

01-06-2006



R SHEET

103149301

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

1. Name of conveying party(ies):
Cold Jet, LLC

2. Name and Address of receiving party(ies):
Name: Mezzanine Opportunities LLC
Internal Address: _____

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

Street Address: 191 W Nationwide Blvd, Suite 600

3. Nature of conveyance:
☐ Assignment ☐ Merger
☒ Security Agreement ☐ Change of Name
☐ Other
Execution Date: December 5, 2005

City Columbus State Ohio ZIP 43215

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

4. Application number(s) or patent number(s)

If this document is being filed with a new application, the execution date of the application is: N/A

A. Patent Application No.(s)

B. Patent No.(s)

See Schedule Attached

Additional numbers attached? ☒ Yes ☐ No

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

Name: Belinda L. Reynolds
Internal Address: _____
Porter, Wright, Morris & Arthur
Street Address: 41 South High Street

City: Columbus State: OH ZIP: 43215

6. Total number of applications and patents
involved: 24

7. Total fee (37 CFR 3.41): \$ 960.00
☐ Enclosed
☒ Authorized to be charged to deposit
account

8. Deposit account number: 16 - 2326
(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 documents.

Karen K. Hammond
Name of Person Signing

[Signature]
Signature

December 15, 2005

01/05/2006 LMUELLER 0000013 162326 4744181

Total number of pages comprising cover sheet 3

Do not detach this portion

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

**Mail Stop Assignment Recordation Services
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P.O. Box 1450
Alexandria, VA 22313-1450**

COLUMBUS/1098648.02

**PATENT
REEL: 017411 FRAME: 0426**

SCHEDULE

<u>Patent No.</u>	<u>Serial No.</u>	<u>Date Filed</u>	<u>Title</u>
4744181	06/931,604	11/17/1986	Particle-Blast Cleaning Apparatus and Method
4947592	07/227,090	08/01/1988	Particle Blast Cleaning Apparatus
5018667	07/515,763	04/13/1990	Phase Change Injection Nozzle
5109636	07/566,741	08/13/1990	Particle Blast Cleaning Apparatus
5301509	07/910,839	07/08/1992	Method and Apparatus for Producing Carbon Dioxide Pellets
5328517	07/813,872	12/24/1991	Method and System for Removing a Coating From a Substrate Using Radiant Energy and a Particle Stream
5473903	08/226,733	04/12/1994	Method and Apparatus for Producing Carbon Dioxide Pellets
5571335	08/315,321	09/29/1994	Method for Removal of Surface Coatings
5660580	08/395,665	02/28/1995	Nozzle for Cryogenic Particle Blast System
5795214	08/813,114	03/07/1997	Thrust Balanced Turn Base for the Nozzle Assembly of an Abrasive Media Blasting System
6042458	09/106,633	06/29/1998	Turn Base for Entrained Particle Flow
6524172	09/658,359	09/08/2000	Particle Blast Apparatus
6739529	09/369,797	08/06/1999	Non-Metallic Particle Blasting Nozzle with Static Field Dissipation
	10/123,974	04/17/2002	Feeder Assembly for Particle Blast System
6726549	10/142,270	05/09/2002	Particle Blast Apparatus
5520572	08/270,130	07/01/1994	Apparatus for Producing and Blasting Sublimable Granules on Demand
6346035	09/333,087	12/24/1998	Generation of an Airstream with Sublimable Solid Particles

<u>Patent No.</u>	<u>Serial No.</u>	<u>Date Filed</u>	<u>Title</u>
6447377	09/975,904	10/12/2001	Dry Ice Blasting Gun with Adjustable Handle
6824450	09/966,523	11/28/2001	Apparatus to Provide Dry Ice in Different Particle Sizes to an Airstream for Cleaning of Surfaces
6695685	09/975,908	10/12/2001	Low Flow Rate Nozzle System for Dry Ice Blasting
6695679	09/978,508	10/15/2001	Enablement of Selection of Gas/Dry Ice Ratios Within an Allowable Range, and Dynamic Maintenance of the Ratio in a Blasting Stream
	10/811,788	3/29/2004	Particle Blast Apparatus
	60/660,697	3/11/2005	Particle Blast System With Synchronized Feeder and Particle Generator
	60/648,490	1/31/2005	Particle Blast Cleaning Apparatus With Pressurized Container

