503553579 11/04/2015

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | RESUBMISSION |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | CHANGE OF NAME |
| RESUBMIT DOCUMENT ID: | 503531999 |

CONVEYING PARTY DATA

| Name | Execution Date |
|--|----------------|
| AZ ELECTRONIC MATERIALS (GERMANY) GMBH | 03/11/2015 |

RECEIVING PARTY DATA

| Name: | MERCK PERFORMANCE MATERIALS GMBH |
|-----------------|----------------------------------|
| Street Address: | RHEINGAUSTRASSE 190-196 |
| City: | WIESBADEN |
| State/Country: | GERMANY |
| Postal Code: | 65203 |

PROPERTY NUMBERS Total: 11

| Property Type | Number |
|----------------|---------|
| Patent Number: | 7019811 |
| Patent Number: | 5498506 |
| Patent Number: | 5731132 |
| Patent Number: | 7052742 |
| Patent Number: | 6677479 |
| Patent Number: | 7431858 |
| Patent Number: | 6482479 |
| Patent Number: | 6704086 |
| Patent Number: | 6661494 |
| Patent Number: | 6551668 |
| Patent Number: | 6605323 |

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503553579 REEL: 036953 FRAME: 0222

PATENT

| NAME OF SUBMITTER: | HELEN BIRRELL |
|--------------------|---------------------------------|
| SIGNATURE: | /H/BIRRELL/IPR/SM/MERCK/CN11PT/ |
| DATE SIGNED: | 11/04/2015 |

Total Attachments: 8

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PATENT REEL: 036953 FRAME: 0223

Certified translation from German [Beginning of translation from the German language]

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HRB 21235

[illegible]
Retrieval of September 30, 2015 11:01 a.m.

Commercial Register B of the Local Court of Wiesbaden

Company No. Page 1 of 6

| Entry | a) Company name b) Registered office, branch office, domestic | Registered or nominal | a) General provisions of representation b) Executive board, management body, | Power of procuration | a) Legal form, start, statutes or articles of incorporation | a) Date of entry b) Comments |
|-------|---|-----------------------|---|----------------------|---|---------------------------------|
| | | capital | executive directors, personally liable partners, managing directors, authorized | | b) Other legal relationships | DΑ |
| | c) Object of business | | representatives and special power of representation | | | |
| | 2 | ω | 4 | 5 | 6 | 7 |
| 1 | | 25,000.00 | a) a) a) | | a) | a) |
| | wing Achtzennte vermogensverwaltungs- GmbH | FUR | If only one managing director is appointed, he is the sole representative. If several managing | | Limited liability company [Gesellschatt mit beschränkter Haftung] | June 24, 2004 |
| | D) | | directors are appointed, two of them represent | | Articles of association of June 8, 2004 | b) Resolution sheet 4 et sean. |
| | Wiesbaden | | jointly with an authorized representative. | | | special volume |
| | 0) | | b) | | | sheet 7 et segq. special |
| | Management of own assets | | Managing director: | | | volume |
| | | | Pacho, Norbert, Wiesbaden, *October 17, 1947 Sole nower of representation, with the | | | |
| | | | authorization to enter into legal transactions on | | | |
| | | | behalf of the company with himself in his own | | | |
| | | | 50.00 | | | |
| N | a) AZ Electronic Materials Holdings GmbH | | Appointed as | | a) The partners' meeting of August 24, 2004 | a) September 30, 2004 |
| | c) | | managing <u>director:</u> Dutton, Michael, Paris/France, *July 20, 1965 | | resolved an amendment of the articles of incorporation in Secs. 1 (1) (company name), 2 | EI-Mounaoui |
| | Acquisition as well as ownership and | | Sole power of representation; with the | | (object of business) and 3 (nominal capital), | b) |
| | management of shares in other companies, in | | authorization to enter into legal transactions on hehalf of the company with himself in his own | | deletion of Secs. 7 (annual net profit, profit | Resolution sheet 12 et |
| | production and sale of electronic materials and | | name or as representative of a third party. | | with it in particular the amendment of the | special volume |
| | components for printing plates as well as | | | | company name and the object of business. | articles of incorporation |
| | services in the field of materials technology. | | Appointed as managing director: | | Sec. 8 and has become Sec. / new version of the articles of incorporation. | volume |
| | | | Schuster, Michael, Munich, *February 16, 1971 Sole power of representation; with the | | | |
| | | | authorization to enter into legal transactions on behalf of the company with himself in his own name or as representative of a third party. | | | |
| | | | Appointed as | | | |
| | | | managing director: Easton, Robert, London/Great Britain, *March 10, 1963 Sole nower of representation, with the | | | |
| | | | authorization to enter into legal transactions on behalf of the company with himself in his own | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

