

10-13-1999

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)



101170252

OVER

Y

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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):

Lewis M. Fraas
Galen Magendanz
James E. AveryAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: September 24, 1999

2. Name and address of receiving party(ies)

Name: JX Crystals Inc.

Internal Address: _____

Street Address: 1105 12th Avenue, N.W.,

Suite A2

City: Issaquah State: WA ZIP: 98027

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

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

MRO 9.28.99

If this document is being filed together with a new application, the execution date of the application is: 09/24/99

A. Patent Application No.(s)

B. Patent No.(s)

09/406727

Additional numbers attached? ☐ Yes ☒ No

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

Name: JAMES E. AVERY
FC:581

Internal Address: 40.00 Op

Street Address: 1493 Chain Bridge Road

Suite 300

City: McLean State: VA ZIP: 22101

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed
- ☐ Authorized to be charged to deposit account

8. Deposit account number:

02-3704

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

DO NOT USE THIS SPACE

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.

Julie H. Gamotis

Name of Person Signing

Signature

September 28, 1999

2

Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 010298 FRAME: 0020

JOINT ASSIGNMENT

WHEREAS, LEWIS M. FRAAS, GALEN MAGENDANZ and JAMES E. AVERY and LEWIS M. FRAAS, hereinafter referred to as the ASSIGNORS, have jointly invented certain improvements relating to ANTIREFLECTION COATED REFRACTORY METAL MATCHED EMITTERS FOR USE IN THERMOPHOTOVOLTAIC GENERATORS, for which they jointly executed on even date herewith an application for Letters Patent to be filed in the United States Patent Office;

AND WHEREAS, JX CRYSTALS INC., a Washington corporation, located and doing business at 1105 12th Avenue, N.W., Suite A2, Issaquah, Washington 98027, hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, and prolongations thereof;

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell, and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, and prolongations thereof, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise, and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, and prolongations thereof, with all the rights, powers, privileges, and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made;

AND said ASSIGNORS hereby agree to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon;

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS the day and year set forth below.

Executed at <u>Issaquah, WA</u> (Town & Country) On <u>9/24/99</u>	<u>Lewis M. Fraas</u> Lewis M. Fraas
Executed at <u>Issaquah, WA</u> (Town & Country) On <u>9/24/1999</u>	<u>Galen Magendanz</u> Galen Magendanz
Executed at <u>Issaquah, WA</u> (Town & Country) On <u>9/24/1999</u>	<u>James E. Avery</u> James E. Avery

PATENT

RECORDED: 09/28/1999

REEL: 010298 FRAME: 0021