| Assi<br>Dire<br>2<br>P.O | IStop: gnment Recordation Services RECORDATION FOR exter of the U.S. Patent PATENTS and Trademark Office . Box 1450 xandria, VA 22313-1450   |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|
|                          | se record the attached document.  I number of pages including cover sheet, attachments, and docur  | ment: 2  |  |  |  |  |  |
|                          | A. Name of conveying party:  Jean-Louis GUERET  B. Additional name(s) of conveying party(ies) attached?  ☐ Yes ☒ No  | 2. A. Name and address of receiving party:  L'OREAL 14 RUE ROYALE, F-75008 PARIS, FRANCE           |  |  |  |  |  |
|                          | A. Nature of conveyance:  Assignment   | B. Additional name(s) & address(es) attached? ☐Yes ☑ No  |  |  |  |  |  |
| 4.                       | A. Patent Application No.(s) 12/991,760  | B. Patent No.(s)   |  |  |  |  |  |
|                          | Additional numbers attached? ☐ Yes ☒ No  C. Title of Application: MASCARA BRUSH  |  |  |  |  |  |  |
| 5.                       | Name and address of party to whom correspondence concerning document should be mailed:   | 6. Total number of applications and patents involved: 1  |  |  |  |  |  |
|                          | Name: William P. Berridge  | 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00. |  |  |  |  |  |
|                          | Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787   | Credit any overpayment or charge any underpayment to deposit account number 15-0461.               |  |  |  |  |  |
|                          |  |  |  |  |  |  |  |
|                          | Statement and signature. To the best of my knowledge and belief, the foregoing information original document.  William 1. Berridge, Registration No. 30,024  Jay R. Bombien, Registration No. 66,569 | on is true and correct and any attached copy is a true copy of the  Date: February 8, 2011         |  |  |  |  |  |

PATENT REEL: 025765 FRAME: 0191

| (i)   |  |  |  | ASSIGNMEN  |   | •   |
|---|--|--|--|--|---|---|
| Name(s) of Investor(s) (3) (4) (6) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8   |  | •  | - •  | Jean-Louis GUERET  |   |   |
| In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration per to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and so over to  Tasert Name of Assignee Insert Address of Assignee Insert Address of Assignee (10) 14 we Royals, F.75008 Paris, France (hereinafter designated as the Ausignee) and Assignee's heirs, successors, assigns and legal representative the entire right, title and interest for the United States of America as defined in 35 U.S.C. \$100, in the continuation, international, confirmation, substitute and reissue application(\$), and all Letters Fluxus, extressions, reissues and recoxamination certificates that may be granted on the invention known as I assert I letentification such as Title, Case Number, or Foreign Application Number  Insert Date of Signing of Alexander (12) on Application Alternative (13) U.S. application Serial Number 12/991,760  Insert Date of Signing of Tebruary 8, 2011  1) Bach undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or as applications for the invention, and any patentify is suing thereon, and also to execute separate assignments in connection with sub- cutions and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and so operate with such interest, and application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with such interest, and the patent patent of a valid United States patent to the Assignee, as Assignee of the entire interest, and covenants that be 10. Each undersigned degrees to receive all appears necessary in connection with any attention and connection of a valid United States patent to the Assignee, 10. Each undersigned depress parts the firm o | !  | Name(s)  | (2)  |  |   |   |
| In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration p to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and a over to  Insert Address of Assignee  (10) Li rue Royale, F-75008 Paris, France  (hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representative the entire right, tile and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional continuation, international, continuation, substrature and reissue application(s), and all Letters Patent, extensions, relistues and rectamination certificates that may be granted on the invention known as  Insert Identification Application Number  (Attorney Docket No. 147507  for which the undersigned have (have) executed an application for patent in the United States of Amer on even date herewith or  Insert Date of Signing of (12) on Application Alternative (13) U.S. application Serial Number 12091,760  Identification for filled applications  Alternative (13) U.S. application Serial Number 12091,760  Identification for filled applications  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or condinuation or division thereof, or any patent or reissue application based thereon, for the invention, and so applications of the invention, and so applications for the invention, and any patentify insuling thereon, and also to execute separate assignments in connection with such carries and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to occur with such assignment and patents as the Assignee may   | . (  | of Inventor(s)   | (3)  |  |   |   |
| to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and a cover to Assignee   Insert Address of Assignee   Insert   Inser    |  |  | (4)  |  |   |   |
