503778378 04/11/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3825024

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| PETRI NENONEN | 04/06/2016 |
| EUAN BARRON | 04/06/2016 |
| JARKKO PEKKARINEN | 04/06/2016 |

RECEIVING PARTY DATA

| Name: | MICROSOFT TECHNOLOGY LICENSING, LLC | |
|-----------------|-------------------------------------|--|
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| City: | REDMOND | |
| State/Country: | WASHINGTON | |
| Postal Code: | 98052 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | | |
|---------------------|----------|--|--|
| Application Number: | 15096213 | | |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: 359318.01 | |
|-----------------------------------|--------------------|
| NAME OF SUBMITTER: | HOLLI L. TEMPLETON |
| SIGNATURE: /Holli L. Templeton/ | |
| DATE SIGNED: | 04/11/2016 |

Total Attachments: 6

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> PATENT REEL: 038248 FRAME: 0774

PATENT ASSIGNMENT

I <u>Petri Nenonen</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ADAPTIVE OUTPUT CORRECTION FOR DIGITAL IMAGE CAPTURE

MS Docket No.: 359318.01

| PROCESSING" | ("APPLICATION" | '), which: |
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| will be fi | led. ASSIGNOI | R hereby aut | horizes, a | nd requests, |
|--------------|-------------------|-----------------|------------|---------------|
| ASSIGNEE'S | legal represent | ative, Microsof | t Technolo | gy Licensing, |
| LLC., One | Microsoft W | ay, Redmond | l, Washin | gton 98052 |
| (ASSIGNEE'S | S LEGAL REPR | ESENTATIVES), | to inse | ert here in |
| parenthese | s (filed on | ····· | and give | n Application |
| No. | <u> </u> | by | the | following |
| Office | | | _) this A | PPLICATION's |
| Application | No., filing date, | and Office, who | en known; | |
| | | | | |
| was filed or | i | and was given | Applicatio | n |
| No | hy the | following Offic | e | |
| | | | | |

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")):

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known;

| Application No. | Office |
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| | PATENT | ASSIGNMENT | MS Docket No.: | 359318.01 |
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| 55001 | | | | |

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

| De Remini | 2012/04/06 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| Petri Nenonen | Petri Nenonen |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

PATENT ASSIGNMENT

I Euan Barron ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ADAPTIVE OUTPUT CORRECTION FOR DIGITAL IMAGE CAPTURE PROCESSING" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representative, Microsoft Technology Licensing, LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on _____ and given Application No. bv the Application No., filing date, and Office, when known; was filed on _____ and was given Application No ______by the following Office Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")); ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Application No. Filing Date Office

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MS Docket No.: 359318.01

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For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

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| | |
|-------------------------|---------------------------------|
| ha fa | 6th April 2016 |
| Inventor's Signature | Date |
| Euan Barron | Euan Barron |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

PATENT ASSIGNMENT

I <u>Jarkko Pekkarinen</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ADAPTIVE OUTPUT CORRECTION FOR DIGITAL IMAGE CAPTURE PROCESSING" ("APPLICATION"), which:

| X | will be filed. ASS | SIGNOR hereby | author author | rizes, ar | id requests, |
|---|-------------------------|------------------|---------------|-----------|--------------|
| | ASSIGNEE'S legal rep | resentative, Mid | crosoft T | echnolog | y Licensing, |
| | LLC., One Microso | oft Way, Red | lmond, | Washing | ton 98052 |
| | (ASSIGNEE'S LEGAL | REPRESENTAT | IVES), 1 | to inser | t here in |
| | parentheses (filed or | 1 | a | nd given | Application |
| | No. | b | У | the | following |
| | Office | |) | this AF | PLICATION's |
| | Application No., filing | date, and Offic | e, when | known; | |
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| | was filed on | and was | given Ap | plication | • |
| | No | by the following | Office | | |
| | ü. | H _{0.} | | | |
| | | | | | |

Microsoft Technology Licensing, LLC, a Washington limited liability company, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")):

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| Application No. | Filing Date | Office | |
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MS Docket No.: 359318.01

| PATENT A | ASSIGNMENT | MS Docket No.: | 359318.01 |
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| | April 6th 2016 |
|-------------------------|---|
| Inventor's Signature | Date |
| Jarkko Pekkarinen | Jarkko Pekkarinen |
| Printed Name in English | Printed Name in Native Language (if other than English) |