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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 1 OF 33                                            | Attorney Docket No.  | TSLA.508CI        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                    |                                                                                |
|-----------------------|----------|---------------------------------------------------------------------------|--------------------------------|--------------------|--------------------------------------------------------------------------------|
| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name               | Pages, Columns, Lines Where<br>Relevant Passages or<br>Relevant Figures Appear |
|                       | 1        | 6,882,755                                                                 | 5/19/2005                      | Silverstein et al. |                                                                                |
|                       | 2        | 7,209,031                                                                 | 4/24/2007                      | Nakai et al.       |                                                                                |
|                       | 3        | 7,747,070                                                                 | 6/29/2010                      | Puri               |                                                                                |
|                       | 4        | 7,904,867                                                                 | 3/8/2011                       | Burch et al.       |                                                                                |
|                       | 5        | 7,974,492                                                                 | 7/5/2011                       | Nishijima          |                                                                                |
|                       | 6        | 8,165,380                                                                 | 4/24/2012                      | Choi et al.        |                                                                                |
|                       | 7        | 8,369,633                                                                 | 2/5/2013                       | Lu et al.          |                                                                                |
|                       | 8        | 8,406,515                                                                 | 3/26/2013                      | Cheatle et al.     |                                                                                |
|                       | 9        | 8,509,478                                                                 | 8/13/2013                      | Haas et al.        |                                                                                |
|                       | 10       | 8,588,470                                                                 | 11/19/2013                     | Rodriguez et al.   |                                                                                |
|                       | 11       | 8,744,174                                                                 | 6/3/2014                       | Hamada et al.      |                                                                                |
|                       | 12       | 8,773,498                                                                 | 7/8/2014                       | Lindbergh          |                                                                                |
|                       | 13       | 8,912,476                                                                 | 12/16/2014                     | Fogg et al.        |                                                                                |
|                       | 14       | 8,913,830                                                                 | 12/16/2014                     | Sun et al.         |                                                                                |
|                       | 15       | 8,928,753                                                                 | 1/6/2015                       | Han et al.         |                                                                                |
|                       | 16       | 8,972,095                                                                 | 3/3/2015                       | Furuno et al.      |                                                                                |
|                       | 17       | 8,976,269                                                                 | 3/10/2015                      | Duong              |                                                                                |
|                       | 18       | 9,008,422                                                                 | 4/14/2015                      | Eid et al.         |                                                                                |
|                       | 19       | 9,081,385                                                                 | 7/14/2015                      | Ferguson et al.    |                                                                                |
|                       | 20       | 9,275,289                                                                 | 3/1/2016                       | Li et al.          |                                                                                |
|                       | 21       | 9,586,455                                                                 | 3/7/2017                       | Sugai et al.       |                                                                                |
|                       | 22       | 9,672,437                                                                 | 6/6/2017                       | McCarthy           |                                                                                |
|                       | 23       | 9,710,696                                                                 | 7/18/2017                      | Wang et al.        |                                                                                |
|                       | 24       | 9,738,223                                                                 | 8/22/2017                      | Zhang et al.       |                                                                                |
|                       | 25       | 9,754,154                                                                 | 9/5/2017                       | Craig et al.       |                                                                                |
|                       | 26       | 9,767,369                                                                 | 9/19/2017                      | Furman et al.      |                                                                                |
|                       | 27       | 9,965,865                                                                 | 5/8/2018                       | Agrawal et al.     |                                                                                |
|                       | 28       | 10,133,273                                                                | 11/20/2018                     | Linke              |                                                                                |
|                       | 29       | 10,140,252                                                                | 11/27/2018                     | Fowers et al.      |                                                                                |

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|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 2 OF 33                                            | Attorney Docket No.  | TSLA.508C1        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                          |                                                                                |
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|                       | 30       | 10,140,544                                                                | 11/27/2018                     | Zhao et al.              |                                                                                |
|                       | 31       | 10,146,225                                                                | 12/4/2018                      | Ryan,                    |                                                                                |
|                       | 32       | 10,152,655                                                                | 12/11/2018                     | Krishnamurthy et al.     |                                                                                |
|                       | 33       | 10,167,800                                                                | 1/1/2019                       | Chung et al.             |                                                                                |
|                       | 34       | 10,169,680                                                                | 1/1/2019                       | Sachdeva et al.          |                                                                                |
|                       | 35       | 10,192,016                                                                | 1/29/2019                      | Ng et al.                |                                                                                |
|                       | 36       | 10,216,189                                                                | 2/26/2019                      | Haynes                   |                                                                                |
|                       | 37       | 10,228,693                                                                | 3/12/2019                      | Micks et al.             |                                                                                |
|                       | 38       | 10,242,293                                                                | 3/26/2019                      | Shim et al.              |                                                                                |
|                       | 39       | 10,248,121                                                                | 4/2/2019                       | VandenBerg, III          |                                                                                |
|                       | 40       | 10,262,218                                                                | 4/16/2019                      | Lee et al.               |                                                                                |
|                       | 41       | 10,282,623                                                                | 5/7/2019                       | Ziyade et al.            |                                                                                |
|                       | 42       | 10,296,828                                                                | 5/21/2019                      | Viswanathan              |                                                                                |
|                       | 43       | 10,303,961                                                                | 5/28/2019                      | Stoffel et al.           |                                                                                |
|                       | 44       | 10,310,087                                                                | 6/4/2019                       | Laddha et al.            |                                                                                |
|                       | 45       | 10,311,312                                                                | 6/4/2019                       | Yu et al.                |                                                                                |
|                       | 46       | 10,318,848                                                                | 6/11/2019                      | Dijkman et al.           |                                                                                |
|                       | 47       | 10,325,178                                                                | 6/18/2019                      | Tang et al.              |                                                                                |
|                       | 48       | 10,331,974                                                                | 6/25/2019                      | Zia et al.               |                                                                                |
|                       | 49       | 10,338,600                                                                | 7/2/2019                       | Yoon et al.              |                                                                                |
|                       | 50       | 10,343,607                                                                | 7/9/2019                       | Kumon et al.             |                                                                                |
|                       | 51       | 10,359,783                                                                | 7/23/2019                      | Williams et al.          |                                                                                |
|                       | 52       | 10,366,290                                                                | 7/30/2019                      | Wang et al.              |                                                                                |
|                       | 53       | 10,372,130                                                                | 8/6/2019                       | Kaushansky et al.        |                                                                                |
|                       | 54       | 10,373,019                                                                | 8/6/2019                       | Nariyambut Murali et al. |                                                                                |
|                       | 55       | 10,373,026                                                                | 8/6/2019                       | Kim et al.               |                                                                                |
|                       | 56       | 10,380,741                                                                | 8/13/2019                      | Yedla et al.             |                                                                                |
|                       | 57       | 10,394,237                                                                | 8/27/2019                      | Xu et al.                |                                                                                |
|                       | 58       | 10,395,144                                                                | 8/27/2019                      | Zeng et al.              |                                                                                |

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| SHEET 3 OF 33                                            | Attorney Docket No.  | TSLA.508CI        |

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|                       | 59       | 10,402,646                                                                | 9/3/2019                       | Klaus             |                                                                                |
|                       | 60       | 10,402,986                                                                | 9/3/2019                       | Ray et al.        |                                                                                |
|                       | 61       | 10,414,395                                                                | 9/17/2019                      | Sapp et al.       |                                                                                |
|                       | 62       | 10,423,934                                                                | 9/24/2019                      | Zanghi et al.     |                                                                                |
|                       | 63       | 10,436,615                                                                | 10/8/2019                      | Agarwal et al.    |                                                                                |
|                       | 64       | 10,452,905                                                                | 10/22/2019                     | Segalovitz et al. |                                                                                |
|                       | 65       | 10,460,053                                                                | 10/29/2019                     | Olson et al.      |                                                                                |
|                       | 66       | 10,467,459                                                                | 11/5/2019                      | Chen et al.       |                                                                                |
|                       | 67       | 10,468,008                                                                | 11/5/2019                      | Beckman et al.    |                                                                                |
|                       | 68       | 10,468,062                                                                | 11/5/2019                      | Levinson et al.   |                                                                                |
|                       | 69       | 10,470,510                                                                | 11/12/2019                     | Koh et al.        |                                                                                |
|                       | 70       | 10,474,160                                                                | 11/12/2019                     | Huang et al.      |                                                                                |
|                       | 71       | 10,474,161                                                                | 11/12/2019                     | Huang et al.      |                                                                                |
|                       | 72       | 10,474,928                                                                | 11/12/2019                     | Sivakumar et al.  |                                                                                |
|                       | 73       | 10,489,126                                                                | 11/26/2019                     | Kumar et al.      |                                                                                |
|                       | 74       | 10,489,972                                                                | 11/26/2019                     | Atsmon            |                                                                                |
|                       | 75       | 10,503,971                                                                | 12/10/2019                     | Dang et al.       |                                                                                |
|                       | 76       | 10,514,711                                                                | 12/24/2019                     | Bar-Nahum et al.  |                                                                                |
|                       | 77       | 10,528,824                                                                | 1/7/2020                       | Zou               |                                                                                |
|                       | 78       | 10,529,078                                                                | 1/7/2020                       | Abreu et al.      |                                                                                |
|                       | 79       | 10,529,088                                                                | 1/7/2020                       | Fine et al.       |                                                                                |
|                       | 80       | 10,534,854                                                                | 1/14/2020                      | Sharma et al.     |                                                                                |
|                       | 81       | 10,535,191                                                                | 1/14/2020                      | Sachdeva et al.   |                                                                                |
|                       | 82       | 10,542,930                                                                | 1/28/2020                      | Sanchez et al.    |                                                                                |
|                       | 83       | 10,546,197                                                                | 1/28/2020                      | Shrestha et al.   |                                                                                |
|                       | 84       | 10,546,217                                                                | 1/28/2020                      | Albright et al.   |                                                                                |
|                       | 85       | 10,552,682                                                                | 2/4/2020                       | Jonsson et al.    |                                                                                |
|                       | 86       | 10,559,386                                                                | 2/11/2020                      | Neuman            |                                                                                |
|                       | 87       | 10,565,475                                                                | 2/18/2020                      | Lecue et al.      |                                                                                |

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| SHEET 4 OF 33                                            | Attorney Docket No.  | TSLA.508CI        |

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|                       | 88       | 10,567,674                                                                | 2/18/2020                      | Kirsch            |                                                                          |
|                       | 89       | 10,568,570                                                                | 2/25/2020                      | Sherpa et al.     |                                                                          |
|                       | 90       | 10,572,717                                                                | 2/25/2020                      | Zhu et al.        |                                                                          |
|                       | 91       | 10,574,905                                                                | 2/25/2020                      | Srikanth et al.   |                                                                          |
|                       | 92       | 10,579,058                                                                | 3/3/2020                       | Oh et al.         |                                                                          |
|                       | 93       | 10,579,063                                                                | 3/3/2020                       | Haynes et al.     |                                                                          |
|                       | 94       | 10,579,897                                                                | 3/3/2020                       | Redmon et al.     |                                                                          |
|                       | 95       | 10,586,280                                                                | 3/10/2020                      | McKenna et al.    |                                                                          |
|                       | 96       | 10,591,914                                                                | 3/17/2020                      | Palanisamy et al. |                                                                          |
|                       | 97       | 10,592,785                                                                | 3/17/2020                      | Zhu et al.        |                                                                          |
|                       | 98       | 10,599,701                                                                | 3/24/2020                      | Liu               |                                                                          |
|                       | 99       | 10,599,930                                                                | 3/24/2020                      | Lee et al.        |                                                                          |
|                       | 100      | 10,599,958                                                                | 3/24/2020                      | He et al.         |                                                                          |
|                       | 101      | 10,606,990                                                                | 3/31/2020                      | Tuli et al.       |                                                                          |
|                       | 102      | 10,609,434                                                                | 3/31/2020                      | Singhai et al.    |                                                                          |
|                       | 103      | 10,614,344                                                                | 4/7/2020                       | Anthony et al.    |                                                                          |
|                       | 104      | 10,621,513                                                                | 4/14/2020                      | Deshpande et al.  |                                                                          |
|                       | 105      | 10,627,818                                                                | 4/21/2020                      | Sapp et al.       |                                                                          |
|                       | 106      | 10,628,432                                                                | 4/21/2020                      | Guo et al.        |                                                                          |
|                       | 107      | 10,628,686                                                                | 4/21/2020                      | Ogale et al.      |                                                                          |
|                       | 108      | 10,628,688                                                                | 4/21/2020                      | Kim et al.        |                                                                          |
|                       | 109      | 10,629,080                                                                | 4/21/2020                      | Kazemi et al.     |                                                                          |
|                       | 110      | 10,636,161                                                                | 4/28/2020                      | Uchigaito         |                                                                          |
|                       | 111      | 10,636,169                                                                | 4/28/2020                      | Estrada et al.    |                                                                          |
|                       | 112      | 10,642,275                                                                | 5/5/2020                       | Silva et al.      |                                                                          |
|                       | 113      | 10,645,344                                                                | 5/5/2020                       | Marman et al.     |                                                                          |
|                       | 114      | 10,649,464                                                                | 5/12/2020                      | Gray              |                                                                          |
|                       | 115      | 10,650,071                                                                | 5/12/2020                      | Asgekar et al.    |                                                                          |
|                       | 116      | 10,652,565                                                                | 5/12/2020                      | Zhang et al.      |                                                                          |