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REEL: 036953 FRAME: 0224

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| 1 | Entry number | |
|---|---|--------|
| 2 | a) Company name b) Registered office, branch office, domestic or nominal business address, authorized recipient, capital branch establishments c) Object of business | |
| 3 | | |
| 4 | a) General provisions of representation b) Executive board, management body, executive directors, personally liable partners, managing directors, authorized representatives and special power of | |
| 5 | Power of procuration | |
| 6 | a) Legal form, start, statutes or articles of incorporation b) Other legal relationships | |
| 7 | a) Date of entry b) Comments | |
| 0 | PATEN 36953 FR | Γ A |

| | \vdash | | |
|--|----------|---|---|
| | 2 | a) Company name b) Registered office, branch office, domestic or nominal business address, authorized recipient, branch establishments c) Object of business | |
| | ы | Registered or nominal capital | |
| name or as representative of a third party. No longer managing director: Pacho, Norbert, Wiesbaden, *October 17, 1947. | 4 | a) General provisions of representation b) Executive board, management body, executive directors, personally liable partners, managing directors, authorized representatives and special power of | Refrieval of September 30, 2015 1.01 a.m. |
| | 5 | Power of procuration | ט. צעוט וו:עו a.m. |
| | 0 | a) Legal form, start, statutes or articles of incorporation b) Other legal relationships | Tage A OI 6 |
| | 7 | a) Date of entry b) Comments | |
| REEL: | 0 | PATENT 36953 FRA | ľ |

a)
AZ Electronic Materials (Germany) GmbH

the entire field of materials technology and electronic materials and rendering services in well as of precursors for the production of materials and components for printing plates as Development, production and sale of electronic

Sole power of representation.

Joint power of procuration together with one

managing director: November 5, 1946

Dr. Silvestre, Pierre, Wiesbaden, Dr. Thamm, Horst-Dieter, Eschborn,

April 28, 2005 Reim

seqq. special volume Application sheet 126 et

seqq. special volume Application sheet 73 et *September 3, 1955

Dr. Dübal, Hans-Rolf, Eltville am Rhein,

managing director: Appointed as Sole power of representation.

and thus the amendment of the company name and the object of business.

Sheet 121 et seqq. special

Articles of incorporation

volume

of the articles of incorporation in Sec. 1 (1) and December 14, 2004 resolved an amendment The partners' meetings of December 13, 2004

Keßler December 12, 2004

(company name) and Sec. 2 (object of business)

the transferring entity of the same date, the

Pursuant to the merger agreement of

December 13, 2004 and the approval resolutions

and

Approval resolutions

company as the acquiring entity merged with of its partners' meeting and the general meeting of

volume

sheet 79 et seqq. special merger agreement

Clariant AZ (Deutschland) AG located in Frankfurt

am Main (Local Court of Frankfurt am Main HRB 57890).

Reim March 9, 2005 April 6, 1961

managing director: Appointed as

Dr. Zimmermann, Andreas, Griesheim,

No longer

Sole power of representation.