| Insert Address of Assignee (9) LOREAL (16) 14 rue Royals, F-75008 Paris, France (Assignee) Insert Address of Assignee (Assignee) (16) 14 rue Royals, F-75008 Paris, France (Assignee) sheirs, successors, assigns and legal representative the entire right, title and interest for the United States of America as defined in 35 LSC, \$100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional continuation, international, confirmation, substitute and reissue applications), and all Letters Patent (14) MASCARA BRUSH (14) MASCARA BRUSH (14) MASCARA BRUSH (14) MASCARA BRUSH (15) MASCAR   |  |  |  | h of the undersigned, each undersig  | dollar (\$1.00) and other good<br>ned agrees to assign, and here  | and valuable consideration paid<br>by does assign, transfer and set   |
| Insert Address of Assignee  (hereinafter designated as the Assignee's heirs, successors, assigns and legal representative the entire right, tide and interest for the United States of America as defined in 32 U.S.C. § 100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisiona continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, resistes and recensination certificates that may be granted on the invention known as Stille, Case Number, or Foreign Application Number  (Attorney Docket No. 147507  for which the undersigned has (have) executed an application for patent in the United States of America as designing of (12) on Application  Alternative (13) U.S. application Serial Number 12/991,760  Insert Date of Signing of (12) on Application  Alternative (13) U.S. application Serial Number 12/991,760  If dentification for filled applicasions  (13) U.S. application Serial Number 12/991,760  February 8, 2011  1) Bach undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or usphications for the invention, and any patently issuing thereon, and also to execute separate assignments in connection with such cations and patents as the Assignee may deem necessary in connection with any interference which may be adelated concerning application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate wite signee in every way possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with a provision of a valid United States patent to the Assignee.  4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with any confirmation of a valid United States patent to the Assignee.  5) Each un    |  |  |  |  |   | • .   |
| (10) 14 rue Royale, F-75008 Paris, France  (hereinafter designated as the Assignee) and Assignee's heira, successors, assigns and legal representative the centre right, tide and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisions continuation, informations, ubotinitive and reissue application(s), and all Letter Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as a category of the Company of the Com    |  |  | (9)  | L'OREAL  |   |   |
| the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisions continustion, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as Insert Identification such as Title, Case Number, or Föreign Application Number  (Attorney Docket No. 147507  for which the undersigned has (have) executed an application for patent in the United States of American on even date between the on even date between the on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States of American on even date between the United States part of States and United States of States of States and United States of Commission of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with so or provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned are provision thereof or any patent or resisted application of the United States resulting from said application of the United States resulting from said application of the United States pate    |  |  | (10)   | 14 rue Royale, F-75008 Paris, Fra  | ince  | *   |
| Insert Date of Signature (13) U.S. application Sorial Number 12/991,760  Insert Date of Signing of (12) on Application on the United States of Amer on even date herewith or (13) U.S. application Sorial Number 12/991,760  Insert Date of Signing of (12) on Application of the United States of Amer on even date herewith or (13) U.S. application Sorial Number 12/991,760  Identification for filed applications filed February 8, 2011  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or use applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such catchins and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning pplication or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate wis signee in every way possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with sor provisions of the Interest patent and Interference of the invention, and to ecoperate wis signee in every way possible in obtaining evidence and going forward with such interference.  4) Each undersigned attentional Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned attentional Convention for Protection of Industrial Property or similar agreements.  5) Each undersigned attentions and requises the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letter to of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and coverants that he light to convey the entire interest berein assigned, and that he has not executed, and will not execute, any agreements in condict herewite     |  |  | the em<br>invent<br>contin   | tire right, title and interest for the Un-<br>ion, and in all applications for patent<br>uation, international, confirmation, s  | ited States of America as defin-<br>including any and all provision<br>obstitute and reissue application  | ed in 35 U.S.C. §100, in the<br>nal, non-provisional, divisional,<br>n(s), and all Letters Patent;  |
