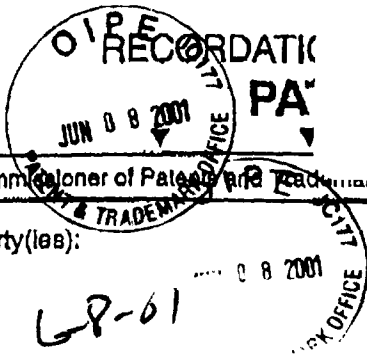


06-14-2001

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office



101749358

Tab settings

To the Honorable Commissioner of Patents and Trademarks, documents or copy thereof.

1. Name of conveying party(ies):

Arcaris, Inc.

LP-01

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Deltagen, Inc.

Internal Address:

Street Address: 1003 Hamilton Avenue

City: Menlo Park State: CA ZIP: 94025

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: May 31, 2001

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)

See attached

B. Patent No.(s)

- 6,060,240 5,998,036 5,955,275 6,065,485

Additional numbers attached? Yes No

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

Name: Scott M. Porter

Internal Address: Orrick, Herrington & Sutcliffe LLP

Street Address: 400 Sansome Street

City: San Francisco State: CA ZIP: 94111

6. Total number of applications and patents involved: 32

7. Total fee (37 CFR 3.41).....\$ 1280.00

- Enclosed Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

06/13/2001 TDIAZ1 00000076 6060240

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.

Scott M. Porter Name of Person Signing

[Signature] Signature

June 1, 2001

Date

Total number of pages including cover sheet, attachments, and document: 11

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

USSN 09/252,204
PCT US97/14514
USSN 09/329,747
USSN 09,336,107
PCT US97/23173
USSN 08/800,664
USSN 09/378,420
PCT US98/02758
USSN 09/320,080
USSN 09/394,470
PCT US98/04376
USSN 09/269,006
PCT US 98/23778
USSN 09/193,759
USSN 09/807,245
USSN _____ (Filed 5/25/01)
PCT US99/27409
USSN 09/251,364
USSN 09/350,419
USSN 09/506,211
PCT US00/04089
USSN 09/259,155
USSN 60/253,333
USSN _____ (VEN008/00P2)
USSN 09/504,132
PCT US01/ _____ (Serial No. not received)
USSN 60/253,325
USSN 60/249,468

GRANT OF SECURITY INTEREST

TRADEMARKS AND PATENTS

THIS GRANT OF SECURITY INTEREST, dated as of May 31, 2001, is executed by ARCARIS, INC., a Delaware corporation ("Borrower"), in favor of DELTAGEN, INC. ("Lender").

A. Pursuant to a Loan and Security Agreement, dated as of May 31, 2001 (as amended from time to time, the "Loan and Security Agreement"), between Borrower and Lender, Lender has agreed to extend certain credit facilities to Borrower upon the terms and subject to the conditions set forth therein.

B. Borrower has adopted, used and is using the trademarks, more particularly described on Schedules 1-A and 1-B annexed hereto and made a part hereof, which trademarks are registered or subject to an application for registration in the United States Patent and Trademark Office (collectively, the "Trademarks").

C. Borrower owns the letters patent, and/or applications for letters patent, of the United States and certain foreign countries, more particularly described on Schedules 1-C and 1-D annexed hereto and made a part hereof (collectively, the "Patents").

D. Pursuant to the Security Agreement, Borrower has granted to Lender a security interest in all right, title and interest of Borrower in and to the Trademarks, together with the goodwill of the business symbolized by the Trademarks and the customer lists and records related to the Trademarks and the applications and registrations thereof, all right, title and interest of Borrower in and to the Patents, together with any reissue, continuation, continuation-in-part or extension thereof and all proceeds thereof, including any and all causes of action which may exist by reason of infringement thereof (the "Collateral"), to secure the payment, performance and observance of the Obligations, as defined in the Security Agreement.


NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Borrower does hereby further grant to Lender a security interest in the Collateral to secure the prompt payment, performance and observance of the Obligations.

Borrower does hereby further acknowledge and affirm that the rights and remedies of Lender with respect to the security interest in the Collateral granted hereby are more fully set forth in the Loan and Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

Lender's address is:
Deltagen, Inc.
1003 Hamilton Avenue
Menlo Park, CA 94025
Attn: Richard S. Hawkins
Telephone: (650) 289-1073
Telecopier: (650) 752-0220

IN WITNESS WHEREOF, Borrower has caused this Agreement to be executed as of the day and year first above written.

ARCARIS, INC.

By: 
Name: ALEXANDER KAMB
Title: CEO

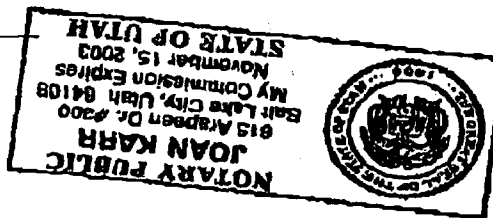
STATE OF UTAH)
)
COUNTY OF SALT LAKE)

On MAY, 31, 2001
before me, JOAN KARR, personally appeared
Alexander Kamb

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in her/his/their authorized capacity(ies), and that by his/her/their signature(s) on such instrument the person or entity on behalf of which the person(s) acted executed the instrument.