*December 17, 1948

managing director: Greatbatch, Ken, Bucks, Great Britain,

Appointed as

ME: 0225

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Retrieval of September 30, 2015 11:01 a.m. [*illegible*] Page 3 of 6

| Entry a) Company name b) Registered office, branch office, domestic business address, authorized recipient, branch establishments c) Object of business 1 2 | 7 | 00 | ဖ | 10 |
|---|--|--|--|---|
| a) Company name b) Registered office, branch office, dome business address, authorized recipient, branch establishments c) Object of business 2 | | | | |
| stic | | | | |
| Registered or nominal capital | | | | |
| a) General provisions of representation b) Executive board, management body, executive directors, personally liable partners, managing directors, authorized representatives and special power of representatives and special power of representation 4 Dutton, Michael, Paris/France, *July 20, 1965 b) No longer managing director: Schuster, Michael, Munich, *February, 16, 1971 No longer managing director: Easton, Robert, London/Great Britain, *March 10, 1963 | b) No longer managing director: Schuster, Michael, Munich, *February, 16, 1971 No longer managing director: Easton, Robert, London/Great Britain, 'March 10, 1963 | No longer Managing director: Dr. Zimmermann, Andreas, Griesheim, "April 6, 1961 Appointed as managing director: Dr. Meier, Michael, Liederbach, "April 13, 1958 Sole power of representation; with the authorization to enter into legal transactions on behalf of the company with himself in his own name or as representative of a third party. | b) No longer managing director: Dr. Dübal, Hans-Rolf, Wiesbaden, "September 3, 1955 | b) <u>Deleted again for technical reasons:</u> <u>No longer</u> |
| Power of procuration 5 | | Power of procuration ceased: Dr. Silvestre, Pierre, Wiesbaden, *August 29, 1962 | | |
| a) Legal form, start, statutes or articles of incorporation b) Other legal relationships 6 | | | | |
| a) Date of entry b) Comments 7 b) Application sheet 131 et seqq. special volume Resolution sheet 133 special volume 3 July 12, 2007 Schreiner-Stephan b) Case 9 | a) July 12, 2007 Schreiner-Stephan b) Case 9 | a) January 18, 2008 Schreiner-Stephan b) Case 10 | a) August 12, 2008 Schreiner-Stephan b) Case 11 | a) August 28, 2008 |
| PATEN' | | | | |

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REEL: 036953 FRAME: 0226

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Commerci

Entry number

⇉

b) Business address:

managing director:
Dr. Dübal, Hans-Rolf, Etville am Rhein,
*September 3, 1955

Power of procuration ceased:
Dr. Thamm, Horst-Dieter, Eschborn,

*November 5, 1946

representation

Wiesbaden

Rheingaustraße 190-196, 65203

12

4

b) Appointed as

a

Sole power of representation; with the authorization to enter into legal transactions on

name or as representative of a third party. behalf of the company with himself in his own Appointed as managing director:
Powell, Michael, Cobham, *November 30, 1967

Greatbatch, Ken, Bucks, Great Britain,
*December 17, 1948

b) Case 15

September 6, 2011 Boos

managing director: No longer 3

Sole power of representation, with the authorization to enter into legal transactions on behalf of the company with himself in his own

name or as representative of a third party.

managing director:
Wild, Geoffrey, Causeway Bay, Hong Kong,

*June 3, 1956

b) Case 14

July 9, 2010 Boos

b) Case 13

Boos

a) February 16, 2010

Entered ex officio.

b) Case 12

Appointed as

| nercial Register B of the Local Court of Wiesbader | Wiesbaden | [illegible] Retrieval of September 30, 2015 11:01 a.m | 2015 11:01 a.m. | [illegible] Page 4 of 6 | [illegible] | Γ |
|--|------------|---|----------------------|---|------------------|----|
| a) Company name | Registered | a) General provisions of representation | Power of procuration | a) Legal form, start, statutes or articles of | a) Date of entry | N- |
| b) Registered office, branch office, domestic | or nominal | b) Executive board, management body, | | incorporation | b) Comments | E |
| business address, authorized recipient, | capital | executive directors, personally liable | | b) Other legal relationships | | Ŧ |
| branch establishments | | partners, managing directors, authorized | | | | A |
| c) Object of business | | representatives and special power of | | | | P |

