| Form PTO-1595 |
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| RECORDATION FOR |
| (Rev. 06/34) |



U.S. Department of Commerce Patents & Trademark Office

Attorney Docket No. 025789-00021 Date: January ____, 2005 S. P. ro 970

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| To the Director of the U.S. Patent and Trademark Office: Please re- | cord the attached documents or the new address(es) below. |
| 1. Name of conveying party(ies)/Execution Date(s): | 2. Name and address of receiving party(ies): |
| Yu-Kai LIN, Jiun-Han WU, Yao-Ching SU and Po-Cheng CHEN | Name: AU OPTRONICS CORPORATION |
| Execution Date(s): 12/10/04, 01/11/05, 01/11/05 AND 12/19/04, respectively | Address: 1 Li-Hsin Road 2, Science-Based Industrial Park, Hsin-chu 300, Taiwan, R.O.C. |
| Additional name(s) of conveying party(ies) attached? | |
| 3. Nature of conveyance: Assignment | Additional name(s) & address(es) attached? ☐ Yes ☑ No |
| 4. Application number(s) or patent number(s): | ent is being filed together with a new application. |
| A. Patent Application No.(s) | B. Patent No.(s) |
| 7 1 1 diam : pp. 1021101 115.(c) | D. 1 dioni 110.(5) |
| Additional numbers attached | ? ☐ Yes No |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: One |
| Name: Arent Fox PLLC | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 |
| Street Address: 1050 Connecticut Avenue, N.W., Suite 400 Washington, D.C. 20036-5339 | ✓ Included in attached check. ✓ Authorized to be charged by credit card. ✓ Authorized to be charged to Deposit Account. ✓ Any additional fees are authorized to be charged to |
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| Statement and signature.To the best of my knowledge and belief, the foregoing information is true and c | correct and any attached copy is a true copy of the original document. |
| Michele L. Connell | San 010 1/14/05 |
| Name of Person Signing Signa Reg. No. 52,763 Total number of pa | ages including cover sheet, attachments, and document: 3 |

| Docket | Nο | 025789-00021 |
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| DUCKEL | INU. | 023703-00021 |

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert ASSIGNEE's Name(s) Address(es)] AU OPTRONICS CORPORATION

1 Li-Hsin Road 2, Science-Based Industrial Park, Hsin-chu 300, Taiwan, R.O.C.

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention entitled

[Title of Invention]

[*If the assignment is being filed after the filing of the application, this section must be completed]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on , Serial No.
(Arent Fox PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof, and any other application claiming priority thereto, for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s) of Assignor(s)]

| Nel -I- | • • • • • • | 101 1 - |
|------------------------------|------------------------------|------------|
| frav fr | Yu-Kai LIN | >001/12/13 |
| (\$IGNATURE) | (TYPE NAME) Jiun-Han WU | (DATE) |
| (SIGNATURE) | (TYPE NAME) Yao-Ching SU | (DATE) |
| (SIGNATURE) No-Cheng Chen | (TYPE NAME) Po-Cheng CHEN | (DATE) |
| (SIGNATURE) | (TYPE NAME) | (DATE) |
| (SIGNATURE) | (TYPE NAME) | (DATE) |
| (SIGNATURE) | (TYPE NAME) | (DATE) |

PATENT REEL: 016176 FRAME: 0077

| Docket No. 025789-00021 |
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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert ASSIGNEE's Name(s) Address(es)] AU OPTRONICS CORPORATION

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[Title of Invention]

completed)

PLASMA DISPLAY PANEL THERMAL DISSIPATION APPARATUS AND METHOD

[*If the assignment is being filed after the filing of the application, this section must be for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on , Serial No.

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and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof, and any other application claiming priority thereto, for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s) of Assignor(s)]

RECORDED: 01/14/2005

| | Yu-Kai LIN | |
|----------------------------|-----------------------------|--------|
| (SIGNATURE) Tinn-Man Wu | (TYPE NAME) Jiun-Han WU | (DATE) |
| (SIGNATURE) | (TYPE NAME) Yao-Ching SU | (DATE) |
| (SIGNATURE) | (TYPE NAME) Po-Cheng CHEN | (DATE) |
| (SIGNATURE) | (TYPE NAME) | (DATE) |
| (SIGNATURE) | (TYPE NAME) | (DATE) |
| (SIGNATURE) | (TYPE NAME) | (DATE) |

PATENT REEL: 016176 FRAME: 0078