

Form PTO-1595 (Modified)
(Rev. 6-93)
OMB No. 0951-0011 (exp. 4/98)
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To the Honorable Commissioner of Patents and Trademarks: Please return the attached original documents or copy thereof.

1. Name of conveying party(ies):

Li Zhang
26 Smith Street
Westborough, Massachusetts 01581

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: **June 20, 1997**

2. Name and address of receiving party(ies):

Name: **Ionics, Incorporated**Internal Address: **65 Grove Street**

Street Address:

City: **Watertown** State: **MA** ZIP: **02172**Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

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

A. Patent Application No.(s)

60/050,376 June 20,
1997

PCT/US98/12823 June 19, 1998

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Mark G. Lappin** Reg. No. 26,618Internal Address: **LAPPIN & KUSMER LLP**Street Address: **200 State Street**

Void date: 07/31/1998 SSMITH

07/31/1998 SSMITH 00000080 60050376

01 FC:581

City: **Boston**State: **MA** ZIP: **02109**

6. Total number of applications and patents involved:

2

7. Total fee (37 CFR 3.41):\$ **80.00**☒ 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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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.

MARK G. LAPPIN

Name of Person Signing

Signature

Date

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

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FILE: 98121 FRAME: 0341

ASSIGNMENT of PATENT RIGHTS

I, Li Zhang, of 26 Smith Street, Westborough, Massachusetts 01581, in consideration of One Dollar and other valuable consideration paid to me by

Ionics, Incorporated

a corporation of Massachusetts, having its principal place of business at 65 Grove Street, Watertown, Massachusetts 02172, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Ionics, Incorporated

its successors and assigns, my entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

**FLUID PURIFICATION DEVICES AND METHODS EMPLOYING DEIONIZATION
FOLLOWED BY IONIZATION FOLLOWED BY DEIONIZATION**

described in an application filed herewith in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 20th day of June, 1997.

By: _____

Li Zhang

Commonwealth of Massachusetts)

)ss

County of)

Then personally appeared the above named Inventor and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1997.

Notary Public

My commission expires:

PATENT