| Identification sumber (Attorney Docket No. 147507   for which the undersigned has (have) executed an application for patent in the United States of Amer on even date herewith or  Insert Date of Signing of (12) on Application  Alternative (13) U.S. application Serial Number 12/991,760   Identification for filed applications filed February 8, 2011  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or use applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such interiors and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to ecoperate with signee in every way possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with sor provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned attracts to perform all affirmative each which may be necessary in connection with sor provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned attracts between the state which may be necessary in connection with sor provisions of the International Convention for Protection of Industrial Property or similar agreements.  5) Each undersigned attracts between the state of the United States petent assigned, and fifted property or similar agreements.  6) Each undersigned the states are patent to the Assignee.  7) Each undersigned here begins assigned, and that he has not executed, and with not execute, any agreements in conflict herewith agrees that this assignment is binding on him a    | Ĭn   | ısert  | an   | MASCARA BRUSH  |   |   |
| Number, or Foreign Application Number  (Attorney Docket No. 147507  for which the undersigned has (have) executed an application for patent in the United States of Amer on even date herewith or  Insert Date of Signing of (12) on Application Alternative (13) U.S. application Scrial Number 12/991,760  [Identification for filed applications filed February 8, 2011]  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or use applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such cations and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the series of every way possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with sor provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned authorizes and requires the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letter to of the United States resulting from said application(s) to the said Assignce, as Assignce of the entire interest, and covenants that he jate to convey the entire interest berein assigned, and that he has not executed, and will not execute, any agreements in conflict herewitignees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.  6) Each undersigned hereby grants the firm of OLIFF & BERKHRIDER, PLC the power to insert on this assignment on conflict herewitignees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.  Invent    | Id   | entification   | (,   | arm or are now a sea Shifted A   |   | var a sumble de de la company |
| for which the undersigned has (have) executed an application for patent in the United States of Amer on even date herewith or  Insert Date of Signing of (12) on Application  Alternative (13) U.S. application Serial Number 12/991,760  Identification for filed applications filed February 8, 2011  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or us applications for the invention, and any patently is using thereon, and also to execute separate assignments in connection with such cations and patents as the Assignee may deem necessary. In connection with any interference which may be declared concerning application or challengated agrees to execute all papers necessary in connection with any interference which may be declared concerning application or challengation or challengate agrees to execute all papers necessary in connection with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with sor provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or mination a grant of a valid United States patent to the Assignee.  5) Each undersigned aproves to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or mination a grant of a valid United States patent to the Assignee.  5) Each undersigned aproves to bereform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or the obtain of United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he last of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he last to the United States Patent and Trademark Office for dation of     |  | •  |  |  |   |   |
| Insert Date of Signing of (12) on Application  Alternative (13) U.S. application Serial Number 12/991,760  Identification for filed applications filed February 8, 2011  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or us applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such incations and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with a such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with sor or provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or unination a grant of a valid United States patent to the Assignee.  5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letter that of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he light to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewite grees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.  6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further infection that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for dation of this document.  In ventor Signature (SEAL)  Invento    | Ąį   | pplication Number  | (Attor   | ney Docket No. 147507  |   |   |
