503137872 01/15/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3184483

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| SANJEEV KUMAR BISWAS | 01/13/2015 |
| CHARAT MAHESHWARI | 01/13/2015 |

RECEIVING PARTY DATA

| Name: | ADOBE SYSTEMS INCORPORATED | |
|-----------------|----------------------------|--|
| Street Address: | 345 PARK AVENUE | |
| City: | SAN JOSE | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 95110-2704 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14597597 |

CORRESPONDENCE DATA

Fax Number: (509)755-7252

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.

Phone: 5097557262

Email: connelly@wolfe-sbmc.com

Correspondent Name: WOLFE-SBMC **Address Line 1:** 601 W. MAIN AVE.

Address Line 2: SUITE 1300

Address Line 4: SPOKANE, WASHINGTON 99201

| ATTORNEY DOCKET NUMBER: | P4558-US |
|-------------------------|---------------------------|
| NAME OF SUBMITTER: | CHRISTOPHER S. CONNELLY |
| SIGNATURE: | /Christopher S. Connelly/ |
| DATE SIGNED: | 01/15/2015 |

Total Attachments: 4

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> PATENT REEL: 034726 FRAME: 0679

ASSIGNMENT

Whereas I, the ASSIGNOR herein,

Sanjeev Kumar Biswas

412 Jal Vayu Towers NGEF Layout Near Old Madras Road Bangalore, 560038, India

have invented Audio Data Sampling and User Profile Generation for Advertisement Control

(Docket No. P4558-US), described, illustrated, and claimed in an application for Letters Patent in the

United States of America.

WHEREAS, ADOBE SYSTEMS INCORPORATED, the ASSIGNEE herein, is a corporation

organized and existing under the laws of the State of Delaware, having a place of business at 345 Park

Avenue, San Jose, California 95110-2704, USA, desires to acquire the entire right, title and interest in and

to said inventions, applications and Letters Patent to be granted and issued thereon;

NOW, THEREFORE, I, the said ASSIGNOR, have assigned and do hereby assign, transfer and

set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said

inventions and all improvements thereon, in and to said patent application for Letters Patent thereon, in

and to patent applications pertaining to or based upon said inventions and applications, including

divisional and continuing applications and continuations-in-part, and in and to any and all Letters Patent

which may be granted and issued on said inventions and applications, or any of them, not only for, to and

in the United States of America, its territories and possessions, but for, to and in all countries foreign

thereto, together with and including all priority rights based upon any and all applications in the United

States of America covered by this Assignment.

And for the above-named considerations, I do hereby agree that I will, at the request of said

ASSIGNEE, execute any and all applications for Letters Patent for said inventions and any and all other

papers and documents and do all other and further lawful acts that said ASSIGNEE may deem necessary

or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to

perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and

Letters Patent.

Page 1 of 2 PATENT

REEL: 034726 FRAME: 0680

And for the above-named considerations, I do hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent for the said inventions before competent International Authorities and in any and all countries foreign to the United States in which applications for Letters Patent can be so made or Letters Patent so obtained.

| Signed: | | |
|-------------------------|--------------|--|
| | | |
| / Saniee Kunas Bisvas / | Jan 13, 2015 | |
| Sanjeev Kumar Biswas | Date | |

ASSIGNMENT

Whereas I, the ASSIGNOR herein,

Charat Maheshwari

A-501, The Crescent Apartments F-block, Sector 50 Noida, Uttar Pradesh, 201301, India

have invented Audio Data Sampling and User Profile Generation for Advertisement Control

(Docket No. P4558-US), described, illustrated, and claimed in an application for Letters Patent in the

United States of America.

WHEREAS, ADOBE SYSTEMS INCORPORATED, the ASSIGNEE herein, is a corporation

organized and existing under the laws of the State of Delaware, having a place of business at 345 Park

Avenue, San Jose, California 95110-2704, USA, desires to acquire the entire right, title and interest in and

to said inventions, applications and Letters Patent to be granted and issued thereon;

NOW, THEREFORE, I, the said ASSIGNOR, have assigned and do hereby assign, transfer and

set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said

inventions and all improvements thereon, in and to said patent application for Letters Patent thereon, in

and to patent applications pertaining to or based upon said inventions and applications, including

divisional and continuing applications and continuations-in-part, and in and to any and all Letters Patent

which may be granted and issued on said inventions and applications, or any of them, not only for, to and

in the United States of America, its territories and possessions, but for, to and in all countries foreign

thereto, together with and including all priority rights based upon any and all applications in the United

States of America covered by this Assignment.

And for the above-named considerations, I do hereby agree that I will, at the request of said

ASSIGNEE, execute any and all applications for Letters Patent for said inventions and any and all other

papers and documents and do all other and further lawful acts that said ASSIGNEE may deem necessary

or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to

perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and

Letters Patent.

Page 1 of 2 PATENT

REEL: 034726 FRAME: 0682

And for the above-named considerations, I do hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent for the said inventions before competent International Authorities and in any and all countries foreign to the United States in which applications for Letters Patent can be so made or Letters Patent so obtained.

| Signed: | | |
|-------------------|--------------|--|
| Charar Haheshvari | Jan 13, 2015 | |
| Charat Maneshwari | Date | |

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RECORDED: 01/15/2015