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| TON DE GROOT JACOBUS JOHANNES LEONARDUS HENDRICUS VERSPAY | Internal Address: |
| GERARDUS EVERARDUS MARIE HANNEN | |
| Execution Date(s) 4/23/05; 4/13/05; 4/13/05; 4/13/05 | Charak Addunger D. B (501 |
| Additional name(s) of conveying party(ies) attached? X Yes No | Street Address: De Run 6501 |
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| Assignment Merger | City: Veldhoven |
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| Other | Additional name(s) & address(es) attached? Yes X No |
| A. Patent Application No.(s) 11/002,454 | document is being filed together with a new application. B. Patent No.(s) ached? Yes XNo |
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| C Name and address to them as a second and | C. Tatal words and annulis attended and materials |
| 5. Name and address to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: |
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Atty. Dkt. P 313831

P-2071.000-US

Client Ref.

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ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

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| | (1) RONALD JOHANNES HULTERMANS | (2) TON DE GRO | |
| ME(S) OF | (3) JACOBUS JOHANNUS LEONARDUS HENDRICUS VERSPAY | | VERARDUS MARIE HANNE |
| ENTOR(S) | (5) | (6) | |
| | (7) | x box it cont | linued on page 2 |
| receipt an I transfer(s | d sufficiency of which are hereby acknowledged by the undersigned by t | ed who at the reques | t of, hereby sell(s), assign(s) |
| ERT | ASML Netherlands B.V. | | |
| ME(S) OF | De Run 6501 | | |
| SIGNEE(S) | NL-5504 DR Veldhoven | | |
| DDRESS(E | S) The Netherlands | | |
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| LE OF ENTION | LITHOGRAPHIC APPARATUS AND DEVICE MANUFACT | TURING METHOD | |
| <u>TE</u> → → | for which the undersigned executed an application for Lett (A) even date herewith (B) on | ers Patents of the Un | ited States of America: |
| <u>TE</u> → → emplete e A, B and/o | (A) ☐ even date herewith (B) ☐ on or C) (C) ☒ in U.S. Appln. No. 11/002,454 | filed Decemb | per 3, 2004 |
| mplete A, B and/c | (A) even date herewith (B) on or C) (C) in U.S. Appln. No. 11/002,454 AND the undersigned hereby authorize(s) and request(s) the United States Commisor its interest as ASSIGNEE, its successors, assigns and legals representatives; the understead of said ASSIGNEE; | filed Decemb sioner of Patents and Traden igned agree(s) that the attorn | per 3, 2004 narks to issue said Letters Patent to the ney of record in said application shall |
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PATENT

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M# Client Ref.

ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

| In country | onsideration of the sum of Ten Dollars (\$10.00) and other good and | f valuable considera | tion paid to each of the |
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| INSERT | | (2) TON DE GRO | OOT |
| NAME(S) OF | (1) RONALD JOHANNES HULTERMANS (3) JACOBUS JOHANNUS LEONARDUS HENDRICUS VERSPAY | | EVERARDUS MARIE HANNEN |
| INVENTOR(S) | p | (6) | EVERANCE WARRE HANNEN |
| INVENTOR(O) | (7) | | tinued on page 2 |
| | <u> </u> | 1 | |
| the receipt ar and transfer(s | nd sufficiency of which are hereby acknowledged by the undersigners) unto: | ed who at the reque | st of, hereby sell(s), assign(s) |
| INSERT | ASML Netherlands B.V. | | |
| NAME(S) OF | De Run 6501 | | |
| ASSIGNEE(S) | NL-5504 DR Veldhoven | | |
| & ADDRESS(| ES) The Netherlands | | |
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| TITLE OF INVENTION | LITHOGRAPHIC APPARATUS AND DEVICE MANUFACT | TURING METHOD | |
| hereinafter act on essential by ASSIC NOTE → → | AND the undersigned hereby authorize(s) and request(s) the United States Commissor its interest as ASSIGNEE, its successors, assigns and legals representatives; the undersibehalf of said ASSIGNEE; AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred. The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to | sioner of Patents and Trade igned agree(s) that the atto EE, its successors, assigns | mey of record in said application shall and legal representatives, deemed |
| | document. NVENTORS | DATE SIGNED | WITNESSES |
| 2) | RONALD JOHANNES HOLTERMANS | 3 April '05 | <u>Ynie rebens</u> |
| Name: 7 | ON DE GROOT | | Youne Trienekens |
| | ACOBUS JOHANNUS LEONARDUS HENDRICUS VERSPAY | | |
| Name: 0 | GERARDUS EVERARDUS MARIE HANNEN | | |
| Name: | | | |
| 6) | | | |
| Name: | | | |
| 7) | | | |
| Name: | | | |

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PAT-114 1/00

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(3) JACOBUS JOHANNUS LEONARDUS HENDRICUS VERSPAY

USA Patent Appln. Sole or Joint

For Inventions made outside USA executed with or after application

Atty. Dkt. P 313831 P-2071.000-US Client Ref.