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|                       | 117      | 10,656,657                                                                | 5/19/2020                      | Djuric et al.    |                                                                          |
|                       | 118      | 10,657,391                                                                | 5/19/2020                      | Chen et al.      |                                                                          |
|                       | 119      | 10,657,418                                                                | 5/19/2020                      | Marder et al.    |                                                                          |
|                       | 120      | 10,657,934                                                                | 5/19/2020                      | Kolen et al.     |                                                                          |
|                       | 121      | 10,661,902                                                                | 5/26/2020                      | Tavshikar        |                                                                          |
|                       | 122      | 10,664,750                                                                | 5/26/2020                      | Greene           |                                                                          |
|                       | 123      | 10,671,082                                                                | 6/2/2020                       | Huang et al.     |                                                                          |
|                       | 124      | 10,671,886                                                                | 6/2/2020                       | Price et al.     |                                                                          |
|                       | 125      | 10,678,244                                                                | 6/9/2020                       | Iandolo et al.   |                                                                          |
|                       | 126      | 10,678,839                                                                | 6/9/2020                       | Gordon et al.    |                                                                          |
|                       | 127      | 10,678,997                                                                | 6/9/2020                       | Ahuja et al.     |                                                                          |
|                       | 128      | 10,679,129                                                                | 6/9/2020                       | Baker            |                                                                          |
|                       | 129      | 10,685,159                                                                | 6/16/2020                      | Su et al.        |                                                                          |
|                       | 130      | 10,685,188                                                                | 6/16/2020                      | Zhang et al.     |                                                                          |
|                       | 131      | 10,692,000                                                                | 6/23/2020                      | Surazhsky et al. |                                                                          |
|                       | 132      | 10,692,242                                                                | 6/23/2020                      | Morrison et al.  |                                                                          |
|                       | 133      | 10,693,740                                                                | 6/23/2020                      | Coccia et al.    |                                                                          |
|                       | 134      | 10,698,868                                                                | 6/30/2020                      | Guggilla et al.  |                                                                          |
|                       | 135      | 10,699,119                                                                | 6/30/2020                      | Lo et al.        |                                                                          |
|                       | 136      | 10,699,140                                                                | 6/30/2020                      | Kench et al.     |                                                                          |
|                       | 137      | 10,699,477                                                                | 6/30/2020                      | Levinson et al.  |                                                                          |
|                       | 138      | 10,713,502                                                                | 7/14/2020                      | Tiziani          |                                                                          |
|                       | 139      | 10,719,759                                                                | 7/21/2020                      | Kutliroff        |                                                                          |
|                       | 140      | 10,725,475                                                                | 7/28/2020                      | Yang et al.      |                                                                          |
|                       | 141      | 10,726,264                                                                | 7/28/2020                      | Sawhney et al.   |                                                                          |
|                       | 142      | 10,726,279                                                                | 7/28/2020                      | Kim et al.       |                                                                          |
|                       | 143      | 10,726,374                                                                | 7/28/2020                      | Engineer et al.  |                                                                          |
|                       | 144      | 10,732,261                                                                | 8/4/2020                       | Wang et al.      |                                                                          |
|                       | 145      | 10,733,262                                                                | 8/4/2020                       | Miller et al.    |                                                                          |

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|                       | 146      | 10,733,482                                                                | 8/4/2020                       | Lee et al.       |                                                                          |
|                       | 147      | 10,733,638                                                                | 8/4/2020                       | Jain et al.      |                                                                          |
|                       | 148      | 10,733,755                                                                | 8/4/2020                       | Liao et al.      |                                                                          |
|                       | 149      | 10,733,876                                                                | 8/4/2020                       | Moura et al.     |                                                                          |
|                       | 150      | 10,740,563                                                                | 8/11/2020                      | Dugan            |                                                                          |
|                       | 151      | 10,740,914                                                                | 8/11/2020                      | Xiao et al.      |                                                                          |
|                       | 152      | 10,748,062                                                                | 8/18/2020                      | Rippel et al.    |                                                                          |
|                       | 153      | 10,748,247                                                                | 8/18/2020                      | Paluri           |                                                                          |
|                       | 154      | 10,751,879                                                                | 8/25/2020                      | Li et al.        |                                                                          |
|                       | 155      | 10,755,112                                                                | 8/25/2020                      | Mabuchi          |                                                                          |
|                       | 156      | 10,755,575                                                                | 8/25/2020                      | Johnston et al.  |                                                                          |
|                       | 157      | 10,757,330                                                                | 8/25/2020                      | Ashrafi          |                                                                          |
|                       | 158      | 10,762,396                                                                | 9/1/2020                       | Vallespi et al.  |                                                                          |
|                       | 159      | 10,768,628                                                                | 9/8/2020                       | Martin et al.    |                                                                          |
|                       | 160      | 10,768,629                                                                | 9/8/2020                       | Song et al.      |                                                                          |
|                       | 161      | 10,769,446                                                                | 9/8/2020                       | Chang et al.     |                                                                          |
|                       | 162      | 10,769,483                                                                | 9/8/2020                       | Nirenberg et al. |                                                                          |
|                       | 163      | 10,769,493                                                                | 9/8/2020                       | Yu et al.        |                                                                          |
|                       | 164      | 10,769,494                                                                | 9/8/2020                       | Xiao et al.      |                                                                          |
|                       | 165      | 10,769,525                                                                | 9/8/2020                       | Redding et al.   |                                                                          |
|                       | 166      | 10,776,626                                                                | 9/15/2020                      | Lin et al.       |                                                                          |
|                       | 167      | 10,776,673                                                                | 9/15/2020                      | Kim et al.       |                                                                          |
|                       | 168      | 10,776,939                                                                | 9/15/2020                      | Ma et al.        |                                                                          |
|                       | 169      | 10,779,760                                                                | 9/22/2020                      | Lee et al.       |                                                                          |
|                       | 170      | 10,783,381                                                                | 9/22/2020                      | Yu et al.        |                                                                          |
|                       | 171      | 10,783,454                                                                | 9/22/2020                      | Shoaib et al.    |                                                                          |
|                       | 172      | 10,789,402                                                                | 9/29/2020                      | Vemuri et al.    |                                                                          |
|                       | 173      | 10,789,544                                                                | 9/29/2020                      | Fiedel et al.    |                                                                          |
|                       | 174      | 10,790,919                                                                | 9/29/2020                      | Kolen et al.     |                                                                          |

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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 7 OF 33                                            | Attorney Docket No.  | TSLA.508CI        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                    |                                                                          |
|-----------------------|----------|---------------------------------------------------------------------------|--------------------------------|--------------------|--------------------------------------------------------------------------|
| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name               | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|                       | 175      | 10,796,221                                                                | 10/6/2020                      | Zhang et al.       |                                                                          |
|                       | 176      | 10,796,355                                                                | 10/6/2020                      | Price et al.       |                                                                          |
|                       | 177      | 10,796,423                                                                | 10/6/2020                      | Goja               |                                                                          |
|                       | 178      | 10,798,368                                                                | 10/6/2020                      | Briggs et al.      |                                                                          |
|                       | 179      | 10,803,325                                                                | 10/13/2020                     | Bai et al.         |                                                                          |
|                       | 180      | 10,803,328                                                                | 10/13/2020                     | Bai et al.         |                                                                          |
|                       | 181      | 10,803,743                                                                | 10/13/2020                     | Abari et al.       |                                                                          |
|                       | 182      | 10,805,629                                                                | 10/13/2020                     | Liu et al.         |                                                                          |
|                       | 183      | 10,809,730                                                                | 10/20/2020                     | Chintakindi        |                                                                          |
|                       | 184      | 10,810,445                                                                | 10/20/2020                     | Kangaspunta        |                                                                          |
|                       | 185      | 10,816,346                                                                | 10/27/2020                     | Wheeler et al.     |                                                                          |
|                       | 186      | 10,816,992                                                                | 10/27/2020                     | Chen,              |                                                                          |
|                       | 187      | 10,817,731                                                                | 10/27/2020                     | Vallespi et al.    |                                                                          |
|                       | 188      | 10,817,732                                                                | 10/27/2020                     | Porter et al.      |                                                                          |
|                       | 189      | 10,819,923                                                                | 10/27/2020                     | McCauley et al.    |                                                                          |
|                       | 190      | 10,824,122                                                                | 11/3/2020                      | Mummadi et al.     |                                                                          |
|                       | 191      | 10,824,862                                                                | 11/3/2020                      | Qi et al.          |                                                                          |
|                       | 192      | 10,828,790                                                                | 11/10/2020                     | Nemallan           |                                                                          |
|                       | 193      | 10,832,057                                                                | 11/10/2020                     | Chan et al.        |                                                                          |
|                       | 194      | 10,832,093                                                                | 11/10/2020                     | Taralova et al.    |                                                                          |
|                       | 195      | 10,832,414                                                                | 11/10/2020                     | Pfeiffer           |                                                                          |
|                       | 196      | 10,832,418                                                                | 11/10/2020                     | Karasev et al.     |                                                                          |
|                       | 197      | 10,833,785                                                                | 11/10/2020                     | O'Shea et al.      |                                                                          |
|                       | 198      | 10,836,379                                                                | 11/17/2020                     | Xiao et al.        |                                                                          |
|                       | 199      | 10,838,936                                                                | 11/17/2020                     | Cohen              |                                                                          |
|                       | 200      | 10,839,230                                                                | 11/17/2020                     | Charette et al.    |                                                                          |
|                       | 201      | 10,839,578                                                                | 11/17/2020                     | Coppersmith et al. |                                                                          |
|                       | 202      | 10,843,628                                                                | 11/24/2020                     | Kawamoto et al.    |                                                                          |
|                       | 203      | 10,845,820                                                                | 11/24/2020                     | Wheeler            |                                                                          |

