Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Douglas E. Meisner | 05/12/1999 |
| Jon D. Clauson | 05/12/1999 |
| Douglas C. Shimonek | 06/06/1999 |

RECEIVING PARTY DATA

| Name: | Adobe Systems Incorporated | |
|-----------------|----------------------------|--|
| Street Address: | 345 Park Avenue | |
| City: | San Jose | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 95110 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11865689 |

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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

Phone: (650) 839-5070

Email: hoke@fr.com

Correspondent Name: Daniel J. Burns

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

| ATTORNEY DOCKET NUMBER: | 07844-334003 |
|-------------------------|--------------|
|-------------------------|--------------|

NAME OF SUBMITTER: Sarah E. Hoke

Total Attachments: 4

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PATENT REEL: 020183 FRAME: 0510

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> PATENT REEL: 020183 FRAME: 0511

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Douglas E. Meisner, Jon D. Clauson and Douglas C. Shimonek, hereby sell, assign, and transfer to Adobe Systems Incorporated, a Delaware Corporation, having offices located at 345 Park Avenue, San Jose, California 95110-2704, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

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| a | nd which | is found i | in . |
|-------------|---|---|--|
| (8 | a) | _ | U.S. patent application executed on, entitled as above and listing the above named persons as inventors. |
| (t | o) | <u>x</u> | U.S. patent application filed on April 27, 1999 |
| | | | [X] under Application No. <u>09/300.348</u>. [X] with Express Mail No. <u>EL282428329US</u> (Application Number not yet known). |
| (0 | c) | _ | U.S. Patent No.:, issued |
| A | n attorney ssignmen | of record | , or the attorney filing the application, is authorized and requested by the execution of this assignment to insert into this cution date of the application and/or the filing date and serial number of the application when officially known. |
| a P A | nerefrom; a nd the righ Protection ASSIGNO | all United S nt to claim of Indus RS autho | udes the foregoing patent application or patent; all legal equivalents thereof in any foreign country and all patents issuing States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements; In priority based on the filing date of the foregoing patent application or patent under the International Convention for the strial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. Prize ASSIGNEE to apply in all countries in the name of ASSIGNORS or in the name of ASSIGNEE for patents, utility registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements. |
| | SSIGNO | | by covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would signment. |
| u b p | pon the re le known a romptty to lotain, mai | equest of and acce execute intain, iss | covenant for themselves and their respective heirs, legal representatives and assigns to provide to ASSIGNEE promptly ASSIGNEE all pertinent facts and documents relating to said invention and said patents and legal equivalents as may estable to ASSIGNORS and to testify as to the same in any interference, litigation, or proceeding relating thereto and and endetiver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for sue or enforce said application, said inventions and improvements and said patents and said equivalents thereof which or desirable to carry out the purposes thereof. |
| A tt | SSIGNOF | RS reques the ASSI | st the Commissioner of Patents and Trademarks to issue said patents of the United States and any reissue or extension GNEE. |
| E | executed t | his ay of | Signature of Inventor May Douglas E. Meisner |
| | On 12 Couglas E. o the within | Ra 1510 Meisner, n instrume rument th |) ss. 9 9 , before me, |
| _ | Vitriess m | y hand a | nd official seal CATHERINE SMITH |
| | | | MY COMMISSION EXPIRES |

PATENT

REEL: 020183 FRAME: 0512

| Executed this | Sections of incolu |
|--|--|
| 12 day of May | Jon D. Glauson |
| STATE OF MINNESOTA) | |
| County of Kamsey ss. | |
| on 1215199, before me, Catho | M H A Notary Public for the State of Minnesota, personally appeared Jon |
| within instrument, and acknowledged to me that he/ | on the basis of satisfactory evidence to be the person whose name is subscribed to the she executed the same in his/her authorized capacity, and that by his/her signature on of which the person acted, executed the instrument. |
| Witness my hand and official seal | CATHERINE SMITH NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES JANUARY 31, 2000 |
| Executed this | Signature of Inventor |
| day of | |
| | Douglas C. Shimonek |
| STATE OF IOWA) ss. | · |
| County of) | |
| | , a Notary Public for the State of Iowa, personally appeared Douglas |
| the within instrument, and acknowledged to me that I | ne on the basis of satisfactory evidence to be the person whose name is subscribed to he/she executed the same in his/her authorized capacity, and that by his/her signature alf of which the person acted, executed the instrument. |
| Witness my hand and official seal | |
| | |

