01/13/2022 507073706

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------------|----------------|
| VAISHNAVI NATTAR RANGANATHAN | 12/28/2021 |
| UPINDER KAUR | 12/28/2021 |
| PEEYUSH KUMAR | 01/02/2022 |
| RANVEER CHANDRA | 01/12/2022 |
| MICHAEL MCNAB BASSANI | 01/02/2022 |
| VISHAL JAIN | 01/03/2022 |

RECEIVING PARTY DATA

| Name: | MICROSOFT TECHNOLOGY LICENSING, LLC | |
|-----------------|-------------------------------------|--|
| Street Address: | NE MICROSOFT WAY | |
| City: | REDMOND | |
| State/Country: | VASHINGTON | |
| Postal Code: | 98052 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17647924 |

CORRESPONDENCE DATA

Fax Number: (425)936-7329

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MICROSOFT TECHNOLOGY LICENSING, LLC **Correspondent Name:**

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| ATTORNEY DOCKET NUMBER: | 410789-US-NP | |
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| NAME OF SUBMITTER: | ME OF SUBMITTER: VLADIMIR A. KOZYREV | |
| SIGNATURE: | /VLADIMIR A. KOZYREV/ | |
| DATE SIGNED: | ATE SIGNED: 01/13/2022 | |

Total Attachments: 12

PATENT REEL: 058649 FRAME: 0867

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PATENT REEL: 058649 FRAME: 0868

| ı | <u>Vaishnavi N</u> | ATTAR R | ANGANATHAN (| "ASSIGNO | R") aı | m the | original ir | ivent | or or an |
|---------|--------------------|-----------|-------------------|----------|---------|---------|-------------|-------|----------|
| origina | l joint inven | tor of su | bject matter ("II | NVENTION | ۱") di: | sclosed | d and/or | claim | ied in a |
| patent | application | entitled | "TRACEABILITY | SYSTEM | FOR | BULK | COMMO | DITY | SUPPLY |
| CHAIN" | ("APPLICATI | ON"), whi | ich: | | | | | | |

MS Docket No.: <u>410789-US-NP</u>

| \times | will be filed. | ASSIGNOR | hereby | authorizes, | and | reque | sts |
|----------|-------------------------------------|--------------------|-------------------|----------------|---------|---------------|------|
| | ASSIGNEE'S legal | representat | ive, Micr | osoft Techno | ology | Licensi | ing |
| | LLC, One Microso | ft Way, Redr | nond, Wa | ishington 980 |)52 (A | SSIGNE | ΞΕ'S |
| | LEGAL REPRESENT January 13, 2022 | | | • | | | |
| | the following Of | fice <u>US – L</u> | <u> Inited St</u> | ates Patent | and 1 | <u> radem</u> | ıark |
| | Office) this APPLI | CATION's Ap | plication | No., filing d | late, a | nd Off | ice |
| | when known; | | | | | | |
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| | was filed on | â | and was g | jiven Applicat | tion N | o | |
| | by the following (| Office " | | | | <u>"</u> , | |

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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| Inventor's Signature | 12/28/2021 Date |
|------------------------------|---------------------------------|
| Vaishnavi NATTAR RANGANATHAN | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

| PATENT ASSIGNMEN | Γ MS Docket | No.: <u>410789-US-NP</u> |
|--|--|---|
| I <u>Upinder KAUR</u> ("ASSIC inventor of subject matter (application entitled " <u>TRACEAB</u> ("APPLICATION"), which: | "INVENTION") disclosed | • |
| ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT January 13, 2022 the following Of | ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in part and given Application Notes US – United States CATION's Application No., | Technology Licensing, gton 98052 (ASSIGNEE'S parentheses (filed on No. 17/647,924 by Patent and Trademark |
| | and was given . Office " | |
| Microsoft Technology Licebehalf of itself and its succedesirous of acquiring, the entionity, in the INVENTI patents derived therefrom, sucfor the United States, its topical patents of the ERIVATIVES")); | ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION (h as continuing applicatio | tle and interest, including the (and all other applications and ns, in whole or in part, in and |
| ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA | he Application No., filing | • |
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| Vander Laur | 12/28/2021 |
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| Inventor's Signature | Date |
| Upinder KAUR | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

| PATENT ASSIGNMEN | MS Docket | No.: <u>410/89-US-NP</u> |
|---|--|---|
| I <u>Peeyush KUMAR</u> ("ASS inventor of subject matter (application entitled " <u>TRACEAB</u> ("APPLICATION"), which: | "INVENTION") disclosed | |
| ASSIGNEE'S legal LLC, One Microso LEGAL REPRESENT January 13, 2022 the following Of | ASSIGNOR hereby auth representative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here in personal given Application No., CATION's Application No., | Technology Licensing, ston 98052 (ASSIGNEE'S parentheses (filed on lo. 17/647,924 by Patent and Trademark |
| | and was given . Office " | |
| Microsoft Technology Licebehalf of itself and its succedesirous of acquiring, the entionity, in the INVENTI patents derived therefrom, sucfor the United States, its topical patents of the United States, its topical patents. | ssors and assigns ("ASSIO re and exclusive rights, ti ON and the APPLICATION (h as continuing applicatio | tle and interest, including the (and all other applications and ns, in whole or in part, in and |
| ASSIGNOR hereby REPRESENTATIVES to insert to following table for any APPLICA | he Application No., filing | |
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| Jan L | 01/02/2022 |
|-------------------------|---------------------------------|
| Inventor's Signature | Date |
| Peeyush KUMAR | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

