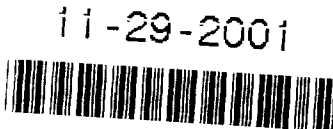
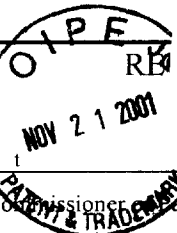


FORM PTO-1595  
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)  
Tab settings ⇨ ⇨ ⇨ 1



11-29-2001  
101902903

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket Nos.  
5994-A

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

1. Name of conveying party(ies):

Tobin J. Marks, Antonio Facchetti, Henning Sirringhaus  
and Richard H. Friend

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

2. Name and address of receiving party(ies)

Name: Northwestern University

Internal Address: 633 Clark Street

Evanston, IL 60208

Street Address: 633 Clark Street

City: Evanston State: IL ZIP: 60208

Additional name(s) & address(es) attached? [X] Yes [ ] No

3. Nature of conveyance:

[X] Assignment

[ ] Merger

[ ] Security Agreement

[ ] Change of Name

[ ] Other

Execution Date: Marks 10/17/01, Facchetti 10/26/01,  
Sirringhaus 11/13/01, and Friend 11/13/01

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):

09/915,210

B. Patent No.(s)

Additional Numbers attached? [ ] Yes [X] No

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

Name: Rodney D. DeKruif, Esq.

Reinhart, Boerner, Van Deuren, Norris & Rieselbach, s.c.

Internal Address: Suite 2100

Street Address: 1000 North Water Street

City: Milwaukee State: WI ZIP: 53202-3186

6. Total number of applications and patents involved: [1]

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

[X] ..... Enclosed

[ ] Authorized to be charged to deposit account

[X] ..... Any deficiencies in  
enclosed fee should be charged to Deposit Account.

8. Deposit account number:

18-0882

(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.*

Rodney D. DeKruif

Name of Person Signing

Rodney DeKruif  
Signature

November 19, 2001

Date

Total number of pages including cover sheet, attachments, and document: [ 9 ]

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

MW\800319RDD:DMM November 19, 2001

PATENT  
REEL: 012319 FRAME: 0751

2. (continued)

Name and address of receiving party(ies)

Name: Cambridge University Technical  
Services Limited

Internal Address: The Old Schools, Trinity Lane  
Cambridge CB2 1TS UK

Street Address: The Old Schools, Trinity Lane

City: Cambridge Country: UK ZIP: CB2 1TS

PATENT

Attorney Docket No. 5994-A

For: ☒ U.S. and/or ☒ Foreign Rights

For: ☒ U.S. Application or ☐ U.S. Patent

By: ☒ Inventor(s) or ☐ Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

(inventor(s) or

person(s) or entity(ies)  
who own the invention)

Tobin J. Marks

(Type or print name(s) of ASSIGNOR(S))

2300 Central Park Avenue

Evanston, IL 60201

(Address)

United States

(Nationality)

(inventor(s) or

person(s) or entity(ies)  
who own the invention)

Antonio Facchetti

(Type or print name(s) of ASSIGNOR(S))

7701 N. Sheridan Road, #GARN

Chicago, IL 60626

(Address)

United States

(Nationality)

(inventor(s) or

person(s) or entity(ies)  
who own the invention)

(Type or print name(s) of ASSIGNOR(S))

(Address)

(Nationality)

*(If assignment is by person or entity to whom invention was previously assigned  
and this was recorded in PTO add the following)*

Recorded on \_\_\_\_\_

Reel \_\_\_\_\_

Frame \_\_\_\_\_

hereby sells, assigns and transfers to

ASSIGNEE:

\_\_\_\_\_  
(Type or print name of ASSIGNEE)  
\_\_\_\_\_  
633 Clark Street  
(Address)  
\_\_\_\_\_  
Evanston, IL 60208  
\_\_\_\_\_  
United States  
(Nationality)

and the successors, assigns and legal representatives of the ASSIGNEE  
(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent (\_\_\_\_\_ %) interest  
for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority,  
in and to any and all improvements which are disclosed in the invention entitled:

n-TYPE THIOPHENE SEMICONDUCTORS

(check and complete (a), (b), (c) or (d))

and which is found in

(a) ☐ U.S. patent application executed on even date herewith

(b) ☐ U.S. patent application executed on \_\_\_\_\_

☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an  
ASSIGNOR signing below, hereby authorize and request my attorney, as  
named in the Declaration and Power of Attorney I executed for this  
invention on the execution date stated above, to insert below the  
filing date and application number when it becomes known.

(c) ☒ U.S. application serial no. 09/915,210 on July 24, 2001.

(d) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_

☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

*(also check (e) if foreign application(s) is also being assigned)*

(e) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand the date indicated below.

*WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.*

Signature of ASSIGNOR(S)

Tobin J. Marks 10/17/01  
Tobin J. Marks (Date)

Antonio Facchetti 10/26/01  
Antonio Facchetti (Date)

*NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.*

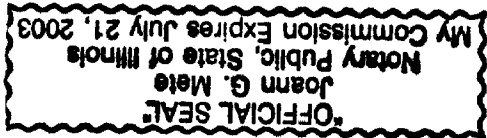
☒ Notarization or Legalization Page Added.

## NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT

Country COOK IL  
 and place of signing of assignment Northwestern University  
2145 Sheridan Rd  
Evanston, IL 60201

Before me this 22 day of Oct, 2001 personally appeared  
 Tobin J. Marks, to me known to be the person who is described in and who  
 executed the foregoing assignment instrument and acknowledged to me that he  
 executed the same of his own free will for the purpose therein expressed.

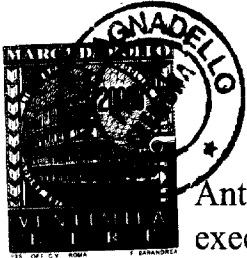
Joann G. Mate  
 Notary Public



My commission expires \_\_\_\_\_  
 County of \_\_\_\_\_  
 State of \_\_\_\_\_

## NOTARIZATION OR LEGALIZATION ACCOMPANYING ASSIGNMENT

Country ITALY  
 and place of signing of assignment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Before me this 26 day of ottobre, 2001 personally appeared  
 Antonio Facchetti, to me known to be the person who is described in and who  
 executed the foregoing assignment instrument and acknowledged to me that he  
 executed the same of his own free will for the purpose therein expressed.

COMUNE DI AGNADELLO  
 PROVINCIA DI CREMONA

A' sensi dell'articolo 20 della Legge 4 gennaio 1988, n. 15

si dichiara autentica la firma del Sig. Antonio Facchetti

apposta in mia presenza, la cui identità è stata da me  
 accertata mediante colloquio diretto  
 ed è valida solo se presentata agli organi della P.A.



Il Segretario Comunale o  
 Il Funzionario Incaricato

26 OTT. 2001

Marco D'Agnaello

Marco D'Agnaello  
 Notary Public

My commission expires \_\_\_\_\_  
 County of \_\_\_\_\_  
 State of \_\_\_\_\_

Attorney Docket No. 5994-A

For: ☒ U.S. and/or ☒ Foreign RightsFor: ☒ U.S. Application or ☐ U.S. PatentBy: ☒ Inventor(s) or ☐ Present Owner**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR:****(inventor(s) or****person(s) or entity(ies)  
who own the invention)**Henning Sirringhaus

(Type or print name(s) of ASSIGNOR(S))

Churchill College 73 WHITWELL WAY  
Coton, Cambridge, CB3 0DS 7PW *AKJ*

(Address)

United KingdomUK GERMAN *AKJ*

(Nationality)

**(inventor(s) or****person(s) or entity(ies)  
who own the invention)**Richard H. Friend

(Type or print name(s) of ASSIGNOR(S))

37 Barton RoadCambridge, CB3 9LG

(Address)

United KingdomUK

(Nationality)

**(inventor(s) or****person(s) or entity(ies)  
who own the invention)**

(Type or print name(s) of ASSIGNOR(S))

(Address)

(Nationality)

*(If assignment is by person or entity to whom invention was previously assigned  
and this was recorded in PTO add the following)*

Recorded on \_\_\_\_\_

Reel \_\_\_\_\_

Frame \_\_\_\_\_

hereby sells, assigns and transfers to

ASSIGNEE:

Cambridge University Technical Services Limited  
(Type or print name of ASSIGNEE)  
The Old Schools, Trinity Lane  
(Address)  
Cambridge CB2 1TS UK  
UK  
(Nationality)

and the successors, assigns and legal representatives of the ASSIGNEE  
(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent (\_\_\_\_\_ %) interest  
for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority,  
in and to any and all improvements which are disclosed in the invention entitled:

n-TYPE THIOPHENE SEMICONDUCTORS

(check and complete (a), (b), (c) or (d))

and which is found in

(a) ☐ U.S. patent application executed on even date herewith

(b) ☐ U.S. patent application executed on \_\_\_\_\_

☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an  
ASSIGNOR signing below, hereby authorize and request my attorney, as  
named in the Declaration and Power of Attorney I executed for this  
invention on the execution date stated above, to insert below the  
filing date and application number when it becomes known.

(c) ☒ U.S. application serial no. 09/915,210 on July 24, 2001.

(d) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_



☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

*(also check (e) if foreign application(s) is also being assigned)*

(e) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

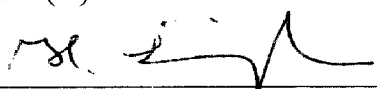
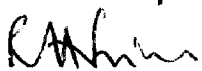
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand the date indicated below.

*WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.*

Signature of ASSIGNOR(S)

	13. Nov. 2001
Henning Sirringhaus	(Date)
	13 Nov. 2001
Richard H. Friend	(Date)

*NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.*

☒ Notarization or Legalization Page Added.