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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
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| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                        |                                                                                |
|-----------------------|----------|---------------------------------------------------------------------------|--------------------------------|------------------------|--------------------------------------------------------------------------------|
| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name                   | Pages, Columns, Lines Where<br>Relevant Passages or<br>Relevant Figures Appear |
|                       | 204      | 10,845,943                                                                | 11/24/2020                     | Ansari et al.          |                                                                                |
|                       | 205      | 10,846,831                                                                | 11/24/2020                     | Raduta                 |                                                                                |
|                       | 206      | 10,846,888                                                                | 11/24/2020                     | Kaplanyan et al.       |                                                                                |
|                       | 207      | 10,853,670                                                                | 12/1/2020                      | Sholingar et al.       |                                                                                |
|                       | 208      | 10,853,739                                                                | 12/1/2020                      | Truong et al.          |                                                                                |
|                       | 209      | 10,860,919                                                                | 12/8/2020                      | Kanazawa et al.        |                                                                                |
|                       | 210      | 10,860,924                                                                | 12/8/2020                      | Burger                 |                                                                                |
|                       | 211      | 10,867,444                                                                | 12/15/2020                     | Russell et al.         |                                                                                |
|                       | 212      | 10,871,444                                                                | 12/22/2020                     | Al et al.              |                                                                                |
|                       | 213      | 10,871,782                                                                | 12/22/2020                     | Milstein et al.        |                                                                                |
|                       | 214      | 10,872,204                                                                | 12/22/2020                     | Zhu et al.             |                                                                                |
|                       | 215      | 10,872,254                                                                | 12/22/2020                     | Mangia et al.          |                                                                                |
|                       | 216      | 10,872,326                                                                | 12/22/2020                     | Garner                 |                                                                                |
|                       | 217      | 10,872,531                                                                | 12/22/2020                     | Liu et al.             |                                                                                |
|                       | 218      | 10,885,083                                                                | 1/5/2021                       | Moeller-Bertram et al. |                                                                                |
|                       | 219      | 10,887,433                                                                | 1/5/2021                       | Fu et al.              |                                                                                |
|                       | 220      | 10,890,898                                                                | 1/12/2021                      | Akella et al.          |                                                                                |
|                       | 221      | 10,891,715                                                                | 1/12/2021                      | Li                     |                                                                                |
|                       | 222      | 10,891,735                                                                | 1/12/2021                      | Yang et al.            |                                                                                |
|                       | 223      | 10,893,070                                                                | 1/12/2021                      | Wang et al.            |                                                                                |
|                       | 224      | 10,893,107                                                                | 1/12/2021                      | Callari et al.         |                                                                                |
|                       | 225      | 10,896,763                                                                | 1/19/2021                      | Kempanna et al.        |                                                                                |
|                       | 226      | 10,901,416                                                                | 1/26/2021                      | Khanna et al.          |                                                                                |
|                       | 227      | 10,901,508                                                                | 1/26/2021                      | Laszlo et al.          |                                                                                |
|                       | 228      | 10,902,551                                                                | 1/26/2021                      | Mellado et al.         |                                                                                |
|                       | 229      | 10,908,068                                                                | 2/2/2021                       | Amer et al.            |                                                                                |
|                       | 230      | 10,908,606                                                                | 2/2/2021                       | Stein et al.           |                                                                                |
|                       | 231      | 10,909,368                                                                | 2/2/2021                       | Guo et al.             |                                                                                |
|                       | 232      | 10,909,453                                                                | 2/2/2021                       | Myers et al.           |                                                                                |

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|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 9 OF 33                                            | Attorney Docket No.  | TSLA.508CI        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                    |                                                                          |
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| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name               | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|                       | 233      | 10,915,783                                                                | 2/9/2021                       | Hallman et al.     |                                                                          |
|                       | 234      | 10,917,522                                                                | 2/9/2021                       | Segalis et al.     |                                                                          |
|                       | 235      | 10,921,817                                                                | 2/16/2021                      | Kangaspunta        |                                                                          |
|                       | 236      | 10,922,578                                                                | 2/16/2021                      | Banerjee et al.    |                                                                          |
|                       | 237      | 10,924,661                                                                | 2/16/2021                      | Vasconcelos et al. |                                                                          |
|                       | 238      | 10,928,508                                                                | 2/23/2021                      | Swaminathan        |                                                                          |
|                       | 239      | 10,929,757                                                                | 2/23/2021                      | Baker et al.       |                                                                          |
|                       | 240      | 10,930,065                                                                | 2/23/2021                      | Grant et al.       |                                                                          |
|                       | 241      | 10,936,908                                                                | 3/2/2021                       | Ho et al.          |                                                                          |
|                       | 242      | 10,937,186                                                                | 3/2/2021                       | Wang et al.        |                                                                          |
|                       | 243      | 10,943,101                                                                | 3/9/2021                       | Agarwal et al.     |                                                                          |
|                       | 244      | 10,943,132                                                                | 3/9/2021                       | Wang et al.        |                                                                          |
|                       | 245      | 10,943,355                                                                | 3/9/2021                       | Fagg et al.        |                                                                          |
|                       | 246      | 2003-0035481                                                              | 2/20/2003                      | Hahm               |                                                                          |
|                       | 247      | 2005-0162445                                                              | 7/28/2005                      | Sheasby et al.     |                                                                          |
|                       | 248      | 2006-0072847                                                              | 4/6/2006                       | Chor et al.        |                                                                          |
|                       | 249      | 2006-0224533                                                              | 10/5/2006                      | Thaler             |                                                                          |
|                       | 250      | 2006-0280364                                                              | 12/14/2006                     | Ma et al.          |                                                                          |
|                       | 251      | 2009-0016571                                                              | 1/15/2009                      | Tijerina et al.    |                                                                          |
|                       | 252      | 2010-0118157                                                              | 5/13/2010                      | Kameyama           |                                                                          |
|                       | 253      | 2012-0109915                                                              | 5/2/2013                       | Krupnik et al.     |                                                                          |
|                       | 254      | 2012-0110491                                                              | 5/3/2012                       | Cheung             |                                                                          |
|                       | 255      | 2012-0134595                                                              | 5/31/2012                      | Fonseca et al.     |                                                                          |
|                       | 256      | 2015-0104102                                                              | 4/16/2015                      | CARREIRA et al.    |                                                                          |
|                       | 257      | 2016-0132786                                                              | 5/12/2016                      | Balan et al.       |                                                                          |
|                       | 258      | 2016-0328856                                                              | 11/10/2016                     | Mannino et al.     |                                                                          |
|                       | 259      | 2017-0011281                                                              | 1/12/2017                      | Dihkman et al.     |                                                                          |
|                       | 260      | 2017-0158134                                                              | 6/8/2017                       | Shigemura          |                                                                          |
|                       | 261      | 2017-0206434                                                              | 7/20/2017                      | Nariyambut et al.  |                                                                          |

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|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 10 OF 33                                           | Attorney Docket No.  | TSLA.508CI        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                     |                                                                                |
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| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name                | Pages, Columns, Lines Where<br>Relevant Passages or<br>Relevant Figures Appear |
|                       | 262      | 2018-0012411                                                              | 1/11/2018                      | Richey et al.       |                                                                                |
|                       | 263      | 2018-0018590                                                              | 1/18/2018                      | Szeto et al.        |                                                                                |
|                       | 264      | 2018-0039853                                                              | 2/8/2018                       | Liu et al.          |                                                                                |
|                       | 265      | 2018-0067489                                                              | 3/8/2018                       | Oder et al.         |                                                                                |
|                       | 266      | 2018-0068459                                                              | 3/8/2018                       | Zhang et al.        |                                                                                |
|                       | 267      | 2018-0068540                                                              | 3/8/2018                       | ROMANENKO et al.    |                                                                                |
|                       | 268      | 2018-0074506                                                              | 3/15/2018                      | BRANSON             |                                                                                |
|                       | 269      | 2018-0121762                                                              | 5/3/2018                       | Han et al.          |                                                                                |
|                       | 270      | 2018-0150081                                                              | 5/31/2018                      | GROSS et al.        |                                                                                |
|                       | 271      | 2018-0211403                                                              | 7/26/2018                      | Hotson et al.       |                                                                                |
|                       | 272      | 2018-0308012                                                              | 10/25/2018                     | Mummadi et al.      |                                                                                |
|                       | 273      | 2018-0314878                                                              | 11/1/2018                      | Lee et al.          |                                                                                |
|                       | 274      | 2018-0357511                                                              | 12/13/2018                     | MISRA et al.        |                                                                                |
|                       | 275      | 2018-0374105                                                              | 12/27/2018                     | Azout et al.        |                                                                                |
|                       | 276      | 2019-0023277                                                              | 1/24/2019                      | Roger et al.        |                                                                                |
|                       | 277      | 2019-0025773                                                              | 1/24/2019                      | Yang et al.         |                                                                                |
|                       | 278      | 2019-0042894                                                              | 2/7/2019                       | Anderson            |                                                                                |
|                       | 279      | 2019-0042919                                                              | 2/7/2019                       | Peysakhovich et al. |                                                                                |
|                       | 280      | 2019-0042944                                                              | 2/7/2019                       | Nair et al.         |                                                                                |
|                       | 281      | 2019-0042948                                                              | 2/7/2019                       | LEE et al.          |                                                                                |
|                       | 282      | 2019-0057314                                                              | 2/21/2019                      | JULIAN et al.       |                                                                                |
|                       | 283      | 2019-0065637                                                              | 2/28/2019                      | Bogdoll et al.      |                                                                                |
|                       | 284      | 2019-0072978                                                              | 3/7/2019                       | Levi                |                                                                                |
|                       | 285      | 2019-0079526                                                              | 3/14/2019                      | Vallespi et al.     |                                                                                |
|                       | 286      | 2019-0080602                                                              | 3/14/2019                      | Rice et al.         |                                                                                |
|                       | 287      | 2019-0095780                                                              | 3/28/2019                      | ZHONG et al.        |                                                                                |
|                       | 288      | 2019-0095946                                                              | 3/28/2019                      | Azout et al.        |                                                                                |
|                       | 289      | 2019-0101914                                                              | 4/4/2019                       | Coleman et al.      |                                                                                |
|                       | 290      | 2019-0108417                                                              | 4/11/2019                      | TALAGALA et al.     |                                                                                |

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|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 11 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                       |                                                                                |
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|                       | 291      | 2019-0122111                                                              | 4/25/2019                      | Min et al.            |                                                                                |
|                       | 292      | 2019-0130255                                                              | 5/2/2019                       | Yim et al.            |                                                                                |
|                       | 293      | 2019-0145765                                                              | 5/16/2019                      | Luo et al.            |                                                                                |
|                       | 294      | 2019-0146497                                                              | 5/16/2019                      | Urtasun et al.        |                                                                                |
|                       | 295      | 2019-0147112                                                              | 5/16/2019                      | Gordon                |                                                                                |
|                       | 296      | 2019-0147250                                                              | 5/16/2019                      | Zhang et al.          |                                                                                |
|                       | 297      | 2019-0147254                                                              | 5/16/2019                      | Bai et al.            |                                                                                |
|                       | 298      | 2019-0147255                                                              | 5/16/2019                      | Homayounfar et al.    |                                                                                |
|                       | 299      | 2019-0147335                                                              | 5/16/2019                      | Wang et al.           |                                                                                |
|                       | 300      | 2019-0147372                                                              | 5/16/2019                      | Luo et al.            |                                                                                |
|                       | 301      | 2019-0158784                                                              | 5/23/2019                      | AHN et al.            |                                                                                |
|                       | 302      | 2019-0180154                                                              | 6/13/2019                      | Orlov et al.          |                                                                                |
|                       | 303      | 2019-0185010                                                              | 6/20/2019                      | Ganguli et al.        |                                                                                |
|                       | 304      | 2019-0189251                                                              | 6/20/2019                      | Horiuchi et al.       |                                                                                |
|                       | 305      | 2019-0197357                                                              | 6/27/2019                      | ANDERSON et al.       |                                                                                |
|                       | 306      | 2019-0204842                                                              | 7/4/2019                       | Jafari et al.         |                                                                                |
|                       | 307      | 2019-0205402                                                              | 7/4/2019                       | Sernau et al.         |                                                                                |
|                       | 308      | 2019-0205667                                                              | 7/4/2019                       | Avidan et al.         |                                                                                |
|                       | 309      | 2019-0217791                                                              | 7/18/2019                      | Bradley et al.        |                                                                                |
|                       | 310      | 2019-0227562                                                              | 7/25/2019                      | Mohammadiha et al.    |                                                                                |
|                       | 311      | 2019-0228037                                                              | 7/25/2019                      | Nicol et al.          |                                                                                |
|                       | 312      | 2019-0230282                                                              | 7/25/2019                      | Sypitkowski et al.    |                                                                                |
|                       | 313      | 2019-0235499                                                              | 8/1/2019                       | Kazemi et al.         |                                                                                |
|                       | 314      | 2019-0236437                                                              | 8/1/2019                       | Shin et al.           |                                                                                |
|                       | 315      | 2019-0243371                                                              | 8/8/2019                       | Nister et al.         |                                                                                |
|                       | 316      | 2019-0244138                                                              | 8/8/2019                       | Bhowmick et al.       |                                                                                |
|                       | 317      | 2019-0250622                                                              | 8/15/2019                      | Nister et al.         |                                                                                |
|                       | 318      | 2019-0250626                                                              | 8/15/2019                      | Ghafarianzadeh et al. |                                                                                |
|                       | 319      | 2019-0250640                                                              | 8/15/2019                      | O'Flaherty et al.     |                                                                                |