AMENDED AND RESTATED PATENT SECURITY AGREEMENT

WHEREAS, **Cold Jet, LLC** ("Assignor"), a limited liability company formed under the laws of Ohio, located at 455 Wards Corner Road, Loveland, Ohio 45140, owns the patents and patent applications shown in the attached Schedule A (the "Patents"), for which there are recordings or applications in the United States Patent and Trademark Office under the numbers shown in the attached Schedule A; and

WHEREAS, Assignor is obligated to **Mezzanine Opportunities LLC** ("Mezzanine") in connection with a certain Senior Subordinated Note Purchase Agreement dated as of October 1, 2003, as amended by that certain Amendment to Senior Subordinated Note Purchase Agreement dated the date hereof, and Assignor is obligated to Mezzanine pursuant to a certain Patent Collateral Security Agreement, dated October 1, 2003, as amended by that certain Amendment to Patent Collateral Security Agreement dated as of December 5, 2005, made by Assignor in favor of Mezzanine (as each may be further amended, modified, restated or supplemented from time to time, collectively, the "Agreements"); and

WHEREAS, pursuant to the Agreements, Assignor is granting to Mezzanine a security interest in the Patents, all proceeds thereof, all rights corresponding thereto and all reissues, divisions, continuations, renewals, extensions and continuations-in-part thereof, and the recordings and applications therefor.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Assignor, subject to (a) the first priority security interest granted to The Huntington National Bank, a national banking association (the "Senior Lender"), pursuant to a senior Loan and Security Agreement dated as of November 30, 2005, by and between the Assignor and the Senior Lender, and (b) that certain Standby and Subordination Agreement dated as of November 30, 2005, among, by and between the Assignor, the Senior Lender and Mezzanine, does hereby collaterally assign unto Mezzanine and grant to Mezzanine a security interest in and to the Patents, and recordings and applications therefor, which assignment and security interest shall secure all the Obligations as defined in the Agreements and in accordance with the terms and provisions thereof.

The Assignor expressly acknowledges and affirms that the rights and remedies of Mezzanine with respect to the assignment and security interest granted hereby are more fully set forth in the Agreements.

[Signatures and acknowledgments to follow on the next page]

Dated: Loveland, Ohio
December 5, 2005

Witness:

Scott P. Sayle

COLD JET, LLC

By:

Eugene L. Cooke, III, President

Witness:

MEZZANINE OPPORTUNITIES LLC

By:

Authorized Signer

Dated: Loveland, Ohio
December 5, 2005

Witness:

COLD JET, LLC

By: _____
Eugene L. Cooke, III, President

Witness:

MEZZANINE OPPORTUNITIES LLC

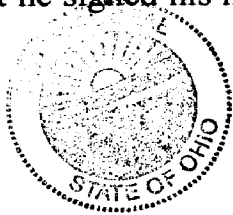
By:  _____
Authorized Signer

STATE OF OHIO)

ss:

COUNTY OF HAMILTON)

On this 5 day of December, 2005, before me personally came Eugene L. Cooke, III, to me known, who, being by me duly sworn, did depose and say that he is the President of Cold Jet, LLC, the company described in and which executed the foregoing instrument; and that he signed his name thereto by order of the board of directors of said company.



NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 03-03-10

Edward W. 215105

Notary Public

STATE OF OHIO)

ss:

COUNTY OF HAMILTON)

On this ____ day of December, 2005, before me personally came _____, to me known, who, being by me duly sworn, did depose and say that he is an authorized agent of Mezzanine Opportunities LLC, the company described in and which executed the foregoing instrument; and that he was authorized to sign his name thereto on behalf of said company.

