From-HBS&R

RECORDATION FORM COVER SHEET				
	NTS ONLY Docket No.: 3194.1025-009			
To the Director of the U.S. Patent and Trademark Office: 1	Please record the attached documents or the new address(es) below.			
l Name of conveying party(ies)/Execution Date(s)	2 Name and address of receiving party(ies)			
1) DANIEL ALVAREZ, JR.	Name MYKROLIS CORPORATION			
2) JEFFREY J. SPIEGELMAN 3) RUSSELL J. HOLMES	Internal Address			
Execution 1) 06-07-05 2) 05-31-05 Date: 3)05-31-05				
Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No	Street Address: 129 CONCORD ROAD			
3. Nature of conveyance.				
[X] Assignment [] Merger	City. BILLERICA			
[ ] Security Agreement [ ] Change of Name	State MASSACHUSETTS			
[] Other	Country: 2.ip: 01821			
	Additional name(s) & address(es) attached? [ ] Yes [ X ] No			
A. Patent Application No.(s) 10/531,512  Additional numbers a	B. Parent No.(s)  strached? [ ] Yes [ X ] No			
Name and address of party to whom correspondence concerning document should be mailed:				
Name: ALICE O. CARROLL, ESQ.	7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40			
Internal Address	[ ] Enclosed			
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.	[X] Authorization to charge deposit account number 08-0380			
Street Address: 530 VIRGINIA ROAD, P.O. BOX 9133	[ ] Previously submitted - Doc ID No. [ ]			
City: CONCORD State: MA ZIP 01742-9133	[X] Authorized to charge any deficiencies or credit any overpayment to deposit account number 08-0380			
Phone No. 978-341-0036 Fax No. 978-341-0136	Do not attach a copy of this page if paying by deposit account and filing via facsimile.			
Email AddressALICE.CARROLL@HBSR.COM	Attach a copy of this page if paying by deposit account and filing via mail.			
8. CHARLTON SHEN	to le 21 June 2005			
Name of Person Signing	Signature Date			
Total number of pages including cover sheer, attachments, and documents: [7]				

Jun-21-05 05:05pm From-HBS&R 1978-341-0136 T-755 P.03/08 F-190

Docket No. 3194.1025-009 (Mykrolis Ref. No.: 200300127)

<u>Joint</u>

## ASSIGNMENT

WHEREAS, we, Daniel Alvarez, Jr., Jeffrey J. Spiegelman and Russell J. Holmes, have invented a certain improvement in METHOD FOR PURIFYING CARBON DIOXIDE described in an application for Patent,

[ ]	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);	
[ ]	is about to be filed in the United States Patent Office as a Provisional Application	
[]	the specification of which is United States Application No. [ ], filed [ ];	
[X]	the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US03/33006, filed October 16, 2003, which designates the United States of America and assigned United States Application No. 10/531,512;	
[]	which was patented under United States Patent No. [ ].	

WHEREAS, Mykrolis Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 129 Concord Road, Billerica, Massachusetts 01821 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

Docket No. 3194.1025-009 (Mykrolis Ref. No.: 200300127)

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: Device White		
Daniel Alvarez, Jr.		
State/Commonwealth		
of California		
County of (San (1).49 a		
On this		
notary public, personally appeared Daniel Alvarez, Jr.,		
personally known to me, or		
proved to me through satisfactory evidence of identification, which was		
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/spe signed the foregoing instrument as his/hef free act and deed.		
CHAID WICKES OF THE TELEVISION AND THE STATE OF THE STATE		
OFFICIAL SEAL OF OUR AND Notary Public		
NOTARY PUBLIC-CALIFORNIA ADY A DANNA (print name)		
MY COMM. EXP. MAY 11, 200 My Commission expires 05/11/20c		

Docket No. 3194.1025-009 (Mykrohs Ref. No.: 200300127)

Inventor's Signature:			
	J	effrey J. Spie	gelman
State/Commonwealth			
of	- 40.	_	
County of		_	
	_		
On this day	of Yeffrey I Spic	, 20	_, before me, the undersigned
notary public, personally ap	beated actited at abic	geiman,	
personally known to	me, or		
proved to me through satisfactory evidence of identification, which was			
to be the person whose nam acknowledged that he/she si			
(SEAL)		1	Notary Public
	_	(	print name)
	My Commission ex	pires/_	/
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Inventor's Signature:	/bull		hr
	1	Russell J. Ho	lmes
State/Commonwealth	/		
of <u>Calitoinie</u>	11. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
County of San Dr	90		
On this 31 day of	of May	2005	, before me, the undersigned
notary public, personally app			, petate me, die auder 213men
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proved to me through	satisfactory evidence # A644020	or identification	on, which was
to be the person whose name acknowledged that he/she si	e was signed on the for gned the foregoing ins	egoing instrun trument as his/	nent in my presence, and her free act and deed.
OFFICIAL SEAL	Take al	bune 1	v Notary Public
ABE ALBANNA NOTARY PUBLIC CALIFOR COMM, NO. 1417192	**************************************	<u> </u>	print name)
SAN DIEGO COUNTY MY COMM, EXP. MAY 11, 2	<sup>007</sup> My Commission exp	oires 05/1	11,2007
			DATENT

**REEL: 016376 FRAME: 0300** 

Jun-21-05 05:06pm From-HBS&R 1978-341-0136 T-755 P.06/08 F-190

Docket No. 3194.1025-009 (Mykrolis Ref. No.: 200300127)

Injol

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[]	the specification of which is United States Application No. [ ], filed [ ];	
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Docket No. 3194.1025-009 (Mykrolis Ref. No.: 200300127)

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AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:

Daniel Alvarez, Jr.

State/Commonwealth

of

County of

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_, 20 \_\_\_\_\_, before me, the undersigned notary public, personally appeared Daniel Alvarez, Jr.,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_/\_\_/

	Docket No	. 3194.1025-009 (Mykrolis Ref. No.: 200300127)			
Inventor's Signature:	M				
State/Commonwealth		Jeffrey J. Spiegelman			
of <u>Californic</u>	78(************************************	_			
County of San , 1	<u>) .                                   </u>	<del>_</del>			
On this 31 da notary public, personally	y of May appeared <b>Jeffrey J. S</b> F	, 20 <u>05</u> , before me, the undersigned legelman,			
personally known	o me, or				
	igh satisfactory evidend	ce of identification, which was			
acknowledged that he/she	signed the foregoing i	foregoing instrument in my presence, and nstrument as his/het free act and deed.			
OFFICIAL SE	ina sube al	Seume Notary Public			
ABE ALBAN NOTARY PUBLIC-CA COMM. NO. 141 SAN DIEGO COL MY COMM, EXP. MAY	MTY An Alba	mna (print name)			
MY COMM, EXP. MAY	iviy Commission 6	expires <u>05/11/2007</u>			
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Inventor's Signature:					
State/Oamana answealth		Russell J. Holmes			
State/Commonwealth					
of		<u> </u>			
County of		_			
		, 20, before me, the undersigned			
notary public, personally a	ippeared Russell J. Hu	ames,			
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(SEAL)		Notary Public			
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