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Docket No.

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OMB No. 0651-0027 (exp. 5/31/2002)

PATENTS ONLY

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): IGC-APD CRYOGENICS, INC.

2. Name and address of receiving party(ies) Name: IGC-POLYCOLD SYSTEMS, INC. Internal Address: 67 MARK DRIVE SAN RAFAEL, CALIFORNIA 94903

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

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Street Address: City: State: Zip:

Execution Date: JANUARY 31, 2002

Additional name(s) & address(es) attached? Yes 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) 09/904,171

B. Patent No.(s) 5,875,651; 5,706,663; 5,687,574; 5,628,195 5,595,065; 5,586,437; 5,579,654; 5,441,658; 5,337,572

Additional numbers attached? Yes No

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

Name: Rosenman & Colin, LLP Internal Address: Street Address: 575 Madison Avenue 15th Floor IP Department City: New York State: New York Zip: 10022-2585

6. Total number of applications and patents involved: 10

7. Total fee (37 CFR 3.41) \$ 400.00 [] Enclosed [X] Authorized to be charged to deposit account

8. Deposit account number: 50-1290

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

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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.

Harris A. Wolin Name of Person Signing Signature

FEBRUARY 12, 2002 Date

Total number of pages including cover sheet, attachments, and documents: 3

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

ANY FEE DUE WITH THIS PAPER, NOT FULLY COVERED BY AN ENCLOSED CHECK, MAY BE CHARGED ON DEPOSIT ACCOUNT NO. 501290

Filed by Express Mail (Receipt No. EV0358190870) on Feb. 12, 2002 pursuant to 37 C.F.R. 1.10. PATENT

REEL: 012653 FRAME: 0357

ASSIGNMENT OF PATENTS AND APPLICATIONS

WHEREAS, IGC-APD Cryogenics, Inc. ("ASSIGNOR"), a corporation having a place of business at 1833 Vultee Street, Allentown, Pennsylvania, 18103, is the owner of the entire right, title and interest in and to the United States Patents and United States Patent Applications designated on the attached Schedule A ("the Patents and Applications") and the priority rights associated therewith:

WHEREAS, the said ASSIGNOR desires to transfer, assign, convey, deliver, set over and vest all of said right, title and interest in the Patents and Applications unto and in IGC-Polycold Systems, Inc. ("ASSIGNEE"), a corporation having a place of business at 67 Mark Drive, San Rafael, California, 94903; and

WHEREAS, ASSIGNEE desires to receive from ASSIGNOR all of said right, title and interests in the Patents and Applications:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt and adequacy of which are hereby acknowledged, ASSIGNOR does hereby assign, convey, transfer, deliver, set over and vest to and in ASSIGNEE, its successors and assigns, absolutely and forever, its entire right, title and interest in and to the Patents and Applications, together with any and all reissues, renewals, continuations, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and Applications, for the United States, and all the rights and privileges relating thereto including but not limited to priority rights and the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, present and future infringement.

ASSIGNOR agrees to execute such further papers and do such other acts as may be necessary to obtain, renew, issue or enforce the Patents and Applications, including, but not limited to any acts which may be necessary, desirable or convenient for claiming said priority rights and for vesting title hereto in said ASSIGNEE, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, ASSIGNOR has caused this Patent Assignment to be executed this 31st day of January, 2002.

IGC-APD Cryogenics, Inc.

By:



Name:

Katherine M. Sheehan

Title:

General Counsel and Corporate Secretary

PATENT and PATENT APPLICATION ASSIGNMENT

IGC-APD CRYOGENICS, INC. to POLYCOLD SYSTEMS, INC.

Schedule A

Docket Number	Patent Number	Issue Date
APD 14.085	5,875,651	03/02/1999
APD 12.704	5,706,663	01/13/1998
APD 12.693	5,687,574	11/18/1997
APD 12.237	5,628,195	05/13/1997
APD 11.929	5,595,065	01/21/1997
APD 12.601	5,586,437	12/24/1996
APD 12.212	5,579,654	12/03/1996
APD 11.364	5,441,658	08/15/1995
APD 11.055	5,337,572	08/16/1994

Docket Number	Application Number	Date Filed
APD 17.225	09/904,171	07/12/2001