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|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 12 OF 33                                           | Attorney Docket No.  | TSLA.508CI        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                          |                                                                          |
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|                       | 320      | 2019-0258878                                                              | 8/22/2019                      | Koivisto et al.          |                                                                          |
|                       | 321      | 2019-0266418                                                              | 8/29/2019                      | Xu et al.                |                                                                          |
|                       | 322      | 2019-0266610                                                              | 8/29/2019                      | GHATAGE et al.           |                                                                          |
|                       | 323      | 2019-0272446                                                              | 9/5/2019                       | Kangaspunta et al.       |                                                                          |
|                       | 324      | 2019-0276041                                                              | 9/12/2019                      | CHOI et al.              |                                                                          |
|                       | 325      | 2019-0279004                                                              | 9/12/2019                      | Kwon et al.              |                                                                          |
|                       | 326      | 2019-0286652                                                              | 9/19/2019                      | Habbecke et al.          |                                                                          |
|                       | 327      | 2019-0286972                                                              | 9/19/2019                      | El Hussein et al.        |                                                                          |
|                       | 328      | 2019-0287028                                                              | 9/19/2019                      | St Amant et al.          |                                                                          |
|                       | 329      | 2019-0289281                                                              | 9/19/2019                      | Badrinarayanan et al.    |                                                                          |
|                       | 330      | 2019-0294177                                                              | 9/26/2019                      | Kwon et al.              |                                                                          |
|                       | 331      | 2019-0294975                                                              | 9/26/2019                      | Sachs                    |                                                                          |
|                       | 332      | 2019-0311290                                                              | 10/10/2019                     | Huang et al.             |                                                                          |
|                       | 333      | 2019-0318099                                                              | 10/17/2019                     | Carvalho et al.          |                                                                          |
|                       | 334      | 2019-0325088                                                              | 10/24/2019                     | Dubey et al.             |                                                                          |
|                       | 335      | 2019-0325266                                                              | 10/24/2019                     | Klepper et al.           |                                                                          |
|                       | 336      | 2019-0325269                                                              | 10/24/2019                     | Bagherinezhad et al.     |                                                                          |
|                       | 337      | 2019-0325580                                                              | 10/24/2019                     | Lukac et al.             |                                                                          |
|                       | 338      | 2019-0325595                                                              | 10/24/2019                     | Stein et al.             |                                                                          |
|                       | 339      | 2019-0329790                                                              | 10/31/2019                     | Nandakumar et al.        |                                                                          |
|                       | 340      | 2019-0332875                                                              | 10/31/2019                     | Vallespi-Gonzalez et al. |                                                                          |
|                       | 341      | 2019-0333232                                                              | 10/31/2019                     | Vallespi-Gonzalez et al. |                                                                          |
|                       | 342      | 2019-0336063                                                              | 11/7/2019                      | Dascalu                  |                                                                          |
|                       | 343      | 2019-0339989                                                              | 11/7/2019                      | LIANG et al.             |                                                                          |
|                       | 344      | 2019-0340462                                                              | 11/7/2019                      | Pao et al.               |                                                                          |
|                       | 345      | 2019-0340492                                                              | 11/7/2019                      | Burger et al.            |                                                                          |
|                       | 346      | 2019-0340499                                                              | 11/7/2019                      | Burger et al.            |                                                                          |
|                       | 347      | 2019-0347501                                                              | 11/14/2019                     | Kim et al.               |                                                                          |
|                       | 348      | 2019-0349571                                                              | 11/14/2019                     | Herman et al.            |                                                                          |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 13 OF 33                                           | Attorney Docket No.  | TSLA.508CI        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                        |                                                                                |
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| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name                   | Pages, Columns, Lines Where<br>Relevant Passages or<br>Relevant Figures Appear |
|                       | 349      | 2019-0354782                                                              | 11/21/2019                     | Kee et al.             |                                                                                |
|                       | 350      | 2019-0354786                                                              | 11/21/2019                     | Lee et al.             |                                                                                |
|                       | 351      | 2019-0354808                                                              | 11/21/2019                     | Park et al.            |                                                                                |
|                       | 352      | 2019-0354817                                                              | 11/21/2019                     | Shiens et al.          |                                                                                |
|                       | 353      | 2019-0354850                                                              | 11/21/2019                     | Watson et al.          |                                                                                |
|                       | 354      | 2019-0370398                                                              | 12/5/2019                      | HE et al.              |                                                                                |
|                       | 355      | 2019-0370575                                                              | 12/5/2019                      | Nandakumar et al.      |                                                                                |
|                       | 356      | 2019-0370935                                                              | 12/5/2019                      | CHANG et al.           |                                                                                |
|                       | 357      | 2019-0373322                                                              | 12/5/2019                      | Rojas-Echenique et al. |                                                                                |
|                       | 358      | 2019-0377345                                                              | 12/12/2019                     | Bachrach et al.        |                                                                                |
|                       | 359      | 2019-0377965                                                              | 12/12/2019                     | Totolos et al.         |                                                                                |
|                       | 360      | 2019-0378049                                                              | 12/12/2019                     | Widmann et al.         |                                                                                |
|                       | 361      | 2019-0378051                                                              | 12/12/2019                     | Widmann et al.         |                                                                                |
|                       | 362      | 2019-0382007                                                              | 12/19/2019                     | Casas et al.           |                                                                                |
|                       | 363      | 2019-0384303                                                              | 12/19/2019                     | Muller et al.          |                                                                                |
|                       | 364      | 2019-0384304                                                              | 12/19/2019                     | Towal et al.           |                                                                                |
|                       | 365      | 2019-0384309                                                              | 12/19/2019                     | Silva et al.           |                                                                                |
|                       | 366      | 2019-0384994                                                              | 12/19/2019                     | Frossard et al.        |                                                                                |
|                       | 367      | 2019-0385048                                                              | 12/19/2019                     | Cassidy et al.         |                                                                                |
|                       | 368      | 2019-0385360                                                              | 12/19/2019                     | Yang et al.            |                                                                                |
|                       | 369      | 2020-0004259                                                              | 1/2/2020                       | Gulino et al.          |                                                                                |
|                       | 370      | 2020-0004351                                                              | 1/2/2020                       | Marchant et al.        |                                                                                |
|                       | 371      | 2020-0012936                                                              | 1/9/2020                       | LEE et al.             |                                                                                |
|                       | 372      | 2020-0017117                                                              | 1/16/2020                      | Milton                 |                                                                                |
|                       | 373      | 2020-0025931                                                              | 1/23/2020                      | Liang et al.           |                                                                                |
|                       | 374      | 2020-0026282                                                              | 1/23/2020                      | CHOE et al.            |                                                                                |
|                       | 375      | 2020-0026283                                                              | 1/23/2020                      | BARNES et al.          |                                                                                |
|                       | 376      | 2020-0026992                                                              | 1/23/2020                      | Zhang et al.           |                                                                                |
|                       | 377      | 2020-0027210                                                              | 1/23/2020                      | Haemel et al.          |                                                                                |

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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
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| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                   |                                                                                |
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| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name              | Pages, Columns, Lines Where<br>Relevant Passages or<br>Relevant Figures Appear |
|                       | 378      | 2020-0033858                                                              | 1/30/2020                      | Xiao              |                                                                                |
|                       | 379      | 2020-0033865                                                              | 1/30/2020                      | MELLINGER et al.  |                                                                                |
|                       | 380      | 2020-0034665                                                              | 1/30/2020                      | GHANTA et al.     |                                                                                |
|                       | 381      | 2020-0034710                                                              | 1/30/2020                      | Sidhu et al.      |                                                                                |
|                       | 382      | 2020-0036948                                                              | 1/30/2020                      | Song              |                                                                                |
|                       | 383      | 2020-0039520                                                              | 2/6/2020                       | Misu et al.       |                                                                                |
|                       | 384      | 2020-0051550                                                              | 2/13/2020                      | Baker             |                                                                                |
|                       | 385      | 2020-0060757                                                              | 2/27/2020                      | BEN-HAIM et al.   |                                                                                |
|                       | 386      | 2020-0065711                                                              | 2/27/2020                      | Clément et al.    |                                                                                |
|                       | 387      | 2020-0065879                                                              | 2/27/2020                      | Hu et al.         |                                                                                |
|                       | 388      | 2020-0069973                                                              | 3/5/2020                       | Lou et al.        |                                                                                |
|                       | 389      | 2020-0073385                                                              | 3/5/2020                       | Jobanputra et al. |                                                                                |
|                       | 390      | 2020-0074230                                                              | 3/5/2020                       | Englard et al.    |                                                                                |
|                       | 391      | 2020-0086880                                                              | 3/19/2020                      | Poeppel et al.    |                                                                                |
|                       | 392      | 2020-0089243                                                              | 3/19/2020                      | Poeppel et al.    |                                                                                |
|                       | 393      | 2020-0089969                                                              | 3/19/2020                      | Lakshmi et al.    |                                                                                |
|                       | 394      | 2020-0090056                                                              | 3/19/2020                      | SINGHAL et al.    |                                                                                |
|                       | 395      | 2020-0097841                                                              | 3/26/2020                      | Petousis et al.   |                                                                                |
|                       | 396      | 2020-0098095                                                              | 3/26/2020                      | Borcs et al.      |                                                                                |
|                       | 397      | 2020-0103894                                                              | 4/2/2020                       | Cella et al.      |                                                                                |
|                       | 398      | 2020-0104705                                                              | 4/2/2020                       | Bhowmick et al.   |                                                                                |
|                       | 399      | 2020-0110416                                                              | 4/9/2020                       | Hong et al.       |                                                                                |
|                       | 400      | 2020-0117180                                                              | 4/16/2020                      | Cella et al.      |                                                                                |
|                       | 401      | 2020-0117889                                                              | 4/16/2020                      | Laput et al.      |                                                                                |
|                       | 402      | 2020-0117916                                                              | 4/16/2020                      | LIU               |                                                                                |
|                       | 403      | 2020-0117917                                                              | 4/16/2020                      | Yoo               |                                                                                |
|                       | 404      | 2020-0118035                                                              | 4/16/2020                      | ASAWA et al.      |                                                                                |
|                       | 405      | 2020-0125844                                                              | 4/23/2020                      | She et al.        |                                                                                |
|                       | 406      | 2020-0125845                                                              | 4/23/2020                      | Hess et al.       |                                                                                |

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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 15 OF 33                                           | Attorney Docket No.  | TSLA.508CI        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                      |                                                                          |
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|                       | 407      | 2020-0126129                                                              | 4/23/2020                      | Lkhamsuren et al.    |                                                                          |
|                       | 408      | 2020-0134427                                                              | 4/30/2020                      | OH et al.            |                                                                          |
|                       | 409      | 2020-0134461                                                              | 4/30/2020                      | Chai et al.          |                                                                          |
|                       | 410      | 2020-0134466                                                              | 4/30/2020                      | Weintraub et al.     |                                                                          |
|                       | 411      | 2020-0134848                                                              | 4/30/2020                      | El-Khamy et al.      |                                                                          |
|                       | 412      | 2020-0143231                                                              | 5/7/2020                       | FUSI et al.          |                                                                          |
|                       | 413      | 2020-0143279                                                              | 5/7/2020                       | WEST et al.          |                                                                          |
|                       | 414      | 2020-0148201                                                              | 5/14/2020                      | King et al.          |                                                                          |
|                       | 415      | 2020-0149898                                                              | 5/14/2020                      | Felip et al.         |                                                                          |
|                       | 416      | 2020-0151201                                                              | 5/14/2020                      | Chandrasekhar et al. |                                                                          |
|                       | 417      | 2020-0151619                                                              | 5/14/2020                      | MOPUR et al.         |                                                                          |
|                       | 418      | 2020-0151692                                                              | 5/14/2020                      | Gao et al.           |                                                                          |
|                       | 419      | 2020-0158822                                                              | 5/21/2020                      | Owens et al.         |                                                                          |
|                       | 420      | 2020-0158869                                                              | 5/21/2020                      | Amirloo et al.       |                                                                          |
|                       | 421      | 2020-0159225                                                              | 5/21/2020                      | Zeng et al.          |                                                                          |
|                       | 422      | 2020-0160064                                                              | 5/21/2020                      | Wang et al.          |                                                                          |
|                       | 423      | 2020-0160104                                                              | 5/21/2020                      | Urtasun et al.       |                                                                          |
|                       | 424      | 2020-0160117                                                              | 5/21/2020                      | Urtasun et al.       |                                                                          |
|                       | 425      | 2020-0160178                                                              | 5/21/2020                      | Kar et al.           |                                                                          |
|                       | 426      | 2020-0160532                                                              | 5/21/2020                      | Urtasun et al.       |                                                                          |
|                       | 427      | 2020-0160558                                                              | 5/21/2020                      | Urtasun et al.       |                                                                          |
|                       | 428      | 2020-0160559                                                              | 5/21/2020                      | Urtasun et al.       |                                                                          |
|                       | 429      | 2020-0160598                                                              | 5/21/2020                      | Manivasagam et al.   |                                                                          |
|                       | 430      | 2020-0162489                                                              | 5/21/2020                      | Bar-Nahum et al.     |                                                                          |
|                       | 431      | 2020-0167438                                                              | 5/28/2020                      | Herring              |                                                                          |
|                       | 432      | 2020-0167554                                                              | 5/28/2020                      | WANG et al.          |                                                                          |
|                       | 433      | 2020-0174481                                                              | 6/4/2020                       | Van Heukelom et al.  |                                                                          |
|                       | 434      | 2020-0175326                                                              | 6/4/2020                       | Shen et al.          |                                                                          |
|                       | 435      | 2020-0175354                                                              | 6/4/2020                       | Volodarskiy et al.   |                                                                          |

