505296984 01/25/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5343761

| NATURE OF CONVEYANCE: Corrective Assignment to correct the ASSIGNEE previously recorded on Reel 048112 Frame 0426. Assignor(s) hereby confirms the ASSIGNEE IS AMENDED FROM INTELLECTUAL VENTURES 94 LLC TO INTELLECTUAL VENTURES ASSETS 94 LLC. | SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | | | |
|---|-----------------------|--|--|--|--|
| | NATURE OF CONVEYANCE: | Reel 048112 Frame 0426. Assignor(s) hereby confirms the ASSIGNEE IS AMENDED FROM INTELLECTUAL VENTURES 94 LLC TO | | | |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| CHEMTRON RESEARCH LLC | 01/25/2019 |

RECEIVING PARTY DATA

| Name: | INTELLECTUAL VENTURES ASSETS 94 LLC | |
|-----------------|-------------------------------------|--|
| Street Address: | 251 LITTLE FALLS DRIVE | |
| City: | WILMINGTON | |
| State/Country: | DELAWARE | |
| Postal Code: | 19808 | |

PROPERTY NUMBERS Total: 3

| Property Type | Number |
|----------------|---------|
| Patent Number: | 6751348 |
| Patent Number: | 6904168 |
| Patent Number: | 7103215 |

CORRESPONDENCE DATA

Fax Number: (425)679-0580

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| NAME OF SUBMITTER: CASSANDRA BRAGET | | |
|-------------------------------------|--------------------|--|
| SIGNATURE: | /Cassandra Braget/ | |
| DATE SIGNED: | 01/25/2019 | |

Total Attachments: 3

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PATENT 505296984 REEL: 049670 FRAME: 0286

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5339008

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|--------------------------|--|
| NATURE OF CONVEYANCE: | NUNC PRO TUNC ASSIGNMENT | |
| EFFECTIVE DATE: | 12/03/2018 | |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| CHEMTRON RESEARCH LLC | 12/21/2018 |

RECEIVING PARTY DATA

| Name: | INTELLECTUAL VENTURES 94 LLC | |
|-----------------|------------------------------|--|
| Street Address: | 251 LITTLE FALLS DRIVE | |
| City: | WILMINGTON | |
| State/Country: | DELAWARE | |
| Postal Code: | 19808 | |

PROPERTY NUMBERS Total: 3

| Property Type | Number |
|----------------|---------|
| Patent Number: | 6751348 |
| Patent Number: | 6904168 |
| Patent Number: | 7103215 |

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|-------------------------------------|--------------------|--|
| SIGNATURE: | /Cassandra Braget/ | |
| DATE SIGNED: | 01/23/2019 | |

Total Attachments: 2

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PATENT REEL: 049670 FRAME: 0287

| Intellect | ual Ventures Assets 94 | LLC | | | | |
|-----------|------------------------|------|--------|------|-------|--------|
| W | ual Ventures Assets 94 | | | | | |
| | | ASSI | GNMENT | OF F | ATENT | RIGHTS |
| Date | 1-25-19 | | | | | |

For good and valuable consideration, the receipt of which is hereby acknowledged, Chemtron Research LLC, a Delaware limited liability company, with an address at 251 Little Falls Drive. Wilmington, DE 19808 ("Assignar"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures 94 LLC, a Delaware limited liability company, with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("Assignee"), all of Assignor's right, title, and interest in and to the following (collectively, the "Assigned Patent Rights"):

(a) the patents and patent applications listed in the table below (the "Patents");

| <u>Patent/</u> Application Number | Country | <u>lssue Date/</u> Filing Date | Title of Patent and Inventors |
|--------------------------------------|---------|-----------------------------------|---|
| 6751348 (09/823139) | US | 6/15/2004 (3/29/2001) | Automated detection of pornographic images |
| | | | Vasile Buzuloiu; Eran Steinberg; Peter Corcoran; Razvan Beuran; Alexandru Drimbarean; Mihai Cuic; Horia Grecu |
| 6904168 (10/040901) | US | 6/7/2005 (10/22/2001) | Workflow system for detection and classification of images suspected as pornographic Eran Steinberg; Petronel |
| 7103215 (10/841584) | US | 9/5/2006 (5/7/2004) | Bigioi; Ilariu Raducan Automated detection of pornographic images |
| | | | Vasile Buzuloiu; Peter Corcoran; Razvan Beuran; Mihai Ciuc; Horia Grecu; Alexandru Drimbarean; Eran Steinberg |

- (b) any future reissues, reexaminations, extensions, continuations, continuing prosecution application, requests for continuing examinations, divisions, and registrations of any of the Patents;
- (c) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patents; and
- (d) causes of action and enforcement rights of any kind under, or on account of, any of the Patents and/or any of the items described in either of the foregoing categories (b) or (c),

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|--|---|
| Page 1 of 2 | ↑ |
| | Intellectual Ventures Assets 94 LLC |
| | Initial |
| | Date: 1-21-17 |

including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain any other remedies of any kind for past, current and future infringement.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein. This Assignment of Patent Rights will inure for the benefit of any permitted successors or assigns of Assignee.

Assignor will, at the reasonable request of Assignee, take all reasonable steps necessary and proper, to confirm the assignment to Assignee of the Assigned Patent Rights pursuant to this Assignment of Patent Rights, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-bycountry basis, to assist Assignee in obtaining and perfecting the Assigned Patent Rights.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on Dec. 2/ 2018. to be effective on 03 December 2018.

ASSIGNOR:

CHEMTRON RESEARCH LLC

Name: Lavid

Title: Authorized Person

ASSIGNMENT OF PATENT RIGHTS - Chemitron Research LLC to Intellectual Ventures 94 LLC Page 2 of 2

> Intellectual, Ventures Assets 94 LLC Initial.

PATENT

REEL: 049670 FRAME: 0289