Notary Public

STATE OF OHIO)

SS:

COUNTY OF HAMILTON)

On this _____ day of December, 2005, before me personally came Eugene L. Cooke, III, to me known, who, being by me duly sworn, did depose and say that he is the President of Cold Jet, LLC, the company described in and which executed the foregoing instrument; and that he signed his name thereto by order of the board of directors of said company.

Notary Public

STATE OF OHIO)

SS:

COUNTY OF FRANKLIN)

On this 7th day of December, 2005, before me personally came Thomas Utgoff, to me known, who, being by me duly sworn, did depose and say that he is an authorized agent of Mezzanine Opportunities LLC, the company described in and which executed the foregoing instrument; and that he was authorized to sign his name thereto on behalf of said company.



Notary Public

JAMES P. BOTH
ATTORNEY AT LAW
NOTARY PUBLIC - STATE OF OHIO
MY COMMISSION HAS NO EXPIRATION DATE
11/20/04 14707 0000

Schedule A**PATENTS**

Patent No.	Title	Country	Issue Date	Expiration Date
4,744,181	PARTICLE-BLAST CLEANING APPARATUS AND METHOD	U.S.	05/17/1988	11/17/2006
4,947,592	PARTICLE BLAST CLEANING APPARATUS	U.S.	08/14/1990	08/01/2008
5,109,636	PARTICLE BLAST CLEANING APPARATUS	U.S.	05/05/1992	05/05/2008
0426749	PARTICLE BLAST CLEANING APPARATUS	BE	11/18/1993	07/31/2009
0426749	PARTICLE BLAST CLEANING APPARATUS	CH	11/18/1993	07/31/2009
0426749	PARTICLE BLAST CLEANING APPARATUS	DE	11/18/1993	07/31/2009
0426749	PARTICLE BLAST CLEANING APPARATUS	FR	11/18/1993	07/31/2009
0426749	PARTICLE BLAST CLEANING APPARATUS	GB	11/18/1993	07/31/2009

5018667	PHASE CHANGE INJECTION NOZZEL	U.S.	5/28/1991	4/30/2010
0426749	PARTICLE BLAST CLEANING APPARATUS	IT	11/18/1993	07/31/2009
0426749	PARTICLE BLAST CLEANING APPARATUS	LU	11/18/1993	07/31/2009
0426749	PARTICLE BLAST CLEANING APPARATUS	NL	11/18/1993	07/31/2009
5,301,509	METHOD AND APPARATUS FOR PRODUCING CARBON DIOXIDE PELLETS	U.S.	04/12/1994	07/08/2012
5,473,903	METHOD AND APPARATUS FOR PRODUCING CARBON DIOXIDE PELLETS	U.S.	12/12/1995	12/12/2012
5,328,517	METHOD AND SYSTEM FOR REMOVING A COATING FROM A SUBSTRATE USING RADIANT ENERGY AND A PARTICLE STREAM	U.S.	07/12/1994	12/24/2011
5,520,572	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON	U.S.	05/28/1996	07/01/2014

	DEMAND			
0768934	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	BE	10/24/2001	06/28/2015
2,194,194	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	CA	06/03/2003	06/28/2015
69523455	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	DE	10/24/2001	06/28/2015
2164771	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	ES	10/24/2001	06/28/2015
0768934	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	FR	10/24/2001	06/28/2015
0768934	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	GB	10/24/2001	06/28/2015
0768934	APPARATUS FOR PRODUCING AND	IT	10/24/2001	06/28/2015