| I <u>Ranveer CH</u> | ANDRA ("ASSIGI | NOR") am | the origin | al invent | or or an | origir | nal joint |
|----------------------|----------------|----------|------------|-----------|----------|--------------|-----------|
| inventor of subject | matter ("INVI | ENTION") | disclosed | and/or | claimed | in a | patent |
| application entitled | "TRACEABILITY | SYSTEM | FOR BULK | СОММ | DDITY S | <u>UPPLY</u> | CHAIN" |
| ("APPLICATION"), whi | ich: | | | | | | |

MS Docket No.: <u>410789-US-NP</u>

| X | will | be | filed. | ASSIGNOR | hereby | authorizes, | and | reques | ts, |
|---|--------------|---------------|-----------|---------------------|------------|---------------------------------------|------------------|-----------------|------------|
| | ASSIC | GNEE | E'S legal | representat | ive, Micr | osoft Techno | ology | Licensin | ıg, |
| | LLC, | One | Microso | oft Way, Redi | nond, Wa | shington 980 |)52 (A | SSIGNEE | E'S |
| | | | | , , | | re in parenth tion No. <u>17/6</u> | , | | by |
| | the 1 | follo | wing O | ffice <u>US – l</u> | Jnited St | ates Patent | and ⁻ | <u> Fradema</u> | <u>ırk</u> |
| | <u>Offic</u> | <u>e</u>) th | nis APPL | ICATION's A | pplication | n No., filing o | late, a | ınd Offic | се, |
| | wher | ı kno | own; | | | | | | |
| | was 1 | filed | on | | and was g | given Applica | tion N | 0 | |
| | by th | e fo | llowing | 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.: <u>410789-US-NP</u>

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"));

| んないとい (仏)かい Inventor's Signature | 12 th January, 2022 Date |
|-------------------------------------|--|
| Ranveer CHANDRA | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

| I Michael McNab BASSANI ("ASSIGNOR") am the original inventor or an original |
|--|
| oint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent |
| application entitled "TRACEABILITY SYSTEM FOR BULK COMMODITY SUPPLY CHAIN" |
| ("APPLICATION"), which: |
| oxtimes will be filed. ASSIGNOR hereby authorizes, and requests, |
| |

MS Docket No.: 410789-US-NP

| X | vill be filed. ASSIGNOR hereby authorizes, and requests |
|---|---|
| | ASSIGNEE'S legal representative, Microsoft Technology Licensing |
| | LC, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S |
| | EGAL REPRESENTATIVES), to insert here in parentheses (filed on January 13, 2022 and given Application No. 17/647,924 by |
| | he following Office <u>US – United States Patent and Trademark</u> |
| | Office) this APPLICATION's Application No., filing date, and Office |
| | vhen known; |
| | |
| | vas filed on and was given Application No |
| | y 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"));

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| Inventor's Signature | Date |
| Michael McNab BASSANI | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |

MS Docket No.: <u>410789-US-NP</u>

| I <u>Vishal JAIN</u> ("ASSIGNOR") | am the original inventor o | or an original joint inventor of |
|--|---|--|
| subject matter ("INVENTION") di | sclosed and/or claimed in | a patent application entitled |
| "TRACEABILITY SYSTEM FOR BUL | K COMMODITY SUPPLY CH | <u>AIN</u> " ("APPLICATION"), which: |
| will be filed. ASSIGNEE'S legal in the second seco | ASSIGNOR hereby authorepresentative, Microsoft Way, Redmond, Washingt ATIVES), to insert here in page and given Application No., filing of Application No., filing of | rizes, and requests, Technology Licensing, con 98052 (ASSIGNEE'S arentheses (filed on o. 17/647,924 by and Trademark Office) |
| | and was given A | |
| Microsoft Technology Lice behalf of itself and its successors of acquiring, the entire and ex- priority, in the INVENTION and t derived therefrom, such as cont United States, its territories, and | s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o cinuing applications, in wh | terest, including the right of ther applications and patents ole or in part, in and for the |
| ASSIGNOR hereby authori | zes, and requests, ASSIGN | EE'S LEGAL REPRESENTATIVES |
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| Inventor's Signature | Date |
| Vishal JAIN | |
| Printed Name in English | Printed Name in Native Language |
| | (if other than English) |