| Signing of Application  Alternative (13) U.S. application Scrial Number 12/991,760  Identification for filed applications filed February 8, 2011  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or us applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such cations and patents as the Assignee may deem necessary in connection with any interference which may be declared concerning application or continuation of division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate wis signce in every way possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with sor provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or mination a grant of a valid United States patent to the Assignee.  5) Each undersigned authorizes and requiests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letter to five the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he light to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewitgeres that this assignment is binding on him and his heirs, successors, assigns and legal representatives.  6) Each undersigned hereby grants the firm of OLUFF & BERRIDGE, PLC the power to insert on this assignment any further flocation that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for dation of this document.  In witness whereof, executed by the undersigned on the     |  |  |  |  | uted an application for patcht  | in the United States of America   |
| Alternative (13) U.S. application Serial Number 12/991,760  Identification for filed applications filed February 8, 2011  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or use applications for the invention, and any patents) issuing thereon, and also to execute separate assignments in connection with such ications and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with saginer or every way possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with sor provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or amination a grant of a valid United States patent to the Assignce.  5) Each undersigned attorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letter has of the United States resulting from said application(s) to the said Assignce, as Assignce of the entire interest, and coverants that he light to convey the entire interest berein assigned, and that he has not executed, and will not execute, any agreements in conflict herewiting trees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.  6) Each underestigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment and frademark Office for dation of this document.  In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).  Inventor Signature (SEAL)  Inven    |  |  |  | On   |   |   |
| Identification for filed splications  filed February. 8, 2011  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or us applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such cations and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with so or provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with so or provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned grees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or mination a grant of a valid United States patent to the Assignee.  5) Each undersigned authorizes and requiests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letter to convey the entire interest berein assigned, and that he has not executed, and will not execute, any agreements in conflict herewitignees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.  6) Each undersigned hereby grants the firm of OLIFF & BERRINGE, PLC the power to insert on this assignment any further iffication that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for dation of this document.  Inventor Signature  Inventor Signature  Inventor Signature  Inventor Signature  Invent    |  |  | (42)   | V4*  |   | ***************************************   |
| Identification for filed applications  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or use applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such cations and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with significant of the invention of the invention and perform any act which may be necessary in connection with soil interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with soil provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with so or provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary to obtain, maintain or confirm by reissue or mination a grant of a valid United States patent to the Assignee.  5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letter to other by convey the entire interest berein assigned, and that he has not executed, and will not execute, any agreements in conflict herewitignees that this assignment is binding on him and his heirs, successors, assigns and legal representative.  6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further incention that may be necessary or desirable in order to comply with the rules of the United States P    | Alt  | ternative  | (13)   | U.S. application Serial Number   | 12/991,760  |   |
| 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or me applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such cations and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning polication or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate wis signee in every way possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with sor provisions of the International Convention for Protection of Industrial Property or similar agreements.  4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or mination a grant of a valid United States patent to the Assignee.  5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letter ts of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he light to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewitg grees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.  6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further diffication that may be necessary or desirable in order to comply with the undersigned name(s).  Inventor Signature  Inv    |  |  | • •  | -  |   | ,   |
