

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT                |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
|--|-------------------------------|------|----------------|-----------------------|------------|----------------|------------|------------------|------------|-------------------------|------------|--------------------|------------|-------------------|------------|------------------|------------|-------------------|------------|
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>CONVEYING PARTY DATA</b>  |                               |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Almantas Danilevicius</td> <td>02/24/2004</td> </tr> <tr> <td>Gintaras Buika</td> <td>02/24/2004</td> </tr> <tr> <td>Ramunas Lygaitis</td> <td>02/24/2004</td> </tr> <tr> <td>Juozas V. Grazulevicius</td> <td>02/24/2004</td> </tr> <tr> <td>Edmundas Montrimas</td> <td>02/25/2004</td> </tr> <tr> <td>Zbigniew Tokarski</td> <td>02/26/2004</td> </tr> <tr> <td>Nusrallah Jubran</td> <td>02/26/2004</td> </tr> <tr> <td>Robertas Maldzius</td> <td>02/25/2004</td> </tr> </tbody> </table> |                               | Name | Execution Date | Almantas Danilevicius | 02/24/2004 | Gintaras Buika | 02/24/2004 | Ramunas Lygaitis | 02/24/2004 | Juozas V. Grazulevicius | 02/24/2004 | Edmundas Montrimas | 02/25/2004 | Zbigniew Tokarski | 02/26/2004 | Nusrallah Jubran | 02/26/2004 | Robertas Maldzius | 02/25/2004 |
| Name   | Execution Date                |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| Almantas Danilevicius  | 02/24/2004                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| Gintaras Buika   | 02/24/2004                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| Ramunas Lygaitis   | 02/24/2004                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| Juozas V. Grazulevicius  | 02/24/2004                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| Edmundas Montrimas   | 02/25/2004                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| Zbigniew Tokarski  | 02/26/2004                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| Nusrallah Jubran   | 02/26/2004                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| Robertas Maldzius  | 02/25/2004                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>RECEIVING PARTY DATA</b>  |                               |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Name:</b>   | Samsung Electronics Co., Ltd. |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Street Address:</b>   | Suwon-City                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>City:</b>   | Kyungki-do                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>State/Country:</b>  | KOREA, REPUBLIC OF            |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>PROPERTY NUMBERS Total: 1</b>   |                               |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Property Type</b>   | <b>Number</b>                 |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Application Number:</b>   | 10789094                      |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>CORRESPONDENCE DATA</b>   |                               |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Fax Number:</b>   | (612)349-9266                 |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |                               |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Phone:</b>  | 6122521535                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Email:</b>  | sikora@ptslaw.com             |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Correspondent Name:</b>   | Brian L. Jarrells             |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Address Line 1:</b>   | 80 South Eighth Street        |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Address Line 2:</b>   | Suite 4800                    |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>Address Line 4:</b>   | Minneapolis, MINNESOTA 55402  |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |
| <b>NAME OF SUBMITTER:</b>  | Brian L. Jarrells             |      |                |                       |            |                |            |                  |            |                         |            |                    |            |                   |            |                  |            |                   |            |

CH \$40.00 10789094

**PATENT**

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**REEL: 016169 FRAME: 0568**

**Total Attachments: 9**

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ASSIGNMENT

WHEREAS, we, Almantas Danilevicius, residing at Uzvingiu Str. 22-1, LT-3016 Kaunas, Lithuania; Gintaras Buika, residing at T. Masiulio Str. 4-8, , LT-3014, Kaunas, Lithuania; Ramunas Lygaitis, residing at Griciupio Str. 9-522, LT-3031, Kaunas, Lithuania; Juozas V. Grazulevicius, residing at Vandziogalos Str.48a-7, Lt-3000, Kaunas, Lithuania; Robertas Maldzius, residing at Sauletekio al. 35-23, LT-2040 Vilnius, Lithuania; Edmundas Montrimas, residing at Zirgo Str. 1-25, LT-2041, Vilnius, Lithuania; Zbigniew Tokarski, residing at 3170 Meadow Brook Drive, Woodbury, MN 55125; and Nusrallah Jubran, residing at 18 Morningside Drive, St. Paul, MN 55119, have invented certain new and useful improvements in Novel Charge Transport Materials Having Heteroaromatic Hydrazone Groups, for which an application for Letters Patent of the United States has been made, and which may be identified in the United States Patent Office by Application No. 10/789,084, filed February 27, 2004.

WHEREAS, Samsung Electronics Co., Ltd. ("Assignee"), a business entity organized and existing under the laws of South Korea, and having its principal offices at Suwon-City, Kyungki-do, South Korea, is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration to us in hand paid by said Assignee, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, our entire right, title and interest in and to said invention, said provisional/utility application, all applications claiming priority to said provisional/utility application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of our rights under the International Convention, and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith.

We hereby authorize the above mentioned Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the date of execution and/or filing date and application number of said application when ascertained.


