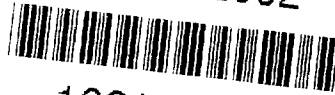


FORM PTO-1595
(Rev. 6-93)

06-06-2002



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office**COVER SHEET
ONLY**

C

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

1. Name of conveying party(ies):

A. Junji Hirokane
B. Michinobu Mieda
C. Go Mori

6-3-02

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: Sharp Kabushiki KaishaStreet Address: 22-22 Nagaike-cho, Abeno-ku, Osaka-shi,City/Region/Country: Osaka 545-8522 JAPAN

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: January 30, 2002

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): 10/076,972

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: David G. Conlin, Esq. (Reg. No.: 27,026)
Street Address: EDWARDS & ANGELL, LLP
P.O. Box 9169
City: Boston State: MA Zip: 022097. Total fee (37 CFR 3.41):.....\$40.00☐ Enclosed
☒ Authorization to charge deposit account for additional or excess fees.8. Deposit account number: 04-1105
(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.*Richard J. Roos, Esq. (Reg. No.: 45,053)
Name of Person Signing

Signature

May 24, 2002
DateTotal number of pages including cover sheet, attachments, and documents: 3

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06/05/2002 GTOM11 00000089 041105 10076972
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ASSIGNMENT

WHEREAS, the following inventor(s):
hereinafter designated as the undersigned) has (have) invented certain new and useful improvements
in "~~METHOD FOR FORMING MICROPATTERNS~~" , for which application for Letters Patent of the United
States has been filed on _____, Serial No. _____; and

WHEREAS, SHARP KABUSHIKI
KAISHA, a Japan corporation, having its principal place of
business at 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, its heirs, successors, legal
545-8522 Japan representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire
right, title and interest in and to said invention and to any Letters Patent(s) that may be granted
therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and
valuable consideration to the undersigned, the receipt of which is hereby acknowledged, the
undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and
transfer unto said Assignee the full and exclusive right to the said invention in the United States of
America and its territories, dependencies and possessions and the entire right, title and interest in and
to any and all Letters Patent(s) which may be granted therefor in the United States of America and its
territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations
and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application
and any continuing, divisional or reissue applications thereof and also to execute separate
assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said
application, said invention and said patent(s) as may be known and accessible to the undersigned, and
will testify as to the same in any interference or litigation related thereto, and will promptly execute
and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply
for, obtain, maintain or enforce said application or said patent(s) in connection with any interference
which may be declared, and any litigation concerning this application or any continuation, division or
reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in
every way possible in obtaining and producing evidence and proceeding with such interference or
litigation.

The undersigned agree(s) to execute all papers and documents and to perform any act which
may be necessary in connection with claims or provisions of the International Convention for the
Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a
grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to
said Assignee as fully and entirely as the same would have been held by the undersigned if this
Assignment and sale had not been made.

The undersigned hereby grant(s) the law firm of Edwards & Angell, LLP, of P.O. Box 9169, Boston, Massachusetts 02209, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

In witness whereof, signed by the undersigned on the date(s) opposite the undersigned names.

Date: January 30, 2002

Signature of Inventor: Junji Hirokane

Name: Junji HIROKANE

Date: January 30, 2002

Signature of Inventor: Michinobu Mieda

Name: Michinobu MIEDA

Date: January 30, 2002

Signature of Inventor: Go Mori

Name: Go MORI

Date: _____

Signature of Inventor: _____

Name: _____

Date: _____

Signature of Inventor: _____

Name: _____

Date: _____

Signature of Inventor: _____

Name: _____