| In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).    This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.  | applitions 2) licatifignee 3) I  | ications for the invention and patents as the Ass Each undersigned agretion or continuation or the in every way possible Each undersigned agree  | on, and any<br>ignee may<br>es to execu<br>division the<br>in obtaining<br>es to execu   | te all papers necessary in connectice patent(s) issuing thereon, and also deem necessary.  Ite all papers necessary in connectice preof, or any patent or reissue applied grevidence and going forward with the all papers and documents and pe  | n with any application and an<br>to execute separate assignmen<br>in with any interference which<br>cation based thereon, for the in<br>such interference.  | may be declared concerning evention, and to cooperate with ecessary in connection with  |
| Inventor Signature Inventor Sign    | applitions 2) I blicati ignee 3) I br pro 4) I inatio 5) I of the it to comes the 6) I   | ications for the inventi- and patents as the Ass Each undersigned agre- ion or continuation or a in every way possible Each undersigned agre- ovisions of the Internat Each undersigned agre- ovisions of the Internat Each undersigned agre- on a grant of a valid Un- Each undersigned auth e United States resulting convey the entire intere- nat this assignment is b Each undersigned here-  | on, and any ignee may come may come to execute in obtaining the control of the co | te all papers necessary in connectice patent(s) issuing thereon, and also deem necessary.  It all papers necessary in connection the content of the connection tend, or any patent or reissue applied gevidence and going forward with the all papers and documents and pention for Protection of Industrial Promail affirmative acts which may be patent to the Assignee.  It is a content of the commissioner of the U displication(s) to the said Assignees seriend, and that he has not execute him and his heirs, successors, assigner firm of OLIFF & BERRIDGE, PLO  | n with any application and an to execute separate assignment in with any interference which action based thereon, for the issuch interference. If or any act which may be not roperty or similar agreements a necessary to obtain, maintained.  S. Patent and Trademark Offe, as Assignee of the entire interest of the did, and will not execute, any a sand legal representatives. The power to insert on this as   | may be declared concerning twention, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters terest, and covenants that he has greements in conflict herewith, signment any further   |
| Inventor Signature (SEAL)  | applitions 2) I dicating a property of the strong of the s | ications for the inventicand patents as the Ass Each undersigned agree ion or continuation or it in every way possible Each undersigned agree ovisions of the Internate Each undersigned agree of a reart of a valid Unternate Each undersigned author Each undersigned author e United States resulting convey the entire interenate this assignment is be Each undersigned here in that may be necessary of this document.   | on, and any ignee may es to execute division the in obtaining the control of the  | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary.  It all papers necessary in connection ereof, or any patent or reissue applied gevidence and going forward with the all papers and documents and pention for Protection of Industrial Perm all affirmative acts which may be patent to the Assignee.  In the Assignee is a patent of the U dapplication(s) to the said Assigner is a patent to the Assigner is the Commissioner of the U dapplication(s) to the said Assigner is given, and that he has not execute him and his heirs, successors, assigner firm of OLIFF & BERRIDGE, PLO the in order to comply with the rules  | n with any application and an to execute separate assignment with any interference which eation based thereon, for the ir such interference.  The such interference which may be a reperty or similar agreements a necessary to obtain, maintained.  S. Patent and Trademark Offer, as Assignee of the entire into d, and will not execute, any a standlegal representatives. It the power to insert on this as of the United States Patent and                                   | may be declared concerning avention, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters terest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for  |
| Inventor Signature (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.   | applitions 2) I dicating a property of the strong of the s | ications for the inventicand patents as the Ass Each undersigned agree ion or continuation or it in every way possible Each undersigned agree ovisions of the Internate Each undersigned agree of a reart of a valid Unternate Each undersigned author Each undersigned author e United States resulting convey the entire interenate this assignment is be Each undersigned here in that may be necessary of this document.   | on, and any ignee may es to execute division the in obtaining the control of the  | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary. It all papers necessary in connection the all papers necessary in connection of any patent or reissue applicate and going forward with the all papers and documents and pention for Protection of Industrial Perm all affirmative acts which may be patent to the Assignee. It is to the Assignee and that he has not execute the mand his heirs, successors, assignee firm of OLIFF & BERRIDGE, PLC alle in order to comply with the rules and condensation on the date(s) opposite the patents of the date(s) opposite and that he date(s) opposite the patents of the date(s) opposite  | n with any application and an to execute separate assignment in with any interference which action based thereon, for the insuch interference.  If or any act which may be not roperty or similar agreements and execute and trademark offer, as Assignee of the entire interference, and will not execute, any a said legal representatives. The power to insert on this as of the United States Patent and site the undersigned name(s)   | may be declared concerning avention, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters terest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for  |