WITNESS my hand and official seal.

Signature Joan Karr



(Seal)

DOCSSFI:535531.3
10815-8 SP2

SCHEDULE 1-A TO GRANT OF SECURITY INTEREST

TRADEMARKS

Arcaris (name)

- Class 5 App. No. 75,611,147
STATUS: REGISTERED (2,409,339)
- Class 42 App. No. 75/611,146
STATUS: ALLOWED

Archer (logo)

- Class 5 App. No. 75,728,834
STATUS: REGISTERED (2,397,415)
- Class 42 App. No. 75/726,490
STATUS: ALLOWED

Reach Real Targets

- Class 5 App. No. 75/726,524
STATUS: REGISTERED (2,397,402)

SCHEDULE 1-B TO GRANT OF SECURITY INTEREST

TRADEMARK APPLICATIONS

<u>Mark</u>	<u>Application Date</u>	<u>Application No.</u>
Perturbagen <ul style="list-style-type: none">• <u>Class 5</u>	STATUS: PENDING	76/058,028
TransFACS <ul style="list-style-type: none">• <u>Class 5</u>	STATUS: PENDING	76/058,423

SCHEDULE 1-C TO GRANT OF SECURITY INTEREST

PATENTS

	<u>ARCARIS PATENTS</u>	
Patent application	Status	Comments
USSN 08/669,266	Issued	US No. 5,998,136
USSN 08/812,994	Issued	US No. 5,955,275
USSN 08/965,477	Issued	US No. 6,065,485
USSN 08/764,191	Issued	US No. 6,060,240

SCHEDULE 1-D TO GRANT OF SECURITY INTEREST

PATENT APPLICATIONS

<u>Title</u>	<u>Jurisdiction</u>	<u>Application Date</u>	<u>Application No.</u>
	<u>ARCARIS PATENTS</u>		
Patent application		Status	Comments
USSN 09/252,204		Pending	
PCT US97/14514		Pending	Now in National Phase
Canada 2,263,744		Pending	
Europe 97938391.6		Pending	
Hong Kong 00103044.0		Pending	
USSN 09/329,747		Pending	
USSN 09,336,107		Pending	
PCT US97/23173		Pending	Now in National Phase
Canada 2,275,549		Pending	
Europe 97/952461.8		Pending	
Hong Kong 00102179.9		Pending	
USSN 08/800,664		Pending	
USSN 09/378,420		Pending	
PCT US98/02758		Pending	Now in National Phase
Canada 2/281,016		Pending	

Europe 98/906378.9	Pending	
Hong Kong _____		Not yet registered
USSN 09/320,080	Pending	
USSN 09/394,470	Pending	
PCT US98/04376	Pending	
Japan 10-538833	Pending	
Norway 199-4290	Pending	
Canada 2,283,261	Pending	
Europe 98/911,497.0	Pending	
Hong Kong _____		Not yet registered
Australia 65438/98	Pending	
USSN 09/269,006	Pending	
PCT US 98/23778	Pending	Now in National Phase
Europe 98/959,391.8	Pending	
Canada 2,309,543	Pending	
Japan 2000-519-609	Pending	
Norway 2000-2375	Pending	
Australia 15200/99	Pending	
Israel 135962	Pending	
Hong Kong 01100979.4	Pending	

USSN 09/193,759	Pending	
USSN 09/807,245	Pending	Entry into US National Phase
USSN _____	Pending	Filed 5/25/01
PCT US99/27409	Pending	Now in National Phase
Taiwan 88120037	Pending	
European 99961711.1	Pending	
Canada 2,329,016	Pending	
Japan _____	Pending	Serial number not yet rec'd
Norway _____	Pending	Serial number not yet rec'd
Australia _____	Pending	Serial number not yet rec'd
Israel _____	Pending	Serial number not yet rec'd
Hong Kong _____		Not yet registered
USSN 09/251,364	Pending	
USSN 09/350,419	Pending	
USSN 09/506,211	Pending	
PCT US00/04089	Pending	
Taiwan 89102708	Pending	
Canada 2329016	Pending	
Australia 34945/00	Pending	
Japan 2000-600107	Pending	
European 00913507.0	Pending	
Hong Kong _____		Not yet registered

USSN 09/259,155	Pending	
USSN 60/253,333	Pending	
USSN _____ VEN008/00P2	Pending	Serial number not yet rec'd
USSN 09/504,132	Pending	
PCT US01/_____	Pending	Serial number not yet rec'd
60/253,325	Pending	
60/249,468	Pending	