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|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
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| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                    |                                                                                |
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|                       | 436      | 2020-0175371                                                              | 6/4/2020                       | Kursun             |                                                                                |
|                       | 437      | 2020-0175401                                                              | 6/4/2020                       | Shen               |                                                                                |
|                       | 438      | 2020-0183482                                                              | 6/11/2020                      | Sebot et al.       |                                                                                |
|                       | 439      | 2020-0184250                                                              | 6/11/2020                      | OKO                |                                                                                |
|                       | 440      | 2020-0184333                                                              | 6/11/2020                      | OH                 |                                                                                |
|                       | 441      | 2020-0192389                                                              | 6/18/2020                      | ReMine et al.      |                                                                                |
|                       | 442      | 2020-0193313                                                              | 6/18/2020                      | GHANTA et al.      |                                                                                |
|                       | 443      | 2020-0193328                                                              | 6/18/2020                      | GUESTRAIN et al.   |                                                                                |
|                       | 444      | 2020-0202136                                                              | 6/25/2020                      | Shrestha et al.    |                                                                                |
|                       | 445      | 2020-0202196                                                              | 6/25/2020                      | Guo et al.         |                                                                                |
|                       | 446      | 2020-0209857                                                              | 7/2/2020                       | Djuric et al.      |                                                                                |
|                       | 447      | 2020-0209867                                                              | 7/2/2020                       | Valois et al.      |                                                                                |
|                       | 448      | 2020-0209874                                                              | 7/2/2020                       | Chen et al.        |                                                                                |
|                       | 449      | 2020-0210717                                                              | 7/2/2020                       | Hou et al.         |                                                                                |
|                       | 450      | 2020-0210769                                                              | 7/2/2020                       | Hou et al.         |                                                                                |
|                       | 451      | 2020-0210777                                                              | 7/2/2020                       | Valois et al.      |                                                                                |
|                       | 452      | 2020-0216064                                                              | 7/9/2020                       | du Toit et al.     |                                                                                |
|                       | 453      | 2020-0218722                                                              | 7/9/2020                       | MAI et al.         |                                                                                |
|                       | 454      | 2020-0218979                                                              | 7/9/2020                       | Kwon et al.        |                                                                                |
|                       | 455      | 2020-0223434                                                              | 7/16/2020                      | Campos et al.      |                                                                                |
|                       | 456      | 2020-0225758                                                              | 7/16/2020                      | TANG et al.        |                                                                                |
|                       | 457      | 2020-0226377                                                              | 7/16/2020                      | Campos et al.      |                                                                                |
|                       | 458      | 2020-0226430                                                              | 7/16/2020                      | Ahuja et al.       |                                                                                |
|                       | 459      | 2020-0238998                                                              | 7/30/2020                      | Dasalukunte et al. |                                                                                |
|                       | 460      | 2020-0242381                                                              | 7/30/2020                      | CHAO et al.        |                                                                                |
|                       | 461      | 2020-0242408                                                              | 7/30/2020                      | Kim et al.         |                                                                                |
|                       | 462      | 2020-0242511                                                              | 7/30/2020                      | KALE et al.        |                                                                                |
|                       | 463      | 2020-0245869                                                              | 8/6/2020                       | Sivan et al.       |                                                                                |
|                       | 464      | 2020-0249685                                                              | 8/6/2020                       | Elluswamy et al.   |                                                                                |

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| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
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|                       | 465      | 2020-0250456                                                              | 8/6/2020                       | WANG et al.        |                                                                          |
|                       | 466      | 2020-0250515                                                              | 8/6/2020                       | Rifkin et al.      |                                                                          |
|                       | 467      | 2020-0250874                                                              | 8/6/2020                       | Assouline et al.   |                                                                          |
|                       | 468      | 2020-0257301                                                              | 8/13/2020                      | Weiser et al.      |                                                                          |
|                       | 469      | 2020-0257306                                                              | 8/13/2020                      | NISENZON           |                                                                          |
|                       | 470      | 2020-0258057                                                              | 8/13/2020                      | FARAHAT et al.     |                                                                          |
|                       | 471      | 2020-0265247                                                              | 8/20/2020                      | Musk et al.        |                                                                          |
|                       | 472      | 2020-0272160                                                              | 8/27/2020                      | Djuric et al.      |                                                                          |
|                       | 473      | 2020-0272162                                                              | 8/27/2020                      | Hasselgren et al.  |                                                                          |
|                       | 474      | 2020-0272859                                                              | 8/27/2020                      | Iashyn et al.      |                                                                          |
|                       | 475      | 2020-0273231                                                              | 8/27/2020                      | Schied et al.      |                                                                          |
|                       | 476      | 2020-0279354                                                              | 9/3/2020                       | KLAIMAN            |                                                                          |
|                       | 477      | 2020-0279364                                                              | 9/3/2020                       | Sarkisian et al.   |                                                                          |
|                       | 478      | 2020-0279371                                                              | 9/3/2020                       | WENZEL et al.      |                                                                          |
|                       | 479      | 2020-0285464                                                              | 9/10/2020                      | Brebner            |                                                                          |
|                       | 480      | 2020-0286256                                                              | 9/10/2020                      | Houts et al.       |                                                                          |
|                       | 481      | 2020-0293786                                                              | 9/17/2020                      | JIA et al.         |                                                                          |
|                       | 482      | 2020-0293796                                                              | 9/17/2020                      | Sajjadi et al.     |                                                                          |
|                       | 483      | 2020-0293828                                                              | 9/17/2020                      | Wang et al.        |                                                                          |
|                       | 484      | 2020-0293905                                                              | 9/17/2020                      | HUANG et al.       |                                                                          |
|                       | 485      | 2020-0294162                                                              | 9/17/2020                      | Shah,              |                                                                          |
|                       | 486      | 2020-0294257                                                              | 9/17/2020                      | Yoo et al.         |                                                                          |
|                       | 487      | 2020-0294310                                                              | 9/17/2020                      | Lee et al.         |                                                                          |
|                       | 488      | 2020-0297237                                                              | 9/24/2020                      | Tamersoy et al.    |                                                                          |
|                       | 489      | 2020-0298891                                                              | 9/24/2020                      | Liang et al.       |                                                                          |
|                       | 490      | 2020-0301799                                                              | 9/24/2020                      | Manivasagam et al. |                                                                          |
|                       | 491      | 2020-0302276                                                              | 9/24/2020                      | Yang et al.        |                                                                          |
|                       | 492      | 2020-0302291                                                              | 9/24/2020                      | HONG               |                                                                          |
|                       | 493      | 2020-0302627                                                              | 9/24/2020                      | Duggal et al.      |                                                                          |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 18 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                       |                                                                          |
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| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name                  | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
| <b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 19 OF 33                                           | Attorney Docket No.  | TSLA.508CI        |

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|                       | 529      | 2020-0356905                                                              | 11/12/2020                     | Luk et al.            |                                                                          |
|                       | 530      | 2020-0361083                                                              | 11/19/2020                     | Mousavian et al.      |                                                                          |
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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
| <b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 20 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

| U.S. PATENT DOCUMENTS |          |                                                                           |                                |                     |                                                                                |
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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
| <b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 21 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

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| Examiner Initials     | Cite No. | Document Number<br>Number - Kind Code (if known)<br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name             | Pages, Columns, Lines Where<br>Relevant Passages or<br>Relevant Figures Appear |
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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 22 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

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|                          | 588      | AU2019261735A1                                                                        | 6/4/2020                       | Accenture Global Solutions Ltd                                           |                                                                                   |                |
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|                          | 590      | CN103236037B                                                                          | 5/11/2016                      | Beihang University                                                       |                                                                                   | X-abstract     |
|                          | 591      | CN103366339A                                                                          | 10/23/2013                     | Xiamen Longdi Information System Co Ltd                                  |                                                                                   | X-abstract     |
|                          | 592      | CN103500322B                                                                          | 8/17/2016                      | Beihang University                                                       |                                                                                   | X-abstract     |
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|                          | 594      | CN105318888B                                                                          | 8/14/2018                      | Beihang University                                                       |                                                                                   | X-abstract     |
|                          | 595      | CN105550701B                                                                          | 11/6/2018                      | Fuzhou Huaying Heavy Ind Machinery Co Ltd                                |                                                                                   | X-abstract     |
|                          | 596      | CN106156754B                                                                          | 5/31/2019                      | Zhejiang Univ of Technology                                              |                                                                                   | X-abstract     |
|                          | 597      | CN106419893A                                                                          | 2/22/2017                      | Guangzhou Cvte Electronic Tech                                           |                                                                                   | X-abstract     |
|                          | 598      | CN106504253A                                                                          | 3/15/2017                      | Guozhengtong Tech Co Ltd.                                                |                                                                                   | X-abstract     |
|                          | 599      | CN106558058B                                                                          | 10/9/2020                      | Beijing Tusimple Future Tech Co Ltd                                      |                                                                                   | X-abstract     |
|                          | 600      | CN106598226B                                                                          | 5/21/2019                      | Univ Tianjin                                                             |                                                                                   | X-abstract     |
|                          | 601      | CN106650922B                                                                          | 5/3/2019                       | Univ Tsinghua                                                            |                                                                                   | X-abstract     |
|                          | 602      | CN106779060B                                                                          | 3/8/2019                       | Wuhan Meitong Tech Co Ltd                                                |                                                                                   | X-abstract     |
|                          | 603      | CN107031600A                                                                          | 8/11/2017                      | Dongfeng Motor Corp                                                      |                                                                                   | X-abstract     |
|                          | 604      | CN107103113B                                                                          | 1/11/2019                      | Inst Computing Tech Cas                                                  |                                                                                   | X-abstract     |
|                          | 605      | CN107133943B                                                                          | 7/6/2018                       | Transmission Operation Maintenance Company<br>Guizhou Power Grid Co. Ltd |                                                                                   | X-abstract     |
|                          | 606      | CN107169421A                                                                          | 9/15/2017                      | Univ South China Tech                                                    |                                                                                   | X-abstract     |
|                          | 607      | CN107169560B                                                                          | 10/16/2020                     | Univ Tsinghua                                                            |                                                                                   | X-abstract     |

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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
| <b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 23 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

