502598386 12/11/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2644674

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| ANDREAS HUHMANN | 09/05/2013 |
| KLAUS SPERLICH | 09/04/2013 |
| JOHN WITT | 09/04/2013 |
| VOLKER KLANKE | 09/09/2013 |
| JAN DRESCHER | 09/04/2013 |

RECEIVING PARTY DATA

| Name: | HARTING ELECTRIC GMBH & CO. KG |
|-----------------|--------------------------------|
| Street Address: | WILHELM-HARTING-STR. 1 |
| City: | ESPELKAMP |
| State/Country: | GERMANY |
| Postal Code: | 32339 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14006283 |

CORRESPONDENCE DATA

Fax Number: (520)882-7643 Phone: 520-882-7623

Email: cgee@hayes-soloway.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: NORMAN P. SOLOWAY

Address Line 1: 4640 E. SKYLINE DRIVE

Address Line 4: TUCSON, ARIZONA 85718

| ATTORNEY DOCKET NUMBER: | SPEISER HA4775-02 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | NORMAN P. SOLOWAY |
| | |

REEL: 031759 FRAME: 0637

PATENT

502598386

| Signature: | /norman p. soloway/ |
|---|---------------------|
| Date: | 12/11/2013 |
| Total Attachments: 5 source=assignments#page1.tif source=assignments#page2.tif source=assignments#page3.tif source=assignments#page4.tif source=assignments#page5.tif | |

ASSIGNMENT

| I, Andreas Huhmann of Espelkamp, Germany, having invented certain inventions and improvements in ADMINISTRABLE POWER NETWORK HAVING A DATA |
|--|
| TRANSMISSION FUNCTION and having executed an application for Letters Patent of the |
| United States of America describing the same and based thereon on the 5th day of |
| September 2013 (U.S. Patent Application Serial No. 14/006,283 , filed |
| September 19, 2013), for good and valuable consideration, the receipt of which is hereby |
| acknowledged from HARTING ELECTRIC GMBH & CO. KG, a German corporation naving its |
| principal place of business at Wilhelm-Harting-Str. 1, 32339 Espelkamp, Germany (herematter |
| called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and |
| assigns my entire right, title, and interest, in and to said invention in the United States of |
| America, including all rights, title and interest in the above-mentioned application and any |
| divisional, continuing or reissue application or applications and any patent which may be issued |
| on the said invention in the United States of America; |
| The state of the s |
| And for the same consideration I do agree that I will upon request execute any instrument |
| which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application; |
| transferred nereby or prosecute the above-mentioned appreciation, |
| And I do hereby authorize and request the Commissioner of Patents and Trademarks of |
| the United States of America to issue Letters Patent on the said application to the Assignee; |
| |
| And I do hereby jointly and severally covenant for myself and for my legal |
| representatives that I have granted no right or license to make, use, or sell said invention to |
| anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in |
| and to said inventions or any of them or any part thereof has not been otherwise encumbered by |
| me, and that I have not executed and will not execute any instrument in conflict herewith. |
| we wanted a surrent of the land and and and and and day and year |
| IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year |
| hereinafter noted. |
| |
| Inventor's signature Date 2013-09-05 |
| Full name (typed or printed) Andreas Huhmann |
| Turname (typed of pulmed) Timerous Training |
| |
| Witness: how Year Witness: 100 Dade |
| Date: 2013-09-05 Date: 2013-09-05 |

ASSIGNMENT

| I, Klaus Sperlich of Roedinghausen, Germany, having invented certain inventions and |
|--|
| improvements in ADMINISTRABLE POWER NETWORK HAVING A DATA |
| TRANSMISSION FUNCTION and having executed an application for Letters Patent of the |
| United States of America describing the same and based thereon on the 4th day of |
| September 20.13 (U.S. Patent Application Serial No. 14/006,283 miled |
| September 19, 2013 A for good and valuable consideration, the receipt of which is nerely |
| acknowledged from HARTING ELECTRIC GMBH & CO, KG, a German corporation having its |
| principal place of business at Wilhelm-Harting-Str. 1, 32339 Espelkamp, Germany (neremanor |
| called the Assignee) do hereby sell, assign and transfer unto the Assignee, its successors, and |
| assigns my entire right title, and interest, in and to said invention in the United States of |
| A merica, including all rights, title and interest in the above-mentioned application and any |
| divisional, continuing or reissue application or applications and any patent which may be issued |
| on the said invention in the United States of America; |
| |
| And for the same consideration I do agree that I will upon request execute any instrument |
| which the Assignee may desire to carry this Assignment into effect and perfect the title |
| transferred hereby or prosecute the above-mentioned application; |
| |
| And I do hereby authorize and request the Commissioner of Patents and Trademarks of |
| the United States of America to issue Letters Patent on the said application to the Assignee; |
| |
| And I do hereby jointly and severally covenant for myself and for my legal |
| representatives that I have granted no right or license to make, use, or sell said invention to |
| The Accionse that prior to the execution of this deed my right, this, and interest in |
| anyone except the Assignee, that prior to the except the Assignee, that prior to the except the Assignee, that prior to the except the except the except the except that prior to the except the except the except that period to the except that prior to the except that prio |
| me, and that I have not executed and will not execute any instrument in conflict herewith. |
| me, and that I have not executed and will not expedite any |
| IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year |
| |
| hereinafter noted. |
| |
| Inventor's signature Illicus Special Date 2013 - 09 - 04 |
| Full name (typed or printed) Klaus Sperlich |
| Fill name (types of princes) Kiaus operior |
| |
| Witness: North May Witness: Utt Back |
| Witness: North May Witness: 117 Backe Date: 2013-09-04 Date: 2013-09-04 |
| |