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PATENT

REEL: 020183 FRAME: 0513

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Douglas E. Meisner, Jon D. Clauson and Douglas C. Shirmonek, hereby sell, assign, and transfer to Adobe Systems Incorporated, a Delaware Corporation, having offices located at 345 Park Avenue, San Jose, California 95110-2704, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

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| and whi | ch is found | in | |
|---|--|--|--|
| (a) | _ | U.S. patent application ex | ecuted on, entitled as above and listing the above named persons as inventors. |
| (b) | <u>x</u> | U.S. patent application file | nd on <u>April 27, 1999</u> |
| | | [X] under Application No. [X] with Express Mail No. | i. <u>09/300,348.</u> . <u>EL282428329US</u> (Application Number not yet known). |
| (c) | - | U.S. Patent No.: | , issued |
| An attor | ney of reco | rd, or the attorney filing the a se execution date of the app | application, is authorized and requested by the execution of this assignment to insert into lication and/or the filing date and serial number of the application when officially known. |
| issuing improve Convent treaties ASSIGN | therefrom; ments; and tion for the of like pur | all United States and foreig the right to claim priority bas Protection of Industrial Pro poses. ASSIGNORS autho Itents, utility models, and d | application or patent; all legal equivalents thereof in any foreign country and all patents in patents, utility models, and design registrations granted for any of said inventions and sed on the filing date of the foregoing patent application or patent under the International operty, the Patent Cooperation Treaty, the European Patent Convention, and all other rize ASSIGNEE to apply in all countries in the name of ASSIGNORS or in the name of esign registrations and like rights of exclusion and for inventors' certificates for said |
| ASSIGN conflict | ORS hereb | y covenant that no assignme signment. | ent, sale, agreement or encumbrance has been or will be made or entered into that would |
| prompth equivalent relating to required | y upon the ents as may thereto and I to apply f | request of ASSIGNEE all be known and accessible to promptly to execute and del or, obtain, maintain, issue o | and their respective heirs, legal representatives and assigns to provide to ASSIGNEE pertinent facts and documents relating to said invention and said patents and legal to ASSIGNORS and to testify as to the same in any interference, litigation, or proceeding fiver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits or enforce said application, said inventions and improvements and said patents and said desirable to carry out the purposes thereof. |
| ASSIGN extensio | IORS requent on thereof to | est the Commissioner of Pa the ASSIGNEE. | atents and Trademarks to issue said patents of the United States and any reissue or |
| Execute | d this | | Signature of Inventor |
| | day of | <u></u> | Douglas E. Meisner |
| STATE | OF MINNES | - - ···· | |
| County of | of |) ss.) | |
| subscrit | E. Meisne ed to the v | <u>er,</u> personally known to me o vithin instrument, and ackno | , a Notary Public for the State of Minnesota, personally appeared or proved to me on the basis of satisfactory evidence to be the person whose name is wedged to me that he/she executed the same in his/her authorized capacity, and that n, or the entity upon behalf of which the person acted, executed the instrument. |
| Witness | my hand ai | nd official seal | |
| | | | • |

PATENT REEL: 020183 FRAME: 0514

| Executed this | Signature of inventor | |
|---|--|----------|
| day of | Jon D. Clauson | <u> </u> |
| STATE OF MINNESOTA | }_ | |
| County of |) ss.) | |
| subscribed to the within instrument, | a Notary Public for the State of Minnesota, personally ap or me or proved to me on the basis of satisfactory evidence to be the person whose raind acknowledged to me that he/she executed the same in his/her authorized capacity, at the person, or the entity upon behalf of which the person acted, executed the instrument. | |
| Witness my hand and official seal | | |
| | - | |
| Executed this (a day of July 1994) | Signature of inventor Douglass: Shirmonek | |
| STATE OF IOWA |) ss. | |
| Douglas C. Shimonek, personally kno subscribed to the within instrument, a | e, Signature T a Notary Public for the State of Iowa, personally ap win to me or proved to me on the basis of satisfactory evidence to be the person whose rand acknowledged to me that he/she executed the same in his/her authorized capacity, a the person, or the entity upon behalf of which the person acted, executed the instrument. | name is |
| Witness my hand and official seal | bis st | |
| | 13-2001 | |

RECORDED: 11/30/2007 REEL: 020183 FRAME: 0515