	BLASTING SUBLIMABLE GRANULES ON DEMAND			
3694318	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	JP	07/01/2005	06/28/2015
199429	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	MX	11/08/2000	06/28/2015
0768934	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	NL	10/24/2001	06/28/2015
0768934	APPARATUS FOR PRODUCING AND BLASTING SUBLIMABLE GRANULES ON DEMAND	SE	10/24/2001	06/28/2015
5,571,335	METHOD FOR REMOVAL OF SURFACE COATINGS	U.S.	11/05/1996	11/05/2013
5,660,580	NOZZLE FOR CRYOGENIC PARTICLE BLAST SYSTEM	U.S.	08/26/1997	02/28/2015
2925331	NOZZLE FOR CRYOGENIC PARTICLE	JP	05/07/1999	02/27/2016

	BLAST SYSTEM			
5,795,214	THRUST BALANCED TURN BASE FOR THE NOZZLE ASSEMBLY OF AN ABRASIVE MEDIA BLASTING SYSTEM	U.S.	08/18/1998	03/07/2017
6,042,458	TURN BASE FOR ENTRAINED PARTICLE FLOW	U.S.	03/28/2000	05/31/2016
6,346,035	GENERATION OF AN AIRSTREAM WITH SUBLIMABLE SOLID PARTICLES	U.S.	02/12/2002	12/24/2018
6,447,377	DRY ICE BLASTING GUN WITH ADJUSTABLE HANDLE	U.S.	09/10/2002	10/12/2021
6,524,172	PARTICLE BLAST APPARATUS	U.S.	02/25/2003	09/25/2020
6,726,549	PARTICLE BLAST APPARATUS	U.S.	04/27/2004	09/08/2020
NI-201228	PARTICLE BLAST APPARATUS	TW	05/11/2004	09/06/2021
6,695,679	ENABLEMENT OF SELECTION OF GAS/DRY ICE RATIOS WITHIN AN	U.S.	02/24/2004	10/15/2021

	ALLOWABLE RANGE, AND DYNAMIC MAINTENANCE OF THE RATION IN A BLASTING SYSTEM			
6,695,685	LOW FLOW RATE NOZZLE SYSTEM FOR DRY ICE BLASTING	U.S.	02/24/2004	10/12/2021
6,739,529	NON-METALLIC PARTICLE BLASTING NOZZLE WITH STATIC FIELD DISSIPATION	U.S.	05/24/2004	08/06/2019
6,824,450	APPARATUS TO PROVIDE DRY ICE IN DIFFERENT PARTICLE SIZES TO AN AIRSTREAM FOR CLEANING OF SURFACES	U.S.	11/30/2004	09/28/2021

PATENT APPLICATIONS

Application/ Serial No.	Title	Country	Filing Date
10/811,788	PARTICLE BLAST APPARATUS	U.S.	03/29/2004
2,422,186	PARTICLE BLAST APPARATUS	CA	09/06/2001
01968564.3	PARTICLE BLAST APPARATUS	EP	09/06/2001
2002-524675	PARTICLE BLAST APPARATUS	JP	09/06/2001
7003474/2003	PARTICLE BLAST APPARATUS	KR	09/06/2001
2003/002023	PARTICLE BLAST APPARATUS	MX	09/06/2001
1-2003-00234	PARTICLE BLAST APPARATUS	VN	09/06/2001
10/123,974	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	U.S.	04/17/2002
2003222164	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	AU	04/01/2003
2,484,912	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	CA	04/01/2003
03718155.9	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	EP	04/01/2003
03-585933	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	JP	04/01/2003
7016670/2004	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	KR	04/01/2003
2004/010241	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	MX	04/01/2003
535922	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	NZ	04/01/2003

092109177	FEEDER ASSEMBLY FOR PARTICLE BLAST SYSTEM	TW	04/17/2003
60/660,697	PARTICLE BLAST SYSTEM WITH SYNCHRONIZED FEEDER AND PARTICLE GENERATOR	U.S.	03/11/2005
60/648,490	PARTICLE BLAST CLEANING APPARATUS WITH PRESSURIZED CONTAINER	U.S.	01/31/2005