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Reel #014342 Frame #0526

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2.24-64

Conveyance Type

Assignment

License

Merger

Security Agreement

Change of Name

Other:

Conveying Party(ies)	Execution Date(s)
1. Toru OKA	May 13, 2002
2. Hajime NAKAJIMA	May 13, 2002
3. Masahiro SHIKAI	May 13, 2002
4. Akihide SHIRATSUKI	May 13, 2002
5. Jurgen MOHR	May 13, 2002
6. Ulrike WALLRABE	May 13, 2002
<input checked="" type="checkbox"/> Mark if Additional Names of Conveying Parties Attached	

Receiving Party

Name Mitsubishi Denki Kabushiki Kaisha

Name

Address 2-3, Marunouchi 2-chome, Chiyoda-ku

Address

Address Tokyo Japan 100-8310

City State/Country Zip Code

Mark if Additional Names of Receiving Parties Attached

Correspondent Name and Address

Jeffrey A. Wyand
Leydig, Voit & Mayer
700 Thirteenth St., N.W. Suite 300
Washington, D.C. 20005-3960

Telephone: (202) 737-6770
Facsimile: (202) 737-6776
Attorney Docket No. 402156/SHINSEI

Pages Enter the total number of pages of the attached conveyance document including any attachments: 7

Application Number(s) or Patent Number(s) Mark if additional numbers attached
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Numbers	Patent Numbers
<u>10/182,770</u>	

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)
Enter PCT application number *only* if a U.S. Application Number has not been assigned.

PCT	PCT	PCT
PCT	PCT	PCT

Number of Properties Enter the total number of properties involved: 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41):

Method of Payment:

Enclosed is a check in the amount of \$

Charge Deposit Account No. 12-1216

Authorization to Charge Additional Fees to Deposit Account No. 12-1216: Yes No

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. Charges to deposit account are authorized, as indicated herein.

Jeffrey A. Wyand Name of Person Signing	 Signature	February 24, 2004 Date
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PATENT

Conveying Party(ies)

7. Uwe HOLLENBACH
8.
9.
10.
11.
12.

Execution Date(s)

May 13, 2002

Receiving Party(ies)

Name Forschungszentrum Karlsruhe GmbH
Name
Address Herman-von-Helmholtz-Platz 1
Address
Address Eggenstein-Leopoldshafen Germany D-76344
 City State/Country Zip Code

Name
Name
Address
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Address

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Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

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PCT	PCT	PCT
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DT20 Rec'd PCT/770 01 AUG 2002

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Submission Type

- Submission options: New, Resubmission, Correction of PTO Error, Corrective Document

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Conveyance Type

- Conveyance options: Assignment, License, Merger, Security Agreement, Change of Name, Other

Conveying Party(ies)

- Conveying parties: Toru OKA, Hajime NAKAJIMA, Masahiro SHIKAI, Akihide SHIRATSUKI, Jurgen MOHR, Ulrike WALLRABE

Execution Date(s)

- Execution dates: May 13, 2002

Mark if Additional Names of Conveying Parties Attached

Receiving Party

Name: Mitsubishi Denki Kabushiki Kaisha, Address: 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

100-8310 Zip Code

Mark if Additional Names of Receiving Parties Attached

Correspondent Name and Address

Jeffrey A. Wyand, Leydig, Voit & Mayer, 700 Thirteenth St., N.W. Suite 300, Washington, D.C. 20005-3960

Telephone: (202) 737-6770, Facsimile: (202) 737-6776, Attorney Docket No. 402156/SHINSEI

Pages: Enter the total number of pages of the attached conveyance document including any attachments: 2

Application Number(s) or Patent Number(s)

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10 182 770

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year: May 13, 2002

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

Table with PCT application numbers: JP00/08751

Number of Properties

Enter the total number of properties involved: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): 40.00

Method of Payment:

- Payment options: Enclosed is a check in the amount of \$930.00, Charge Deposit Account No. 12-1216

Authorization to Charge Additional Fees to Deposit Account No. 12-1216: Yes No

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.

Jeffrey A. Wyand

Name of Person Signing

Signature of Jeffrey A. Wyand, August 1, 2002

Signature

Date

Assignment Tml P1

PATENT

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10/102770
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Attorney Docket No.402156

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Conveying Party(ies)

7. Uwe HOLLENBACH
 8.
 9.
 10.
 11.
 12.

Execution Date(s)

May 13, 2002

Receiving Party(ies)

Name	Forschungszentrum Karlsruhe GmbH		
Name			
Address	Herman-von-Helmholtz-Platz 1,		
Address			
Address	<u>Eggenstein-Leopoldshafen</u>	<u>Germany</u>	<u>D-76344</u>
	City	State/Country	Zip Code

Name			
Name			
Address			
Address			
Address			
	City	State/Country	Zip Code

Application Number(s) or Patent Number(s)

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Patent Application Numbers

Patent Numbers

Patent Application Numbers			Patent Numbers		

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Month Day Year
 May 13, 2002

Patent Cooperation Treaty (PCT)

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PCT /JP00/08751	PCT	PCT
PCT	PCT	PCT

Assignment Tml P2

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is acknowledged, the undersigned,
Toru OKA, Hajime NAKAJIMA, Masahiro SHIKAI and Akihide SHIRATSUKI, all of
c/o MITSUBISHI DENKI KABUSHIKI KAISHA and
Jurgen MOHR, Ulrike WALLRABE and Uwe HOLLENBACH, all of c/o

~~of~~ Forschungszentrum Karlsruhe GmbH

sells, assigns, and transfers to
MITSUBISHI DENKI KABUSHIKI KAISHA of 2-3, Marunouchi 2-chome, Chiyoda-ku,
Tokyo 100-8310 Japan and
Forschungszentrum Karlsruhe GmbH of Herman-von-Helmholtz-Platz 1,
of D-76344, Eggenstein-Leopoldshafen Germany


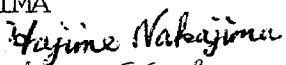
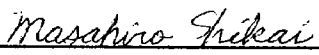

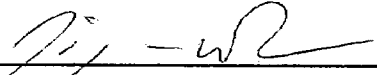

(the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled:
"OPTICAL DISTANCE SENSOR"
_____ which was executed by the undersigned on May 13, 2002 ~~x2000~~ or was
filed on _____ and accorded Serial No. _____
(the Application);
- (ii) any and all inventions and improvements that are described in the Application;
- (iii) any and all United States Letters Patents that may be granted on the Application
(the Patent);
- (iv) any and all divisions, continuations, reexaminations, reissues, or extensions of the
Application or the Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial
Property.

I authorize the Assignee and its agents to insert in this instrument the filing date and serial number of the Application.

I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

Further, it is agreed that, when requested, without charge to, but at the expense of, the Assignee, the undersigned will execute all divisional, continuing, or reissue patent applications; execute all additional assignments and other writings, including reissue and reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection for any invention described in the Application.

INVENTOR	Date	Witness
Toru OKA	May 13, 2002	
		
Hajime NAKAJIMA	May 13, 2002	
		
Masahiro Shikai		
Masahiro SHIKAI	May 13, 2002	
<i>2002.5.13 Masahiro Shikai</i>		
		
Akihide SHIRATSUKI	May 13, 2002	
		
Jurgen MOHR	May 13, 2002	
		
Ulrike WALLRABE	May 13, 2002	
		
Uwe HOLLENBACH	May 13, 2002	