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|                          | 608      | CN107368926B                                                                          | 7/10/2018                      | Univ Central South                                          |                                                                                   | X-abstract     |
|                          | 609      | CN107451659B                                                                          | 4/10/2020                      | Univ Tsinghua                                               |                                                                                   | X-abstract     |
|                          | 610      | CN107507134A                                                                          | 12/22/2017                     | Univ Dalian Tech                                            |                                                                                   | X-abstract     |
|                          | 611      | CN107622258B                                                                          | 10/30/2020                     | Univ Central South                                          |                                                                                   | X-abstract     |
|                          | 612      | CN107729998B                                                                          | 6/5/2020                       | Inst Computing Tech Cas                                     |                                                                                   | X-abstract     |
|                          | 613      | CN107742311B                                                                          | 2/18/2020                      | Beijing Yida Tuling Tech Co Ltd                             |                                                                                   | X-abstract     |
|                          | 614      | CN107885214A                                                                          | 4/6/2018                       | Jinan Inspir Hi Tech Invest & Dev Co Ltd                    |                                                                                   | X-abstract     |
|                          | 615      | CN108111873B                                                                          | 4/14/2020                      | Tainan Power Supply Co of State Grid Shandong Elec Power Co |                                                                                   | X-abstract     |
|                          | 616      | CN108122234A                                                                          | 6/5/2018                       | Beijing Sensetime Science Tech Ltd                          |                                                                                   | X-abstract     |
|                          | 617      | CN108229526B                                                                          | 9/29/2020                      | Beijing Sensetime Science Tech Ltd                          |                                                                                   | X-abstract     |
|                          | 618      | CN108491889A                                                                          | 9/4/2018                       | Shenzhen Echiev Autonomous Driving Tech Co Ltd              |                                                                                   | X-abstract     |
|                          | 619      | CN108549934B                                                                          | 6/19/2020                      | Fuzhou Rockchip Electronics Co                              |                                                                                   | X-abstract     |
|                          | 620      | CN108647591A                                                                          | 10/12/2018                     | Univ Changsha                                               |                                                                                   | X-abstract     |
|                          | 621      | CN108710865A                                                                          | 10/26/2018                     | Univ Electronic Sci & Tech China                            |                                                                                   | X-abstract     |
|                          | 622      | CN108764185A                                                                          | 11/6/2018                      | Boe Technology Group Co Ltd                                 |                                                                                   | X-abstract     |
|                          | 623      | CN108845574A                                                                          | 11/20/2018                     | Beijing Ares Robot Tech Co Ltd                              |                                                                                   | X-abstract     |
|                          | 624      | CN108898177A                                                                          | 11/27/2018                     | Guongdong Power Grid Co                                     |                                                                                   | X-abstract     |
|                          | 625      | CN109086867A                                                                          | 12/25/2018                     | Wuhan Meitong Tech Co Ltd.                                  |                                                                                   | X-abstract     |
|                          | 626      | CN109215067A                                                                          | 1/15/2019                      | Baidu USA LLC                                               |                                                                                   | X-abstract     |

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| Examiner Signature                                                                                                                                                                                                                                      | Date Considered |
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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 24 OF 33                                           | Attorney Docket No.  | TSLA.508CI        |

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|                          | 627      | CN109359731A                                                                          | 2/19/2019                      | JeeJio Beihing Tech Co Ltd                      |                                                                                   | X-abstract     |
|                          | 628      | CN109389207A                                                                          | 2/26/2019                      | Univ Shichuan Sci & Eng                         |                                                                                   | X-abstract     |
|                          | 629      | CN109389552A                                                                          | 2/26/2019                      | Univ Sun Yat Sen                                |                                                                                   | X-abstract     |
|                          | 630      | CN109579856A                                                                          | 4/5/2019                       | Baidu Online Network<br>Tech Beijing Co Ltd     |                                                                                   | X-abstract     |
|                          | 631      | CN109615073A                                                                          | 4/12/2019                      | Zhengzhou Yunhai<br>Information Tech Co Ltd     |                                                                                   | X-abstract     |
|                          | 632      | CN109791626A                                                                          | 5/21/2019                      | Univ Tsinghua                                   |                                                                                   | X-abstract     |
|                          | 633      | CN109901595A                                                                          | 6/18/2019                      | Univ Shandong                                   |                                                                                   | X-abstract     |
|                          | 634      | CN109902732A                                                                          | 6/18/2019                      | Harbin Inst Technolgy<br>Shenzhen               |                                                                                   | X-abstract     |
|                          | 635      | CN109934163A                                                                          | 6/25/2019                      | Univ Beihang                                    |                                                                                   | X-abstract     |
|                          | 636      | CN109948428A                                                                          | 6/28/2019                      | Univ Shanghai Science &<br>Tech                 |                                                                                   | X-abstract     |
|                          | 637      | CN109949257A                                                                          | 6/28/2019                      | Univ Xidian                                     |                                                                                   | X-abstract     |
|                          | 638      | CN109951710A                                                                          | 6/28/2019                      | Univ Civil Aviation China                       |                                                                                   | X-abstract     |
|                          | 639      | CN109975308A                                                                          | 7/5/2019                       | Ivicoo Xiamen<br>Information Tech Co Ltd        |                                                                                   | X-abstract     |
|                          | 640      | CN109978132A                                                                          | 7/5/2019                       | Shenzhen Inst of Adv<br>Tech                    |                                                                                   | X-abstract     |
|                          | 641      | CN109978161A                                                                          | 7/5/2019                       | Univ Jilin                                      |                                                                                   | X-abstract     |
|                          | 642      | CN110060202A                                                                          | 7/26/2019                      | Hubei Ecarx Tech Co Ltd                         |                                                                                   | X-abstract     |
|                          | 643      | CN110069071A                                                                          | 7/30/2019                      | Shenzhen Boshi Kongjian<br>Tech Co Ltd          |                                                                                   | X-abstract     |
|                          | 644      | CN110084086A                                                                          | 8/2/2019                       | Anjui Jianghuai<br>Automobile Group Corp<br>Ltd |                                                                                   | X-abstract     |
|                          | 645      | CN110096937A                                                                          | 8/2/2019                       | Navinfo Co Ltd                                  |                                                                                   | X-abstract     |
|                          | 646      | CN110111340A                                                                          | 8/9/2019                       | Univ Nankai                                     |                                                                                   | X-abstract     |
|                          | 647      | CN110135485A                                                                          | 8/16/2019                      | Univ Zhejiang                                   |                                                                                   | X-abstract     |
|                          | 648      | CN110197270B                                                                          | 9/3/2019                       | Shanghai Cambricon Inf<br>Tech Co Ltd           |                                                                                   | X-abstract     |

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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
| <b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 25 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

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| Examiner Initials        | Cite No. | Foreign Patent Document<br>Country Code-Number-Kind<br>Code<br>Example: JP 1234567 A1 | Publication Date<br>MM-DD-YYYY | Name                                                    | Pages, Columns, Lines<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | T <sup>1</sup> |
|                          | 649      | CN110225341B                                                                          | 8/28/2020                      | Univ Science & Technology China                         |                                                                                   | X-abstract     |
|                          | 650      | CN110310264A                                                                          | 10/8/2019                      | Univ Beijing Posts & Telecom                            |                                                                                   | X-abstract     |
|                          | 651      | CN110321965A                                                                          | 10/11/2019                     | Tencent Tech Shenzhen Co Ltd                            |                                                                                   | X-abstract     |
|                          | 652      | CN110334801A                                                                          | 10/15/2019                     | Suzhou Inspur Intelligent Tech Co Ltd                   |                                                                                   | X-abstract     |
|                          | 653      | CN110399875A                                                                          | 11/1/2019                      | Shandong Insupr Artificial Intelligence Res Inst Co Ltd |                                                                                   | X-abstract     |
|                          | 654      | CN110414362A                                                                          | 11/5/2019                      | Anhui Jiyuan Software Co Ltd                            |                                                                                   | X-abstract     |
|                          | 655      | CN110426051A                                                                          | 11/8/2019                      | Wuhan Zhonghaoting Data Tech Co Ltd                     |                                                                                   | X-abstract     |
|                          | 656      | CN110473173A                                                                          | 11/19/2019                     | Seizet Tech Shenzhen Co Ltd                             |                                                                                   | X-abstract     |
|                          | 657      | CN110516665A                                                                          | 11/29/2019                     | Shanghai Eye Control Tech Co Ltd                        |                                                                                   | X-abstract     |
|                          | 658      | CN110543837A                                                                          | 12/6/2019                      | Univ Beihang                                            |                                                                                   | X-abstract     |
|                          | 659      | CN110569899A                                                                          | 12/13/2019                     | Jialing River Tingzikou Water Resources                 |                                                                                   | X-abstract     |
|                          | 660      | CN110599537A                                                                          | 12/20/2010                     | Univ China Geosciencw Wuhan                             |                                                                                   | X-abstract     |
|                          | 661      | CN110599864A                                                                          | 12/20/2019                     | Suzhou Zhixing Zhongwei Intelligent Tech Co Ltd         |                                                                                   | X-abstract     |
|                          | 662      | CN110619282A                                                                          | 12/27/2019                     | Hainan Trunyun Space Information Tech Co Ltd            |                                                                                   | X-abstract     |
|                          | 663      | CN110619283A                                                                          | 12/27/2019                     | Hainan Trunyun Space Information Tech Co Ltd            |                                                                                   | X-abstract     |
|                          | 664      | CN110619330A                                                                          | 12/27/2019                     | Shanghai Eye Control Tech Co Ltd                        |                                                                                   | X-abstract     |
|                          | 665      | CN110659628A                                                                          | 1/7/2020                       | Shandong Insupr Artificial Intelligence Res Inst Co Ltd |                                                                                   | X-abstract     |

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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 26 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

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| Examiner Initials        | Cite No. | Foreign Patent Document<br>Country Code-Number-Kind<br>Code<br>Example: JP 1234567 A1 | Publication Date<br>MM-DD-YYYY | Name                                    | Pages, Columns, Lines<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | T <sup>1</sup> |
|                          | 666      | CN110688992A                                                                          | 1/14/2020                      | Allride AI Tech Co Ltd                  |                                                                                   | X-abstract     |
|                          | 667      | CN110751280A                                                                          | 2/4/2020                       | Univ Huazhong Science Tech              |                                                                                   | X-abstract     |
|                          | 668      | CN110826566A                                                                          | 2/21/2020                      | Beijing Inst Environmental Features     |                                                                                   | X-abstract     |
|                          | 669      | CN110956185A                                                                          | 4/3/2020                       | Dut Artificial Intelligence Inst Dalian |                                                                                   | X-abstract     |
|                          | 670      | CN110966991A                                                                          | 4/7/2020                       | Nat Univ Defense Technology             |                                                                                   | X-abstract     |
|                          | 671      | CN111027549A                                                                          | 4/17/2020                      | Beijing Inst Fashion Tech               |                                                                                   | X-abstract     |
|                          | 672      | CN111027575A                                                                          | 4/17/2020                      | Univ Guangxi Normal                     |                                                                                   | X-abstract     |
|                          | 673      | CN111047225A                                                                          | 4/21/2020                      | DBG Tech Co Ltd                         |                                                                                   | X-abstract     |
|                          | 674      | CN111062973B                                                                          | 1/1/2021                       | Univ Xidian                             |                                                                                   | X-abstract     |
|                          | 675      | CN111126453A                                                                          | 5/8/2020                       | Univ Chongqing Posts & Telecom          |                                                                                   | X-abstract     |
|                          | 676      | CN111158355A                                                                          | 5/15/2020                      | Fuhuake Prec Industry (Shenzhen) Co Ltd |                                                                                   | X-abstract     |
|                          | 677      | CN111275080B                                                                          | 1/8/2021                       | Tencent Tech Shenzhen Co Ltd            |                                                                                   | X-abstract     |
|                          | 678      | CN111275129A                                                                          | 6/12/2020                      | Ping An Tech Shenzhen Co Ltd            |                                                                                   | X-abstract     |
|                          | 679      | CN111275618A                                                                          | 6/12/2020                      | Univ Hangzhou Dianzi                    |                                                                                   | X-abstract     |
|                          | 680      | CN111307162B                                                                          | 8/25/2020                      | Aoteku Intelligent Tech Nanjing Co      |                                                                                   | X-abstract     |
|                          | 681      | CN111326023A                                                                          | 6/23/2020                      | SF Tech Co Ltd                          |                                                                                   | X-abstract     |
|                          | 682      | CN111428943A                                                                          | 7/17/2020                      | Fretech Intelligent Systems Co Ltd      |                                                                                   | X-abstract     |
|                          | 683      | CN111444821A                                                                          | 7/24/2020                      | Univ Northwestern Polytechnical         |                                                                                   | X-abstract     |
|                          | 684      | CN111445420A                                                                          | 7/24/2020                      | Beijing AIChip Tech Co Ltd              |                                                                                   | X-abstract     |
|                          | 685      | CN111461052A                                                                          | 7/28/2020                      | Univ Anhui                              |                                                                                   | X-abstract     |
|                          | 686      | CN111461053A                                                                          | 7/28/2020                      | Univ Anhui                              |                                                                                   | X-abstract     |

