RECORDATION

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IRTMENT OF COMMERCE Patent and Trademark Office

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FORM PTO-1595 U.S. (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)

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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name of conveying party(ies): Name and address of receiving party(ies) David T. Scadden and Mark C. Poznansky Name: The General Hospital Corporation Additional name(s) of conveying party(ies) attached? [] Yes [X] No Internal Address: Nature of conveyance: [X] Assignment [] Merger Street Address: Fruit Street [] Security Agreement [] Change of Name [] Other Boston, Massachusetts 02114 July 20, 2000 and July 6, 2000 Execution Date: Additional name(s) & addresses(es) attached? [] Yes [x] No 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) B. Patent No.(s) 09/574,749 Additional numbers attached? [] Yes [] No Name and address of party to whom correspondence 6. Total number of applications and patents involved: one Concerning document should be mailed: Edward R. Gates 7. Total fee (37 CFR 3.41) \$40.00 Address: WOLF, GREENFIELD & SACKS, P.C. Federal Reserve Plaza [X] Enclosed 600 Atlantic Avenue [] Authorized to be charged to deposit account Boston, MA 02210 The Commissioner is authorized to charge: 8. Deposit Account No: 23/2825 DO NOT USE THIS SPACE 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. Edward R. Gates (Reg. No. 31,616) Name of Person Signing

> Mail documents to be recorded with required cover sheet information to: Box Assignment, Commissioner of Patents and Trademarks.

Total number of pages including cover sheet, attachments, and document: 5

Washington, D.C. 20231

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PATENT REEL: 011011 FRAME: 0312

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned **David T. Scadden**, 62 Lexington Street, Weston, MA 02498 and **Mark C. Poznansky**, 16 Monument Street, Charlestown, MA 02129 hereby

Sell, assign and transfer to The General Hospital Corporation, a California corporation having a place of business at Fruit Street, Boston, MA 02114, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on May 18, 2000 with a Serial No. 09/574,749 and entitled LYMPHOID TISSUE-SPECIFIC CELL PRODUCTION FORM HEMATOPOIETIC PROGENITOR CELLS IN THREE-DIMENSIONAL DEVICES, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

We agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

We covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

7/20/00	all and
Date	David T. Scadden
STATE OF MASSAINUSTS:	
COUNTY OF SUFFOIR	:
Subscribed and sworn to before me this	20 Th day of July, 2000.
SEAL Jan N. Male Notary Pu	ablic
My Commission Expires 1/84	1/2003

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PATENT REEL: 011011 FRAME: 0313

July 6, 2000 Date	Mark C. 1	Poznarsky	7/6/02
STATE OF MA. :	/ /	8	
COUNTY OF SUFFOLK	<u>_</u> :		
Subscribed and sworn to before me this	day of	JULY,	2000
SEAL Rolux Underwood Notary Public).		
My Commission Expires	_		

ROBERT U. JOHNSON JR.

Notary Public

My Commission Express Oct. 11, 2002

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RECORDED: 07/28/2000

PATENT REEL: 011011 FRAME: 0314