(4) GERARDUS EVERARDUS MARIE HANNEN

NONPROVISIONAL

NONPROVISIONAL

NAME(S) OF

ASSIGNMENT OF NONPROVISIONAL APPLICATION

| İr | n consideration of the sum of Ten Dollars (\$10.00) and otl | her good and valuable consideration paid to each of the |
|-----------|---|---|
| undersign | ed, to wit: | |
| INSERT | (1) RONALD JOHANNES HULTERMANS | (2) TON DE GROOT |

| INVENTOR(S) (5) | | (6) | |
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| the receipt and suffi and transfer(s) unto | ciency of which are hereby acknowledged by the unders : | igned who at the reque | est of, hereby sell(s), assign(s) |
| INSERT | ASML Netherlands B.V. | | |
| NAME(S) OF | De Run 6501 | | |
| ASSIGNEE(S) | NL-5504 DR Veldhoven | | |
| & ADDRESS(ES) | The Netherlands | | |
| | SIGNEE") the entire right, title and interest for the United States of America a nuations, substitutes, and reissues thereof; and all resulting patents, known as | | e invention and all applications including |
| TITLE OF INVENTION | LITHOGRAPHIC APPARATUS AND DEVICE MANUF. | ACTURING METHOD | |
| | for which the undersigned executed an application for l | Letters Patents of the L | Inited States of America: |
| NOTE → → (Complete | (A) ☐ even date herewith (B) ☐ on | | |
| line A, B and/or C) | (C) ⊠ in U.S. Appln. No11/002,454 | filed Decem | nber 3, 2004 |
| said ASSIGNEE, for its inte hereinafter act on behalf of AN essential by ASSIGNEE to | ID the undersigned hereby authorize(s) and request(s) the United States Con rest as ASSIGNEE, its successors, assigns and legals representatives; the un said ASSIGNEE; ID the undersigned hereby agree(s) to testify and execute any papers for ASS ASSIGNEE'S full protection and title in and to the invention hereby transferred e undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above addre- | dersigned agree(s) that the attorion description assigns is successors, assigns is the contract of the contrac | omey of record in said application shall and legal representatives, deemed |
| recordation of this documen | ıt. | - | • |
| 1) INVENT | <u>rors</u> | DATE SIGNED | WITNESSES |
| Name: RONAL 2) | D JOHANNES HULTERMANS | | |
| Name: TON DE 3) | GROOT | 13April '05 | Thie nekons |
| Name: JACOBI | US JQHANNUS LEONARDUS HENDRICUS VERSPAY | , | Yvonne Trienekens |
| Name: GERAR 5) | DUS EVERARDUS MARIE HANNEN | | |
| Name: | | | |
| Name: | | | |
| 7) | | | |
| Name: | | | |

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PAT-114 1/00

PATENT REEL: 016494 FRAME: 0961

RECORDED: 04/25/2005

FOR INVENTIONS Made outside USA executed with or after application

Atty. Dkt. P 313831 P-2071,000-US

USA Patent Appln. Sole or Joint

Pillsbury Winthrop LLP Intellectual Property Group P.O. Box 10500 McLean, VA 22102

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

Client Ref.

| undersigned, to wit | | | |
|---|--|---|--|
| INSERT (1) | RONALD JOHANNES HULTERMANS | (2) TON DE GRO | ОТ |
| | JACOBUS JOHANNUS LEONARDUS HENDRICUS VERSPAY | | VERARDUS MARIE HANNEN |
| INVENTOR(S) (5) | | (6) | |
| (7) | | | nued on page 2 |
| and transfer(s) unto | ficiency of which are hereby acknowledged by the undersigned or | who at the request | of, hereby sell(s), assign(s) |
| INSERT | ASML Netherlands B.V. | | |
| NAME(S) OF | De Run 6501 | | |
| ASSIGNEE(S) | NL-5504 DR Veldhoven | | |
| & ADDRESS(ES) | The Netherlands | | |
| | | | |
| | SSIGNEE") the entire right, title and interest for the United States of America as define huations, substitutes, and reissues thereof; and all resulting patents, known as | ed in 35 U.S.C. 100, in the i | nvention and all applications including |
| TITLE OF INVENTION | LITHOGRAPHIC APPARATUS AND DEVICE MANUFACTU | JRING METHOD | |
| NOTE → → (Complete | (A) even date herewith | | |
| line A, B and/or C) All said ASSIGNEE, for its inthereinafter act on behalf of All essential by ASSIGNEE to NOTE → → Ti | ND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE ASSIGNEE'S full protection and title in and to the Invention hereby transferred. The undersigned hereby authorize(s) Pilisbury Winthrop LLP of the above address to in- | ned agree(s) that the attorned is successors, assigns are | arks to issue said Letters Patent to the ey of record in said application shall ad legal representatives, deemed |
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