FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) P08A/REV03 01-31-2002

₹ SHEET

Docket No.: 12945

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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Additional names(s) of conveying party(ies) attached?	007
3. Nature of conveyance:	
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☐ Security Agreement ☐ Change of Name	City: Glenview State/Prov.: Illinois
Other	Country: <u>U.S.A.</u> ZIP: <u>60025</u>
Execution Date: December 18, 2001	Additional name(s) & address(es) attached? □ Yes ☒ No
	10,051434
If this document is being filed together with a new application	· · · · · · · · · · · · · · · · · · ·
Patent Application No. Filing date	B. Patent No.(s)
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Additional number 5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Lisa M. Soltis	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41):\$ 40.00
Additional numbers of party to whom correspondence concerning document should be mailed:  Name: Lisa M. Soltis  Registration No. 40,623	6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41):\$ 40.00  ■ Enclosed - Any excess or insufficiency should be
Additional numbers of party to whom correspondence concerning document should be mailed:  Name: Lisa M. Soltis  Registration No. 40,623  Address: Illinois Tool Works Inc.	Total number of applications and patents involved:      Total fee (37 CFR 3.41):
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Additional numbers of party to whom correspondence concerning document should be mailed:  Name: Lisa M. Soltis  Registration No. 40,623  Address: Illinois Tool Works Inc.  3600 West Lake Avenue	6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41):\$ 40.00  Enclosed - Any excess or insufficiency should be credited or debited to deposit account  Authorized to be charged to deposit account  8. Deposit account number:
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## Assignment of Rights in Invention (Sole inventor; single assignee, without witness or notarization)

Docket No. 12945

Inventor	Residence of Inventor
Hongsheng Zhang	8489 Westmore Road, #43 San Diego, California 92126
Assignee	Residence or Principal Place of Business of Assignee
Illinois Tool Works Inc.	3600 West Lake Avenue Glenview, Illinois 60025

Whereas, I, the above-identified Inventor, have invented certain new and useful improvements in:

## INKJET PRINTHEAD WITH DROP VOLUME MODULATION CAPABILITIES

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(hereinafter referred to as "Invention") for which I am making application for Letters Patent in the United States of America;

And, whereas I desire to assign a 100% undivided interest in said Invention, said application disclosing the Invention and any Letters Patent which may be granted therefor to the above-identified Assignee, and whereas said Assignee is desirous of acquiring the entire right, title and interest in the same;

Now, this indenture witnesseth, that for the sum of ONE dollars 1.00 ), and other good and valuable consideration, the receipt whereof is hereby acknowledged;

I hereby assign, sell and transfer a 100% undivided interest in said invention, said application, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Letters Patent to said Assignee, as assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary and lawful future documents, including assignments in favor of Assignee, or its designees as Assignee or its Assignees may from time-to-time present to me in order to perfect title in said Invention, modifications, and improvements in said Invention, applications and Letters Patent of the United States and countries foreign thereto;

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## Assignment of Rights in Invention (Sole inventor; single assignee; without witness or notarization)

Docket No. 12945

Inventor	Residence of Inventor
Hongsheng Zhang	8489 Westmore Road, #43 San Diego, California 92126
Assignee	Residence or Principal Place of Business of Assignee
Illinois Tool Works Inc.	3600 West Lake Avenue Glenview, Illinois 60025

And I further agree to sign and properly execute such necessary and lawful papers for application for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee thereof shall hereafter require and prepare at its own expense.

Executed this 18th day of December, in the year 2001

San Diego, California

at

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[Page 2 of 2]

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**RECORDED: 01/18/2002**