| Inventor Signature (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.  | applitions 2) I dicating a property of the strong of the s | ications for the inventicand patents as the Ass Each undersigned agree ion or continuation or it in every way possible Each undersigned agree ovisions of the Internate Each undersigned agree of a reart of a valid Unternate Each undersigned author Each undersigned author e United States resulting convey the entire interenate this assignment is be Each undersigned here in that may be necessary of this document.   | on, and any ignee may es to execute division the in obtaining the control of the  | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary. It all papers necessary in connection the all papers necessary in connection of any patent or reissue applicate and going forward with the all papers and documents and pention for Protection of Industrial Perm all affirmative acts which may be patent to the Assignee. It is to the Assignee and that he has not execute the mand his heirs, successors, assignee firm of OLIFF & BERRIDGE, PLC alle in order to comply with the rules and condensation on the date(s) opposite the patents of the date(s) opposite and that he date(s) opposite the patents of the date(s) opposite  | n with any application and an to execute separate assignment in with any interference which action based thereon, for the insuch interference.  If or any act which may be not roperty or similar agreements and execute and trademark offer, as Assignee of the entire interference, and will not execute, any a said legal representatives. The power to insert on this as of the United States Patent and site the undersigned name(s)   | may be declared concerning avention, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters terest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for  |
| Inventor Signature (SEAL)  Inventor Signature (SEAL)  Inventor Signature (SEAL)  Inventor Signature (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.  | applitions 2) I dicating a property of the strong of the s | ications for the invention and patents as the Ass Each undersigned agree ion or continuation or it in every way possible Each undersigned agree ovisions of the Internate Each undersigned agree on a grant of a valid Unternate of the United States resulting convey the entire interest this assignment is be Each undersigned here in that may be necessary of this document.  | on, and any ignee may test to execute the executional Convesto performited States orizes and ag from sainting on liby or desirate the executional convesto performited states orizes and ag from sainting on liby or desirate the execution of the e | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary.  It all papers necessary in connection of the connection of the connection of the continuous of the co | n with any application and an to execute separate assignment in with any interference which action based thereon, for the insuch interference.  If or any act which may be not roperty or similar agreements to necessary to obtain, maintained, as Assignee of the entire interest, and will not execute, any a said legal representatives. The power to insert on this as of the United States Patent and site the undersigned name(s)  | may be declared concerning execution, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters erest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for  |
| Inventor Signature (SEAL)  Inventor Signature (SEAL)  Inventor Signature (SEAL)  Inventor Signature (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.  | applitions 2) I dicating a property of the strong of the s | ications for the invention and patents as the Ass Each undersigned agree ion or continuation or in every way possible Each undersigned agree ovisions of the Internat Each undersigned agree on a grant of a valid Un Each undersigned author to the Each undersigned author to the United States resulting convey the entire internat this assignment is be Each undersigned here in that may be necessary of this document.  | on, and any ignee may ignee may ess to execute the inobtaining of the inobtaining on its to executional Converse and ing from sail sat herein a sinding on its parts of the inoby grants of the inobtaining on its property or desirable the inobtaining on its property of the inobtaining of the inobtainin | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary.  te all papers necessary in connection the all papers necessary in connection of the all papers and documents and perention for Protection of Industrial Perention for Assignment in the Assignment of the Assignment of Assignment of OLIFF & BERRIDGE, PLC all in order to comply with the rules the undersigned on the date(s) oppoonunce Inventor Signature  Inventor Signature  | n with any application and an to execute separate assignment in with any interference which action based thereon, for the insuch interference.  If orm any act which may be no roperty or similar agreements in encessary to obtain, maintained, and will not execute, any and and legal representatives to the power to insert on this as of the United States Patent and site the undersigned name(s).  | may be declared concerning execution, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters erest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for  |
