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050							
		DO NOT USE TH	IIS SPACE							
9 Statement and signature.  To the best of my knowledge and b original document.  John W. Caldwell/28,937  Name of Person Signing/Reg. No.	elief, th	ne foregoing information is Signan	willed	and any attach	ed copy is a true copy of the					
Total num	aber of p	pages including cover sheet	, assignment doc	ument and additi	onal pages attached thereto: 5					
Mail documents to be recorded with require	ed cover s	heet information to:  Mail Stop Assignment Re	cordation Services							

700116814

Mail Stop Assignment Recordation Services
Commissioner for Patents

P O. Box 1450 Alexandria, VA 22313-1450 **PATENT** 

REEL: 015156 FRAME: 0803

10:08am

DOCKET NO.: MGH-0001

## ASSIGNMENT

WHEREAS, APLN, LLC, a Delaware Limited Liability Company, as successor by merger to Apollon, Inc., hereinafter referred to as the ASSIGNOR,

having its principal place of business at 1735 Market Street, 51st Floor, Philadelphia, PA 19103, is the owner of certain inventions or improvements for which applications for Letters Patent have been made or for which Letters Patent have been issued, all of which are listed on Attachment A hereto (hereafter Patent Property); and

WHEREAS, The General Hospital Corporation d/b/a The Massachusetts General Hospital, hereinafter referred to as the ASSIGNEE, a noprofit organization of Massachusetts, having its principal place of business at 149 13th Street, Charlestown, Massachusetts 02129 is desirous of acquiring the entire right, title and interest in and to the said Patent Property in any and all countries;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over to said ASSIGNEE, the entire right, title and interest in and to said Patent Property and any and all continuations, divisions and renewals of and substitutes for said Parent Property and to and under any and all additional Letters Parent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Leners Patent, and the full right to sue for and recover damages recoverable for past infringement of the same, and for violations of provisional rights having arisen from any published application(s) for said Patent Property. ASSIGNOR further assigns to and authorizes said ASSIGNEE to file corresponding applications for Letters Patent in all countries, to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, sale and transfer not been made.

It is hereby covenanted that ASSIGNOR has full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith, and ASSIGNOR further covenants and agrees that it will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said Patent Property in said assignee, its successors, assigns, nominees, or legal representatives, and ASSIGNOR agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said Patent Property, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything reasonably possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said ASSIGNEE, its successors, assigns, nominees or legal representatives.

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PLN, LLC as Successor to APOLLON, Inc.

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AND 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 on applications as aforesaid, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for said Patent Property, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any applications included in said Patent Property, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, the undersigned, being properly authorized to execute this Assignment, hereunto sets their hand and seal.

	Date: 1 September 2004
STATE OF Pennsylvania	SS
COUNTY OF Man townery:	ember, year of 2007, before me, the
undersigned officer, personally appear acknowledged himself therself to be the	ed James C. Marphy , who
the purposes therein contained by sign	orized to do so, executed the foregoing instrument for ting the manuscript the corporation to the motion of the corporation to the motion of the corporation to the corporation to the corporation of the corporation to the corporation of the c
Manager	Joseph F. Aceto, Notary Public Bryn Athen Twp., Monigomery County And Commission Expires Mar. 29, 2008
	Notary Public

10:09am

P.05/06

## ATTACHMENT A

DOCKET NO.: MGH-0001

	Title	Hepatitis C. Virus Vaccine	Chimeric Hepatitis	B/Hepatitis C Virus Vaccine	Hepatitis Virus Vaccine	Hepatitis Virus Vaccine	Hepatitis Virus Vaccine	Hepatitis Virus Vaccine	Hepatitis Virus Vaccine	Hepatifis Virus Vaccine	Hepatitis Virus Vaccine	Hepatitis Virus Vaccine	Hepatitis Virus Vaccine	Chimeric Hepatitis	B/Hepatitis C Virus Vaccine	Hepatitis C Virus DNA	Hepatitis Virus Vaccine	Hepatitis C Virus Vaccine	Hepatitis C Virus Vaccine	Hepatitis Virus Vaccine		
	Grant Date T	05 October 1994  Abandoned		Not Applicable H	Not yet granfed H	20 May 1999 H			ıted		2000	20			22 May 2001 H	22		Not yet granted I				
	Patent No.		Abandoned		Not Applicable	Not yet granted	701747	Not yet granted	Not yet granted	Not yet granted	Abandoned	296304	2189254	6.025.341		6,235,888	741876	Abandoned	Not yet granted	Not yet granted		(
	Filing Date	0	06 June 1995		05 October 1995	12 May 1997	· · · · · · · · · · · · · · · · · · ·	05 June 1997	11 March 1999	22 September 2000	11 May 2001	07 May 2002										
	Application No.		08/467 859	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	PCT/US95/13552	P9801385			0.1	512752/96	702232/1997	FUE966	07107000	08/85/431	100,000 100	08/869 380	00/98506	00/667 940	00/788 934	22986/02		
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		Eur Kelerence	MGH-002/	8700-H5	2/2	<b>6</b> 1011-0027	##IGH-0050	MGH-0033	MCH 0033	OSOO TON	MUTI-0050	MGH-0031	MGH-0052	MGH-0053	9500-H9W	E 200	/C00-H9W	SCH-0028	HWCH-0004	9900-H9W	PATENT 15156 FRAME: 0806	ò