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TO THE ASSISTANT COMMISSIONER FOR PATENTS: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

Helisys, Inc.

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party(ies):

Name: Walter W. Cruttenden, III

Internal Address:

Street Address: 4600 Campus Drive

City: Newport Beach State: CA ZIP: 92660

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (x) Assignment  
( ) Merger  
( ) Security Agreement  
( ) Change of Name  
( ) Other:

4. Patent numbers:

Patent No.: 4,752,352 Issued: 6/21/88  
Patent No.: 5,354,414 Issued: 10/11/94  
Patent No.: 5,730,817 Issued: 3/24/98  
Patent No.: 5,637,175 Issued: 6/10/97  
Patent No.: 5,876,550 Issued: 3/2/99

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) both **December 5, 2000**

Additional numbers attached? () Yes (x) No

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

Name: William H. Nieman  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

Internal Address: Sixteenth Floor  
Street Address: 620 Newport Center Drive  
City: Newport Beach State: CA ZIP: 92660  
Attorney's Docket No.: HELSYS.030LIC

7. Total fee (37 CFR 3.41): \$200

- (X) Enclosed  
( ) Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 5

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.

William H. Nieman  
Name of Person Signing

Signature

Date

12-18-00

30,201  
Registration No.

Total number of pages including cover sheet, attachments and document: 9

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

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

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121500

## PATENT ASSIGNMENT

### ISSUED PATENTS AND PENDING APPLICATIONS

WHEREAS, **HELISYS, INC.**, a Delaware corporation, having a place of business at 1000 East Dominquez Street, Carson, CA 90746-3608 ("Assignor"), is the owner of all rights in certain United States patents and applications which are described in detail in Schedules A and B incorporated in this Assignment and certain foreign patents and foreign patent applications which are described in detail in Schedules C and D in this Assignment; and

WHEREAS, **Walter W. Cruttenden, III**, an individual, with a mailing address of c/o Cruttenden Partners, LLC, 4600 Campus Drive, Newport Beach, CA 92660 ("Assignee"), is desirous of obtaining the entire right, title, and interest in, to and under the aforesaid patents and applications:

1. NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over unto Assignee, all of the patents and applications described in the aforesaid schedules, for his own use and benefit, and for the use and benefit of his successors, legal representatives, and assigns, including:

a. the entire right, title, and interest in and to the United States patents and applications as listed in Schedules A and B annexed hereto and made a part hereof, including all divisionals, continuations and continuations-in-part thereof, all patent applications claiming priority therefrom, and all patents which may be granted thereon, all rights of priority therein, all reissues and re-examinations and extensions thereof, and in and to the inventions disclosed therein;

b. the entire right, title, and interest in and to foreign patents and applications as listed in Schedules C and D annexed hereto and made a part hereof, including all divisionals, continuations and continuations-in-part thereof, and all patents of any country which may be granted thereon and reissues, renewals and extensions thereof, all rights of priority therein, and all applications for industrial property protection, which may hereafter be filed that correspond to the existing patents or applications in Schedules A, B, C or D, including without limitation, all applications for patents, utility models, and designs; together with the right to file such applications and the right to claim priority from prior applications under the patent laws of the United States or other countries under the International Agreement 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, applications, utility models, inventors' certificates, and designs which may be granted for said patents, and all extensions, renewals and reissues thereof; and

c. the entire right, title and interest in all claims for damages and all remedies arising out of any violation or infringement of any issued patent identified on Schedule A or Schedule C hereto or of any patent granted in connection with the application listed on Schedule B or Schedule D, that may have occurred before the date hereof;

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 or other evidence or forms of industrial property protection on application as aforesaid, to issue the same to Assignee in accordance with the terms of this instrument;

AND ASSIGNOR HEREBY further covenants and agrees that it will execute further assignments for recordation of the conveyances recited herein as appropriate under the laws of the applicable country.

IN WITNESS WHEREOF, Assignor and Assignee have executed this Assignment this 5 day of December, 2000.

ASSIGNOR:

HELISYS, INC.

By: [Signature]  
John Chan, Vice President

ASSIGNEE:

[Signature]  
Walter W. Cruttenden, III

STATE OF Calif )  
COUNTY OF ORANGE )

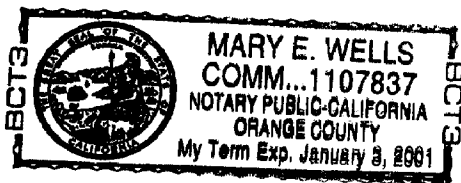
On Dec 5, 2000, before me, MARY E. WELLS, personally appeared **John Chan**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]  
Notary Public

[SEAL]

Expiration Date: JAN 03, 2001



STATE OF Calif )  
 )  
COUNTY OF ORANGE )

On Dec 5 2000, before me, MARY E WELLS, personally appeared Walter W. Cruttenden, III, ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

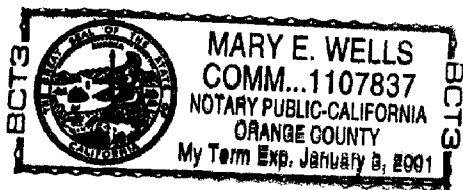
WITNESS my hand and official seal.

Mary E Wells  
Notary Public

[SEAL]

Expiration Date: JAN 03, 2001

WHN-2779.DOC:cb  
112000



## SCHEDULE A

### UNITED STATES PATENTS

DOCKET NO.	TITLE	PATENT NO.	ISSUE DATE
HELSYS.001A	Apparatus and Method For Forming an Integral Object From Laminations	4,752,352	6/21/88
HELSYS.002A	Apparatus and Method For Forming an Integral Object Fom Laminations	5,354,414	10/11/94
HELSYS.003A	Laminated Object Manufacturing System	5,730,817	3/24/98
HELSYS.004CP1	Apparatus For Forming an Integral Object From Laminations	5,637,175	6/10/97
HELSYS.004CP2	Laminated Object Manufacturing Apparatus and Method	5,876,550	3/2/99

**SCHEDULE B**

**PENDING U.S. PATENT APPLICATIONS**

**NONE**

## SCHEDULE C

### FOREIGN PATENTS

DOCKET NO.	TITLE	COUNTRY	PATENT NO.	ISSUE DATE
HELSYS.001QHK	Apparatus and Method For Forming an Integral Object From Laminations	Hong Kong	1737/1995	11/9/95
HELSYS.001QJP	Apparatus and Method For Forming an Integral Object From Laminations	Japan	2517338	4/30/96
HELSYS.001QSG	Apparatus and Method For Forming an Integral Object From Laminations	Singapore	P9591055-0	12/15/95



## SCHEDULE D

### FOREIGN PATENT APPLICATIONS

DOCKET NO.	TITLE	COUNTRY	APPLICATION NO.	FILED
HELSYS.003VEP	Laminated Object Manufacturing System	Europe	97922361.7	4/21/97

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