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| | Entry number | 1 | | ភ | 16 | 17 |
|---|--|--------|---|---|---|---|
| | a) Company name b) Registered office, branch office, domestic business address, authorized recipient, branch establishments c) Object of business | 2 | | | | a) Merck Pervormance Materials GmbH |
| | Registered or nominal capital | 3 | | | | |
| | a) General provisions of representation b) Executive board, management body, executive directors, personally liable partners, managing directors, authorized representatives and special power of representation | 4 | managing director: Pinzka, Alexander, Taunusstein, *July 31, 1988 Sole power of representation; with the authorization to enter into legal transactions on behalf of the company with himself in his own name or as representative of a third party. Personal data amended. now: Manaoing director: Powell, Michael, Toscana, The Chase, East Horsley. *November 30, 1967 Sole power of representation; with the authorization to enter into legal transactions on behalf of the company with himself in his own name or as representative of a third party. | b) No longer Manacing director: Powell, Michael, Toscana, The Chase, East Horsley, *November 30, 1967 No longer Manacing director. Wild, Geoffrey, Causeway Bay, Hong Kong, *June 3, 1956 | b) Appointed as Appointed as managing director: Dr. Patzlaff, Jürgen, Darmstadt, *June 6, 1967 with the authorization to enter into legal transactions on behalf of the company with himself in his own name or as representative of a third party. | |
| | Power of procuration | თ | | | | |
| | a) Legal form, start, statutes or articles of incorporation b) Other legal relationships | 6 | | | | a) The partners' meeting of February 23, 2015 resolved the reformulation of the articles of incorporation, in particular the amendment in Sec. 1 (company, registered office). |
| | a) Date of entry b) Comments | Boos 7 | Boos b) Case 17 | a) September 2, 2013 Boos b) Case 18 | a) February 12, 2015 Boos b) Case 20 | a) March 11, 2015 Boos |
| Τ | ' PATEN | | | l | I | |

PATENT REEL: 036953 FRAME: 0228

number Entry

18

19

Dr. Meier, Michael, Liederbach, *April 13, 1958

Case 23

June 25, 2015

Gorsler

managing director: No longer

a)

Company name corrected ex officio, now: business address, authorized recipient, branch establishments a) Company name
b) Registered office, branch office, domestic Merck Performance Materials GmbH c) Object of business capital or nominal Registered a) General provisions of representation
 b) Executive board, management body,
 executive directors, personally liable
 partners, managing directors, authorized representation representatives and special power of [illegible]
Retrieval of September 30, 2015 11:01 a.m. Power of procuration incorporation
b) Other legal relationships a) Legal form, start, statutes or articles of [*illegible*] Page 6 of 6 a) Date of entry b) Comments typing error. Entry of March 11, 2015, Entered ex officio: corrected with regard to March 11, 2015 Case 21 serial no. 17, column 2 a) [illegible] PATENT

REEL: 036953 FRAME: 0229

I hereby certify that the printout created by myself,

Attorney-at-Law **Stefanie EISELE** as officially appointed representative of the notary **Matthias ALLWINN** with official residence in Darmstadt,

is a true copy of the content of this document displayed to me on the screen.

The electronic document is an excerpt from the commercial register, which I created today, this September 30, 2015 from the common register of the federal states of Germany – www.handelsregister.de – (automatic retrieval procedure).

[Stamp: Matthias Allwinn, Notary in Darmstadt]

[Signature: illegible]
-Eisele, Attorney-at-Lawas officially appointed representative
of the notary Matthias Allwinn

[End of translation from the German language]

PATENT REEL: 036953 FRAME: 0230 As duly appointed and sworn translator for the English language by the President of the Regional Court of Munich I, I certify that the foregoing is, to the best of my knowledge and belief, a true and correct translation of the scan copy of the German document presented to me.

Swarn

Diana Taferishofer Schwadhalarsir, 113 80339 München

transla

Munich, this 20th day of October 2015

Diana Tafertshofer

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RECORDED: 10/21/2015