| Inventor Signature (SEAL)  Inventor Signature (SEAL)  Inventor Signature (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.   | applitions 2) I solutions 2) I solutions 3) I cor pro 4) I finatio 5) I to core to the cor | ications for the invention and patents as the Ass Each undersigned agree ion or continuation or in every way possible Each undersigned agree ovisions of the International Each undersigned agree on a grant of a valid Unseach undersigned author Each undersigned author Each undersigned author United States resulting convey the entire interest at this assignment is be Each undersigned here in that may be necessary of this document.  | on, and any ignee may ignee may ignee may ess to execute the in obtaining the interest of executional Converses and ing from sais therein a sinding on by grants the or desirate the the interest of the inter | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary.  Ite all papers necessary in connection the content of the connection of the content of the cont | n with any application and an to execute separate assignment in with any interference which action based thereon, for the insuch interference. If or any act which may be not roperty or similar agreements a necessary to obtain, maintained. S. Patent and Trademark Offe, as Assignee of the entire interest of the control of the work of the United States Patent and State the undersigned name(s).   | may be declared concerning execution, and to cooperate with eccessary in connection with an or confirm by reissue or lice to issue any and all Letters exect, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for   |
| Inventor Signature (SEAL)  Inventor Signature (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.  | applitions 2) 1 dicatification of the second | ications for the invention and patents as the Ass Each undersigned agree in every way possible Each undersigned agree ovisions of the Internat Each undersigned agree on a grant of a valid Unternation of a valid United States resulting on the action of the actio | on, and any ignee may test to execute to execute the in obtaining the interest of executional Converse to perform the interest of the interest | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary.  It all papers necessary in connection of the connection of the connection of the content of the | n with any application and an to execute separate assignment with any interference which eation based thereon, for the ir such interference.  Torm any act which may be not roperty or similar agreements encessary to obtain, maintained.  S. Patent and Trademark Offer, as Assignee of the entire interest and the power to insert on this as of the United States Patent and Site the undersigned name(s).  | may be declared concerning execution, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters erest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for (SEAL)  (SEAL)  (SEAL)   |
| Inventor Signature (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.   | applitions 2) 1 2) 1 2) 1 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4  | ications for the invention and patents as the Ass Each undersigned agree in every way possible Each undersigned agree ovisions of the Internations of the Internation of a grant of a valid Unseach undersigned agree on a grant of a valid Unseach undersigned author to United States resulting convey the entire interest at this assignment is because that may be necessary of this document.   | on, and any ignee may ignee may ess to execute division the in obtaining the sto executional Converses and the interest of the stores and the interest of the  | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary. It is all papers necessary in connection to the all papers necessary in connection to the all papers necessary in connection to the all papers and documents and perention for Protection of Industrial Promall affirmative acts which may be patent to the Assignee. It is a series of the Udapplication(s) to the said Assigner assigned, and that he has not execute the inm and his heirs, successors, assigner firm of OLIFF & BERRIDGE, PLC the in order to comply with the rules the undersigned on the date(s) opposite in the all papers and the comply with the rules the undersigned on the date(s) opposite in order to signature inventor Signature inventor Signature inventor Signature inventor Signature  | n with any application and an to execute separate assignment in with any interference which action based thereon, for the insuch interference. If orm any act which may be not roperty or similar agreements a necessary to obtain, maintainstants. S. Patent and Trademark Offe, as Assignee of the entire interest and will not execute, any and any and legal representatives. In the power to insert on this as of the United States Patent and site the undersigned name(s). | may be declared concerning execution, and to cooperate with eccessary in connection with an or confirm by reissue or lice to issue any and all Letters erest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for (SEAL)  (SEAL)  (SEAL)  (SEAL)  |
| This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A.  | applitions 2) 1 2) 1 2) 1 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4  | ications for the inventications for the inventication of the invention or continuation of the internat Each undersigned author the United States resulting convey the entire internation or continuation or co | on, and any ignee may exe to execute to execute the in obtaining on the interest of executional Converted States orizes and inding on the interest of execution in obtaining on the interest of execute the interest of execut | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary.  It all papers necessary in connection the content of the connection of the content of the conte | n with any application and an to execute separate assignment in with any interference which eation based thereon, for the insuch interference. From any act which may be no roperty or similar agreements a necessary to obtain, maintained, and will not execute, any a sign and legal representatives. In the power to insert on this as of the United States Patent and site the undersigned name(s).  | may be declared concerning execution, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters erest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for (SEAL)  (SEAL)  (SEAL)  (SEAL)   |