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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 27 OF 33                                           | Attorney Docket No.  | TSLA.508CI        |

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| Examiner Initials        | Cite No. | Foreign Patent Document<br>Country Code-Number-Kind<br>Code<br>Example: JP 1234567 A1 | Publication Date<br>MM-DD-YYYY | Name                                        | Pages, Columns, Lines<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | T <sup>1</sup> |
|                          | 687      | CN111461110A                                                                          | 7/28/2020                      | Univ South China Tech                       |                                                                                   | X-abstract     |
|                          | 688      | CN111488770A                                                                          | 8/4/2020                       | Momenta Suzhou Tech Co Ltd                  |                                                                                   | X-abstract     |
|                          | 689      | CN111539514A                                                                          | 8/14/2020                      | Beijing Baidu Netcom Sci & Tec              |                                                                                   | X-abstract     |
|                          | 690      | CN111565318A                                                                          | 8/21/2020                      | Chongqing Inst Green & Intelligent Tech Cas |                                                                                   | X-abstract     |
|                          | 691      | CN111582216A                                                                          | 8/25/2020                      | Univ Anhui Normal                           |                                                                                   | X-abstract     |
|                          | 692      | CN111598095A                                                                          | 8/28/2020                      | Univ Zhejiang Technology                    |                                                                                   | X-abstract     |
|                          | 693      | CN111693972A                                                                          | 9/22/2020                      | Univ Southeast                              |                                                                                   | X-abstract     |
|                          | 694      | CN111767801A                                                                          | 10/13/2020                     | Univ China Geosciences Wuhan                |                                                                                   | X-abstract     |
|                          | 695      | CN111768002A                                                                          | 10/13/2020                     | Univ Nankai                                 |                                                                                   | X-abstract     |
|                          | 696      | CN111783545A                                                                          | 10/16/2020                     | Wuyang Coal Mine of Shyanxi Luan Env Energy |                                                                                   | X-abstract     |
|                          | 697      | CN111783971A                                                                          | 10/16/2020                     | Shanghai Starfive Tech Co Ltd               |                                                                                   | X-abstract     |
|                          | 698      | CN111797657A                                                                          | 10/20/2020                     | Oppo Guangdong Mobile Telecom Co Ltd        |                                                                                   | X-abstract     |
|                          | 699      | CN111814623A                                                                          | 10/23/2020                     | Univ Zhejiang Technology                    |                                                                                   | X-abstract     |
|                          | 700      | CN111814902A                                                                          | 10/23/2020                     | CSG Digital Power Grid Res Inst Co Ltd      |                                                                                   | X-abstract     |
|                          | 701      | CN111860499A                                                                          | 10/30/2020                     | Univ Electronic Sci & Tech China            |                                                                                   | X-abstract     |
|                          | 702      | CN111881856A                                                                          | 11/3/2020                      | Alipay Hangzhou Tech Co Ltd                 |                                                                                   | X-abstract     |
|                          | 703      | CN111882579A                                                                          | 11/3/2020                      | Aimiplus Co Ltd                             |                                                                                   | X-abstract     |
|                          | 704      | CN111897639A                                                                          | 11/6/2020                      | Ping An Tech Shenzhen Co Ltd                |                                                                                   | X-abstract     |
|                          | 705      | CN111898507A                                                                          | 11/6/2020                      | Univ Wuhan                                  |                                                                                   | X-abstract     |

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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 17/644748         |
|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 28 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

| FOREIGN PATENT DOCUMENTS |          |                                                                                       |                                |                                                                        |                                                                                   |                |
|--------------------------|----------|---------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|
| Examiner Initials        | Cite No. | Foreign Patent Document<br>Country Code-Number-Kind<br>Code<br>Example: JP 1234567 A1 | Publication Date<br>MM-DD-YYYY | Name                                                                   | Pages, Columns, Lines<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | T <sup>1</sup> |
|                          | 706      | CN111898523A                                                                          | 11/6/2020                      | Univ Electronic Sci & Tech China                                       |                                                                                   | X-abstract     |
|                          | 707      | CN111899227A                                                                          | 11/6/2020                      | Univ Beijing Jiaotong                                                  |                                                                                   | X-abstract     |
|                          | 708      | CN111899245B                                                                          | 3/9/2021                       | Beijing Infervision Tech Co Ltd                                        |                                                                                   | X-abstract     |
|                          | 709      | CN112101175A                                                                          | 12/18/2020                     | Shenyang Dixin Artificial Intelligence Industrial Res Institute Co Ltd |                                                                                   | X-abstract     |
|                          | 710      | CN112101562A                                                                          | 12/18/2020                     | 4Paradigm Beijing Tech Co Ltd                                          |                                                                                   | X-abstract     |
|                          | 711      | CN112115953A                                                                          | 12/22/2020                     | Univ Nanjing Tech                                                      |                                                                                   | X-abstract     |
|                          | 712      | CN112183739A                                                                          | 1/5/2021                       | Univ Science & Technology China                                        |                                                                                   | X-abstract     |
|                          | 713      | CN112232497A                                                                          | 1/15/2021                      | Suzhou Inspur Intelligent Tech Co Ltd                                  |                                                                                   | X-abstract     |
|                          | 714      | CN112288658A                                                                          | 1/29/2021                      | Univ Hangzhou Normal                                                   |                                                                                   | X-abstract     |
|                          | 715      | CN112308095A                                                                          | 2/2/2021                       | SF Tech Co Ltd                                                         |                                                                                   | X-abstract     |
|                          | 716      | CN112308799A                                                                          | 2/2/2021                       | Univ Shandong Jiaotong                                                 |                                                                                   | X-abstract     |
|                          | 717      | CN112313663A                                                                          | 2/2/2021                       | Zoox Inc                                                               |                                                                                   | X-abstract     |
|                          | 718      | CN112329552A                                                                          | 2/5/2021                       | Always Automotive Shanghai Co Ltd                                      |                                                                                   | X-abstract     |
|                          | 719      | CN112348783A                                                                          | 2/9/2021                       | Jijiantong Sanya International Tech Co Ltd                             |                                                                                   | X-abstract     |
|                          | 720      | DE102017116017A1                                                                      | 1/27/2019                      | Valeo Schalter & Sensoren GmbH                                         |                                                                                   | X-abstract     |
|                          | 721      | DE102018130821A1                                                                      | 6/4/2020                       | Valeo Schalter & Sensoren GmbH                                         |                                                                                   | X-abstract     |
|                          | 722      | DE102019008316A1                                                                      | 8/13/2020                      | Daimler AG                                                             |                                                                                   | X-abstract     |
|                          | 723      | DE202017102235U1                                                                      | 5/12/2017                      | Bosch GmbH Robert                                                      |                                                                                   | X-abstract     |
|                          | 724      | DE202017102238U1                                                                      | 5/12/2017                      | Bosch GmbH Robert                                                      |                                                                                   | X-abstract     |
|                          | 725      | EP1215626B1                                                                           | 9/3/2008                       | Eastman Kodak Company                                                  |                                                                                   |                |
|                          | 726      | EP2228666B1                                                                           | 9/26/2012                      | Honeywell International Inc.                                           |                                                                                   |                |

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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 29 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

| FOREIGN PATENT DOCUMENTS |          |                                                                                       |                                |                                    |                                                                                   |                |
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| Examiner Initials        | Cite No. | Foreign Patent Document<br>Country Code-Number-Kind<br>Code<br>Example: JP 1234567 A1 | Publication Date<br>MM-DD-YYYY | Name                               | Pages, Columns, Lines<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | T <sup>1</sup> |
|                          | 727      | EP2396750B1                                                                           | 6/17/2020                      | Alibaba Group Holding Limited      |                                                                                   |                |
|                          | 728      | EP2420408B1                                                                           | 5/8/2013                       | Gentex Corporation                 |                                                                                   |                |
|                          | 729      | EP2618559B1                                                                           | 8/23/2017                      | Nokia Technologies Oy              |                                                                                   |                |
|                          | 730      | EP2723069A1                                                                           | 4/23/2014                      | Aisin Seiki KK                     |                                                                                   |                |
|                          | 731      | EP2741253A1                                                                           | 6/11/2014                      | Megachips Corporation              |                                                                                   |                |
|                          | 732      | EP2863633B1                                                                           | 2/20/2019                      | Denso Corporation                  |                                                                                   |                |
|                          | 733      | EP3113080B1                                                                           | 5/1/2019                       | Ricoh Company Ltd.                 |                                                                                   |                |
|                          | 734      | EP3115772A1                                                                           | 1/11/2017                      | Tsinghua University                |                                                                                   |                |
|                          | 735      | EP3285485A1                                                                           | 2/21/2018                      | Samsung Electronics Co. Ltd.       |                                                                                   |                |
|                          | 736      | EP3501897B1                                                                           | 12/30/2020                     | MEKRA Lang GmbH & Co. KG           |                                                                                   | X-abstract     |
|                          | 737      | EP3525132A1                                                                           | 8/14/2019                      | KPIT Technologies Ltd.             |                                                                                   |                |
|                          | 738      | EP3531689A1                                                                           | 8/28/2019                      | Huawei Technologies Co Ltd         |                                                                                   |                |
|                          | 739      | EP3537340A1                                                                           | 9/11/2019                      | Ricoh Company Ltd.                 |                                                                                   |                |
|                          | 740      | EP3543917A1                                                                           | 9/25/2019                      | SRI International Inc.             |                                                                                   |                |
|                          | 741      | EP3608840A1                                                                           | 2/12/2020                      | Accenture Global Solutions Limited |                                                                                   |                |
|                          | 742      | EP3657387A1                                                                           | 5/27/2020                      | Samsung Electronics Co. Ltd.       |                                                                                   |                |
|                          | 743      | EP3664020A1                                                                           | 6/10/2020                      | Equos Research Co. Ltd.            |                                                                                   |                |
|                          | 744      | EP3690712A1                                                                           | 8/5/2020                       | StradVision Inc.                   |                                                                                   |                |
|                          | 745      | EP3690730A2                                                                           | 11/4/2020                      | StradVision Inc.                   |                                                                                   |                |
|                          | 746      | EP3690742A1                                                                           | 8/5/2020                       | StradVision Inc.                   |                                                                                   |                |
|                          | 747      | EP3722992A1                                                                           | 10/14/2020                     | Teraki GmbH                        |                                                                                   |                |
|                          | 748      | EP3739486A1                                                                           | 11/18/2020                     | CrowdStrike Inc.                   |                                                                                   |                |
|                          | 749      | EP3751455A2                                                                           | 12/16/2020                     | TuSimple Inc.                      |                                                                                   |                |
|                          | 750      | EP3783527A1                                                                           | 2/24/2021                      | Tencent Tech Shenzhen Co Ltd       |                                                                                   |                |

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| Examiner Signature                                                                                                                                                                                                                               | Date Considered |
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|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 30 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

