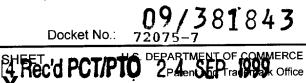
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| To the Honorable Commissioner c. | 10111000110 | Name and address of receiving | |
| . Name of conveying party(ies): | | | |
| PORTALS LIMITED | | Name: DE LE RUE INTERNA | TIONAL LIMITED |
| planta | | Address: | |
| Additional names(s) of conveying party(ies) | ☐ Yes 🏻 No | De La Rue House, Jays Close, Ba | nsingstoke |
| Nature of conveyance: | | | |
| Assignment | ☐ Merger | | |
| ☐ Security Agreement | ☐ Change of Name | City: Hampshire | State/Prov.: |
| ☐ Other | | Country: United Kingdom | ZIP: RG22 4BS |
| Execution Date: 15 Sept. 1999 | | Additional name(s) & address(es) | ☐ Yes ☒ No |
| | | the execution date of the application B. Patent No.(s) | on is: 1 <u>7 Sept. 1999</u> |
| If this document is being filed toge Patent Application No. Fil | ther with a new application. ling date | B. Patent No.(s) | on is: 1 <u>7 Sept. 1999</u> |
| Patent Application No. Filed 843 | ther with a new application. ling date Additional numbers | B. Patent No.(s) ☐ Yes ☑ No | |
| Patent Application No. Filed 843 | ther with a new application. ling date Additional numbers om correspondence | B. Patent No.(s) | |
| Patent Application No. Filed toge Patent Application No. Filed Service Service Patent Application No. Filed Service Patent | Additional numbers om correspondence nailed: | B. Patent No.(s) ☐ Yes ☑ No | and patents involved: |
| Patent Application No. File 1991 St. Name and address of party to who concerning document should be not name: RICHARD H. TUSHIN, Engistration No. File 1991 St. Application No. File 1991 St. Application No. Registration No. Pile 1991 St. Application No. Application No. Pile 1991 St. Application No. File 1991 No. Application No. Appli | Additional numbers om correspondence nailed: | B. Patent No.(s) Yes No 6. Total number of applications a | and patents involved: 40.00 E insufficiency should be |
| Patent Application No. File 1991 38 843 5. Name and address of party to who concerning document should be not party to who concerning the part | Additional numbers om correspondence nailed: | B. Patent No.(s) Yes No 6. Total number of applications a 7. Total fee (37 CFR 3.41): | and patents involved: 40.00 E insufficiency should be osit account |
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| Patent Application No. File 199 38 843 5. Name and address of party to who concerning document should be not party to who concerning the party to who c | Additional numbers om correspondence nailed: SQ. 381843 NDLE WATSON, P.L.L.C. I. W. | B. Patent No.(s) Yes No 6. Total number of applications a 7. Total fee (37 CFR 3.41): | and patents involved: 40.00 E insufficiency should be osit account |
| Patent Application No. File 1972, 1973 WATSON COLE GRIN 1974 TELEVISION NO. File 1974 The Property of the Concerning document should be not sh | Additional numbers om correspondence nailed: | B. Patent No.(s) Yes No 6. Total number of applications a 7. Total fee (37 CFR 3.41): | and patents involved: 40.00 E insufficiency should be osit account |

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RICHARD H. TUSHIN

Name of Person Signing

Signature

Total number of pages including cover sheet, attachments, and

Date

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PATENT REEL: 010359 FRAME: 0409

ASSIGNMENT

| WHEREAS, We, PORTALS LIMITED, having a place of business at |
|---|
| De La Rue House, Jays Close, Basingstoke, Hampshire RG22 4BS, United Kingdom |
| |
| have acquired title, rights, benefits and privilege in SECURITY ELEMENT |
| FOR SECURITY PAPER |
| for which an application for Letters Patent was filed as PCT International |
| Application No. PCT/GB98/00954 on 31 March 1998 designating the United States |
| from one of the inventors Roland Isherwood by virtue of an assignment |
| WHEREAS, DE LA RUE INTERNATIONAL LIMITED , |
| having a place of business at De La Rue House, Jays Close, Basingstoke, |
| Hampshire RG22 4BS, United Kingdom |
| and who, together with its successors and assigns ("Assignee") is desirous of acquiring |
| title, rights, benefits, and privileges hereinafter recited. |

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in said application for Letters Patent of the United States, the inventions and discoveries described therein, any and all other applications for Letters Patent of the United States on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications in the United States based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted in the United States for said inventions and discoveries or upon said applications in the United States, and every

PATENT REEL: 010359 FRAME: 0410 priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent in the United States.

- 2. Authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.
- 3. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents in the United States or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries in the United States; and that I have good right to assign the same to Assignee without encumbrance.
- 4. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify as to the same in any interference or other litigation.

PATENT REEL: 010359 FRAME: 0411

| IN TESTIMONY WHE | EREOF, I have hereunto set my hand and seal this |
|---------------------|--|
| * * | ANTHORISED SECRETARY |
| WITNESSED | WITNESSED () |
| BY: | BY: |
| Address: LASTROP WA | Address: 25 Great Western Re |
| BASMISSICKE | |

RECORDED: 09/24/1999

PATENT | REEL: 010359 FRAME: 0412