<u>ASSIGNMENT</u>

| I, John Witt of Detmold, Germany, having invented certain inventions and improvements in ADMINISTRABLE POWER NETWORK HAVING A DATA TRANSMISSION FUNCTION and having executed an application for Letters Patent of the United States of America describing the same and based thereon on the 4th day of September 2013 (U.S. Patent Application Serial No. 14/006,283 , filed September 19, 2013), for good and valuable consideration, the receipt of which is hereby acknowledged from HARTING ELECTRIC GMBH & CO. KG, a German corporation having its principal place of business at Wilhelm-Harting-Str. 1, 32339 Espelkamp, Germany (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America; |
|--|
| And for the same consideration I do agree that I will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application; |
| And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignee; |
| And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith. |
| IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted. |
| Inventor's signature John Witt Date 2013 - 09-09 |
| Witness: North May Witness: Ut Bade Date: 7013 - 07 - 04 Date: 2013 - 09 - 04 |

<u>ASSIGNMENT</u>

| | I, Volker Klanke of Stemwede, Germany, having invented certain inventions and |
|---|--|
| | improvements in ADMINISTRABLE POWER NETWORK HAVING A DATA |
| | TRANSMISSION FUNCTION and having executed an application for Letters Patent of the |
| | United States of America describing the same and based thereon on the 9th day of |
| | September , 20 13 (U.S. Patent Application Serial No. 14/006,283 , filed |
| | September 19, 2013), for good and valuable consideration, the receipt of which is hereby |
| | acknowledged from HARTING ELECTRIC GMBH & CO. KG, a German corporation naving its |
| | principal place of business at Wilhelm-Harting-Str. 1, 32339 Espelkamp, Germany (hereinatter |
| | called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and |
| | assigns my entire right, title, and interest, in and to said invention in the United States of |
| | America, including all rights, title and interest in the above-mentioned application and any |
| | divisional, continuing or reissue application or applications and any patent which may be issued |
| | on the said invention in the United States of America; |
| | No. of A |
| | And for the same consideration I do agree that I will upon request execute any instrument |
| | which the Assignee may desire to carry this Assignment into effect and perfect the title |
| | transferred hereby or prosecute the above-mentioned application; |
| | |
| | And I do hereby authorize and request the Commissioner of Patents and Trademarks of |
| | the United States of America to issue Letters Patent on the said application to the Assignee; |
| | . 《 |
| | And I do hereby jointly and severally covenant for myself and for my legal |
| | representatives that I have granted no right or license to make, use, or sell said invention to |
| | anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in |
| | and to said inventions or any of them or any part thereof has not been otherwise encumbered by |
| ` | me, and that I have not executed and will not execute any instrument in conflict herewith. |
| | |
| | IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year |
| | hereinafter noted. |
| | |
| | Turnetto dignorma /19 // on the Date 2013-05-00 |
| | Inventor seignature // Oct // C |
| | Full name (typed or printed) Volker Klanke |
| | |
| | (1) 1 H |
| | Witness: 4000 Witness: 4th Dack |
| | Date: $70\lambda 3 - 09 - 09$ Date: $\sqrt{0/3 - 09 - 09}$ |
| | Construction of the Constr |

ASSIGNMENT

| I, Jan Drescher of Apelem, Germany, having invented certain inventions and improvements in ADMINISTRABLE POWER NETWORK HAVING A DATA TRANSMISSION FUNCTION and having executed an application for Letters Patent of the United States of America describing the same and based thereon on the 4th day of September , 20 13 (U.S. Patent Application Serial No. 14/006,283 , filed September 19, 2013), for good and valuable consideration, the receipt of which is hereby acknowledged from HARTING ELECTRIC GMBH & CO. KG, a German corporation having its principal place of business at Wilhelm-Harting-Str. 1, 32339 Espelkamp, Germany (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America; |
|---|
| And for the same consideration I do agree that I will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application; |
| And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignee; |
| And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith. |
| IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted. |
| Inventor's signature Date 2011 - 09 - 09 Full name (typed or printed) Jan Drescher |
| Witness: North Mey Witness: Ut Back Date: 2013-09-04 |
| |

PATENT REEL: 031759 FRAME: 0643

RECORDED: 12/11/2013