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|                          | 751      | GB2402572B                                                                            | 8/3/2005                       | Lear Corp                                |                                                                                   |                |
|                          | 752      | GB2517270B                                                                            | 6/3/2020                       | Holition Ltd                             |                                                                                   |                |
|                          | 753      | GB2548087A                                                                            | 9/13/2017                      | Holition Ltd                             |                                                                                   |                |
|                          | 754      | GB2577485A                                                                            | 4/1/2020                       | Jaguar Land Rover Limited                |                                                                                   |                |
|                          | 755      | JP2015004922A                                                                         | 1/8/2015                       | Nikon Corp                               |                                                                                   | X-abstract     |
|                          | 756      | JP2019101535A                                                                         | 6/24/2019                      | Konica Minolta Inc                       |                                                                                   | X-abstract     |
|                          | 757      | JP2020101927A                                                                         | 7/2/2020                       | Casio Computer Co Ltd                    |                                                                                   | X-abstract     |
|                          | 758      | JP2020173744A                                                                         | 10/22/2020                     | Hitachi Ltd                              |                                                                                   | X-abstract     |
|                          | 759      | JP2578262Y2                                                                           | 8/6/1998                       | Elna Co Ltd                              |                                                                                   |                |
|                          | 760      | JP3941252B2                                                                           | 7/4/2007                       | Mazda Motor                              |                                                                                   | X-abstract     |
|                          | 761      | JP4282583B2                                                                           | 6/24/2009                      | Sharp Corp                               |                                                                                   | X-abstract     |
|                          | 762      | JP4300098B2                                                                           | 7/22/2009                      | Nippon Telegraph & Telephone             |                                                                                   | X-abstract     |
|                          | 763      | JP5863536B2                                                                           | 2/16/2016                      | Fuji Heavy Ind Ltd                       |                                                                                   | X-abstract     |
|                          | 764      | JP6044134B2                                                                           | 12/14/2016                     | Casio Computer Co Ltd                    |                                                                                   | X-abstract     |
|                          | 765      | JP6525707B2                                                                           | 6/5/2019                       | Canon KK                                 |                                                                                   | X-abstract     |
|                          | 766      | KR100326702B1                                                                         | 2/19/2002                      | Hyundai Motor Company                    |                                                                                   | X-abstract     |
|                          | 767      | KR101082878B1                                                                         | 11/11/2011                     | Industry-Academic Cooperation Foundation |                                                                                   | X-abstract     |
|                          | 768      | KR101738422B1                                                                         | 5/23/2017                      | Korean Advanced Inst Sci & Tech          |                                                                                   | X-abstract     |
|                          | 769      | KR101969864B1                                                                         | 4/18/2019                      | Univ Dongguk Ind Acad Coop               |                                                                                   | X-abstract     |
|                          | 770      | KR101996167B1                                                                         | 7/3/2019                       | Univ Dongguk Ind Acad Coop               |                                                                                   | X-abstract     |
|                          | 771      | KR1020200085490A                                                                      | 7/15/2020                      | SK Planet Co Ltd                         |                                                                                   | X-abstract     |
|                          | 772      | KR1020200142266A                                                                      | 12/22/2020                     | Returnable Inc                           |                                                                                   | X-abstract     |
|                          | 773      | KR102022388B1                                                                         | 8/10/2019                      | Cammsys Corp                             |                                                                                   | X-abstract     |
|                          | 774      | KR102043143B1                                                                         | 11/11/2019                     | Univ Hoseo Acad Coop Found               |                                                                                   | X-abstract     |

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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 31 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

| FOREIGN PATENT DOCUMENTS |          |                                                                                       |                                |                                                              |                                                                                   |                |
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| Examiner Initials        | Cite No. | Foreign Patent Document<br>Country Code-Number-Kind<br>Code<br>Example: JP 1234567 A1 | Publication Date<br>MM-DD-YYYY | Name                                                         | Pages, Columns, Lines<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | T <sup>1</sup> |
|                          | 775      | KR102095335B1                                                                         | 3/31/2020                      | SK Telecom Co Ltd                                            |                                                                                   | X-abstract     |
|                          | 776      | KR102097120B1                                                                         | 4/9/2020                       | Agilesoda Inc                                                |                                                                                   | X-abstract     |
|                          | 777      | KR102189262B1                                                                         | 12/11/2020                     | Global Bridge Co Ltd                                         |                                                                                   | X-abstract     |
|                          | 778      | TW200630819A                                                                          | 9/1/2006                       | Northern Taiwan Inst of<br>Science and Technology            |                                                                                   | X-abstract     |
|                          | 779      | TWI294089B                                                                            | 3/1/2008                       | TSINT                                                        |                                                                                   | X-abstract     |
|                          | 780      | TWI306207B                                                                            | 2/11/2009                      | Northern Taiwan Inst of<br>Science and Technology            |                                                                                   | X-abstract     |
|                          | 781      | WO 02/052835                                                                          | 7/4/2002                       | Hewlett_Packard Co                                           |                                                                                   |                |
|                          | 782      | WO 16/032398                                                                          | 3/3/2016                       | Singapore University of<br>Technology and Design             |                                                                                   |                |
|                          | 783      | WO 16/048108                                                                          | 3/31/2016                      | Samsung Electronics Co.<br>Ltd.                              |                                                                                   |                |
|                          | 784      | WO 16/207875                                                                          | 12/29/2016                     | Photomyne Ltd.                                               |                                                                                   |                |
|                          | 785      | WO 17/158622                                                                          | 9/21/2017                      | Indian Institute Of<br>Technology Madras                     |                                                                                   |                |
|                          | 786      | WO 19/005547                                                                          | 1/3/2019                       | Panasonic Intellectual<br>Property Corporation Of<br>America |                                                                                   |                |
|                          | 787      | WO 19/067695                                                                          | 4/4/2019                       | Airspace Systems Inc.                                        |                                                                                   |                |
|                          | 788      | WO 19/089339                                                                          | 5/9/2019                       | The Trustees Of<br>Princeton University                      |                                                                                   |                |
|                          | 789      | WO 19/092456                                                                          | 5/16/2019                      | Cambridge Bio-<br>Augmentation Systems<br>Limited            |                                                                                   |                |
|                          | 790      | WO 19/099622                                                                          | 5/23/2019                      | Uber Technologies Inc.                                       |                                                                                   |                |
|                          | 791      | WO 19/122952                                                                          | 6/27/2019                      | Plusai Corp                                                  |                                                                                   |                |
|                          | 792      | WO 19/125191                                                                          | 6/27/2019                      | Motorola Solutions Inc,                                      |                                                                                   |                |
|                          | 793      | WO 19/126755                                                                          | 6/27/2019                      | Fugro NV                                                     |                                                                                   |                |
|                          | 794      | WO 19/144575                                                                          | 8/1/2019                       | Sun Yat-Sen University                                       |                                                                                   |                |
|                          | 795      | WO 19/182782                                                                          | 9/26/2019                      | Zoox Inc.                                                    |                                                                                   |                |
|                          | 796      | WO 19/191578                                                                          | 10/3/2019                      | Wave Computing Inc.                                          |                                                                                   |                |

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|                                                          | Filing Date          | December 16, 2021 |
|                                                          | First Named Inventor | Uvarov, Timofey   |
|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 32 OF 33                                           | Attorney Docket No.  | TSLA.508CI        |

| FOREIGN PATENT DOCUMENTS |          |                                                                                       |                                |                                                                            |                                                                                   |                |
|--------------------------|----------|---------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|
| Examiner Initials        | Cite No. | Foreign Patent Document<br>Country Code-Number-Kind<br>Code<br>Example: JP 1234567 A1 | Publication Date<br>MM-DD-YYYY | Name                                                                       | Pages, Columns, Lines<br>Where Relevant Passages<br>or Relevant Figures<br>Appear | T <sup>1</sup> |
|                          | 797      | WO 19/216938                                                                          | 11/14/2019                     | Google LLC                                                                 |                                                                                   |                |
|                          | 798      | WO 19/220436                                                                          | 11/21/2019                     | Brainvu Ltd                                                                |                                                                                   |                |
|                          | 799      | WO 20/006154                                                                          | 1/2/2020                       | Katz                                                                       |                                                                                   |                |
|                          | 800      | WO 20/012756                                                                          | 1/16/2020                      | Maxell Ltd.                                                                |                                                                                   | X-abstract     |
|                          | 801      | WO 20/025696                                                                          | 2/6/2020                       | Deutsches<br>Krebsforschungszentrum<br>Stiftung Des Öffentlichen<br>Rechts |                                                                                   |                |
|                          | 802      | WO 20/034663                                                                          | 2/20/2020                      | The Hong Kong<br>Polytechnic University                                    |                                                                                   |                |
|                          | 803      | WO 20/056157                                                                          | 3/19/2020                      | Electra Vehicles Inc.                                                      |                                                                                   |                |
|                          | 804      | WO 20/076356                                                                          | 4/16/2020                      | Google LLC                                                                 |                                                                                   |                |
|                          | 805      | WO 20/097221                                                                          | 5/14/2020                      | Simoudis Evangelos                                                         |                                                                                   |                |
|                          | 806      | WO 20/101246                                                                          | 5/22/2020                      | Samsung Electronics Co.<br>Ltd.                                            |                                                                                   |                |
|                          | 807      | WO 20/120050                                                                          | 6/18/2020                      | ASMI Netherlands BV                                                        |                                                                                   |                |
|                          | 808      | WO 20/121973                                                                          | 6/18/2020                      | Koito Manufacturing Co.<br>Ltd.                                            |                                                                                   |                |
|                          | 809      | WO 20/131140                                                                          | 6/25/2020                      | Google LLC                                                                 |                                                                                   |                |
|                          | 810      | WO 20/139181                                                                          | 7/2/2020                       | Telefonaktiebolaget Lm<br>Ericsson                                         |                                                                                   |                |
|                          | 811      | WO 20/139355                                                                          | 7/2/2020                       | Didi Research America<br>LLC                                               |                                                                                   |                |
|                          | 812      | WO 20/139357                                                                          | 7/2/2020                       | Didi Research America<br>LLC                                               |                                                                                   |                |
|                          | 813      | WO 20/142193                                                                          | 7/9/2020                       | Microsoft Technology<br>Licensing Llc                                      |                                                                                   |                |
|                          | 814      | WO 20/146445                                                                          | 7/16/2020                      | Du Toit                                                                    |                                                                                   |                |
|                          | 815      | WO 20/151329                                                                          | 7/30/2020                      | Ping An Technology<br>(Shenzhen) Co. Ltd                                   |                                                                                   |                |
|                          | 816      | WO 20/157761                                                                          | 8/6/2020                       | Buxboim                                                                    |                                                                                   |                |
|                          | 817      | WO 20/163455                                                                          | 8/13/2020                      | Urugus                                                                     |                                                                                   |                |

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|                                                          | Art Unit             | 3665              |
| (Multiple sheets used when necessary)                    | Examiner             | Not yet assigned  |
| SHEET 33 OF 33                                           | Attorney Docket No.  | TSLA.508C1        |

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|                          | 818      | WO 20/167667                                                                          | 8/20/2020                      | Flagship Pioneering<br>Innovations VI LLC      |                                                                                   |                |
|                          | 819      | WO 20/174262                                                                          | 9/3/2020                       | Telefonaktiebolaget Lm<br>Ericsson (Publ)      |                                                                                   |                |
|                          | 820      | WO 20/177583                                                                          | 9/10/2020                      | Huawei Technologies Co.<br>Ltd.                |                                                                                   | X-abstract     |
|                          | 821      | WO 20/185233                                                                          | 9/17/2020                      | Hewlett-Packard<br>Development Company<br>L.P. |                                                                                   |                |
|                          | 822      | WO 20/185234                                                                          | 9/17/2020                      | Hewlett-Packard<br>Development Company<br>L.P. |                                                                                   |                |
|                          | 823      | WO 20/195658                                                                          | 10/1/2020                      | Sony Semiconductor<br>Solutions Corporation    |                                                                                   |                |
|                          | 824      | WO 20/198189                                                                          | 10/1/2020                      | Zoox Inc.                                      |                                                                                   |                |
|                          | 825      | WO 20/198779                                                                          | 10/8/2020                      | Presagen Pty Ltd                               |                                                                                   |                |
|                          | 826      | WO 20/205597                                                                          | 10/8/2020                      | Intel Corporation                              |                                                                                   |                |
|                          | 827      | WO 20/221200                                                                          | 11/5/2020                      | Huawei Technologies Co.<br>Ltd.                |                                                                                   | X-abstract     |
|                          | 828      | WO 20/240284                                                                          | 12/3/2020                      | Mobileye Vision<br>Technologies Ltd.           |                                                                                   |                |
|                          | 829      | WO 20/260020                                                                          | 12/30/2020                     | Robert Bosch GmbH                              |                                                                                   |                |
|                          | 830      | WO 20/264010                                                                          | 12/30/2020                     | Zoox Inc.                                      |                                                                                   |                |

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T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached to the Perceptive Exhibit 2002 IPR2025-01573