| er, then it should be signed before at least two witnesses who also sign here:  1 01 11 Witness have a 0 let but Walnut 1/1.  | applitions 2) 1 2) 1 2) 1 3 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4  | ications for the inventical and patents as the Ass Each undersigned agree in every way possible Each undersigned agree ovisions of the Internat Each undersigned agree ovisions of the Internat Each undersigned author to the Each undersigned author to the United States resulting convey the entire interestant his assignment is because that may be necessary of this document.  | on, and any ignee may exe to execute to execute the in obtaining on the interest of executional Converted States orizes and inding on the interest of execution in obtaining on the interest of execute the interest of execut | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary. It can be all papers necessary in connection to a content of the all papers necessary in connection to any patent or reissue applied gevidence and going forward with the all papers and documents and pention for Protection of Industrial Pention for Assignment of the Assignment of Assignment of Assignment of Assignment of Course & Berrengoe, Placetin order to comply with the rules endorsigned on the date(s) opportune inventor Signature   | n with any application and an to execute separate assignment in with any interference which action based thereon, for the insuch interference.  If orm any act which may be no roperty or similar agreements in encessary to obtain, maintained, and will not execute, any and and and legal representatives. In the power to insert on this as of the United States Patent and site the undersigned name(s)  | may be declared concerning execution, and to cooperate with eccessary in connection with an or confirm by reissue or lice to issue any and all Letters erest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  |
| In Od 11 Witness Warrel a O large lark Scalar 1//12   | applitions 2) 1 2) 1 3 dicati ignee 3) 1 of the corproof of the cost the co | ications for the invention and patents as the Ass Each undersigned agree ion or continuation or in every way possible Each undersigned agree ovisions of the International Each undersigned agree or a grant of a valid Unseach undersigned author to the Each undersigned author to the United States resulting convey the entire international this assignment is because and the Each undersigned here in that may be necessary of this document.   | on, and any ignee may ignee may ignee may ess to execute the inobtaining of the inobtaining on its to execute the inobtaining on its therein a inding on its paratist to or desirably or desirably the inobtaining on its property or desirably be efferably be  | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary.  Ite all papers necessary in connection the content of the connection of the content of the cont | n with any application and an to execute separate assignment in with any interference which eation based thereon, for the insuch interference. The interference is such interference, and interference is encessary to obtain, maintained, and will not execute, any any any and legal representatives. In the power to insert on this as of the United States Patent and site the undersigned name(s)  | may be declared concerning execution, and to cooperate with eccessary in connection with an or confirm by reissue or lice to issue any and all Letters etcest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)   |
| Transas Harrison Care 1707  | applitions 2) 1 2) 1 3 dicati ignee 3) 1 of the corproof of the cost the co | ications for the invention and patents as the Ass Each undersigned agree ion or continuation or in every way possible Each undersigned agree ovisions of the International Each undersigned agree on a grant of a valid Une Each undersigned author to the Each undersigned author Each undersigned author Each undersigned here in that assignment is be Each undersigned here in that may be necessary of this document.  Witness whereof, executively assignment is be assignment in the context of | on, and any ignee may ignee may ignee may ess to execute the inobtaining of the inobtaining on its to execute the inobtaining on its therein a inding on its paratist to or desirably or desirably the inobtaining on its property or desirably be efferably be  | te all papers necessary in connection patent(s) issuing thereon, and also deem necessary.  Ite all papers necessary in connection the content of the connection of the content of the cont | n with any application and an to execute separate assignment in with any interference which action based thereon, for the insuch interference. The interference is such interference. The interference is encessary to obtain, maintained, and will not execute, any and legal representatives. In the power to insert on this as of the United States Patent and States the undersigned name(s) is the undersigned name(s) if within the U.S.A. (b) a U.S.                       | may be declared concerning execution, and to cooperate with ecessary in connection with an or confirm by reissue or lice to issue any and all Letters terest, and covenants that he has greements in conflict herewith, signment any further and Trademark Office for (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  |

PATENT

REEL: 025765 FRAME: 0192