We further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention.

Upon said consideration we do hereby covenant and agree with the said Assignee, its successors and assigns, that we will not execute in writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said

Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seal as dated below.

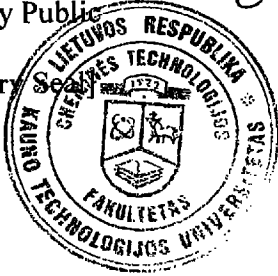
Date: 24 February, 2004

  
\_\_\_\_\_  
Almantas Danilevicius

Subscribed and sworn to before me  
this 24 day of February, 2004

Dean of the Faculty of Chemical Technology, Kaunas University of Technology  
Notary Public

[Notary Seal]



  
Zigmontas Jonas Bereshevičius

Date: 24 February, 2004

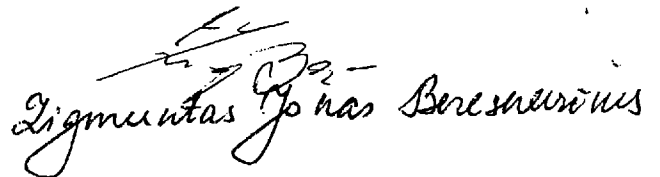
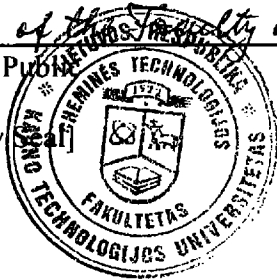


\_\_\_\_\_  
Gintaras Buika

Subscribed and sworn to before me  
this 24 day of February, 2004

Dean of the Faculty of Chemical Technology, Kaunas University of Technology  
Notary Public

[Notary



Ligmuntas Jonas Beresnevicius

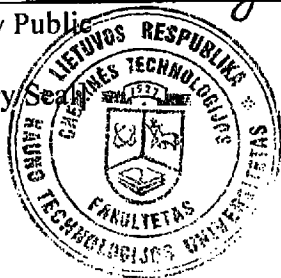
Date: 24 February 2004

R. Lygaitis  
Ramunas Lygaitis

Subscribed and sworn to before me  
this 24 day of February, 2004

Dean of the Faculty of Chemical Technology, Kaunas University of Technology  
Notary Public

[Notary Seal]



Gyrgmentas Jonas Beresnevicius

Date: 24 February 2004

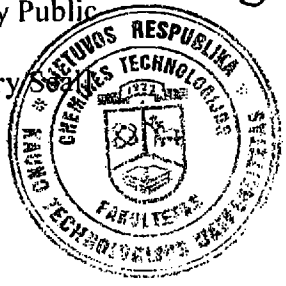
J. Gražulevičius  
Juozas V. Gražulevičius

Subscribed and sworn to before me  
this 24 day of February, 2004

Dean of the Faculty of Chemical Technology, Kaunas University of Technology


Notary Public

[Notary

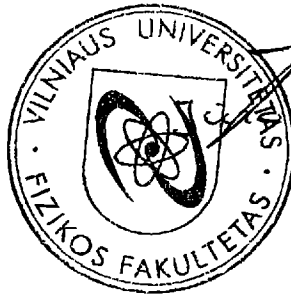


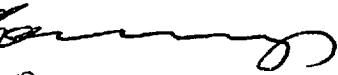
L. Beresnevicius  
Ligmontas Jonas Beresnevicius

Date: 25 February 2004

  
\_\_\_\_\_  
Edmundas Montrimas

Subscribed and sworn to before me  
this 25 day of February, 2004  
Vilnius University  
Physics Faculty, dean  
\_\_\_\_\_  
Notary Public

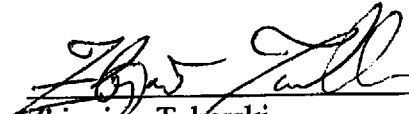


  
Boily J

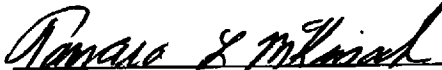
[Notary Seal]



Date: 2/26/04

  
\_\_\_\_\_  
Zbigniew Tokarski

Subscribed and sworn to before me  
this 26 day of FEB, 2004

  
\_\_\_\_\_  
Notary Public

[Notary Seal]



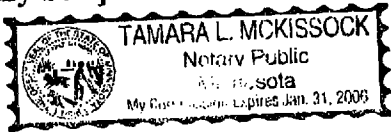
Date: 2-26-2004

Nusrallah Jubran  
Nusrallah Jubran

Subscribed and sworn to before me  
this 26 day of FEB, 2004

Tamara L. McKissock  
Notary Public

[Notary Seal]



Date: 25 February, 2004

Robertas Maldzius  
Robertas Maldzius

Subscribed and sworn to before me  
this 25 day of February, 2004  
Vilnius University  
Physics Faculty, dean

Notary Public

[Notary Seal]

