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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 15/920165 |
| | Filing Date | March 13, 2018 |
| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 4 OF 33 | Attorney Docket No. | TSLA.507A |

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|-----------------------|----------|---|--------------------------------|-------------------|--|
| Examiner Initials | Cite No. | Document Number Number - Kind Code (if known) Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
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| | 89 | 10,568,570 | 2/25/2020 | Sherpa et al. | |
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| SHEET 6 OF 33 | Attorney Docket No. | TSLA.507A |

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| | 174 | 10,790,919 | 9/29/2020 | Kolen et al. | |

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| SHEET 7 OF 33 | Attorney Docket No. | TSLA.507A |

| U.S. PATENT DOCUMENTS | | | | | |
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| Examiner Initials | Cite No. | Document Number Number - Kind Code (if known) Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
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| | 203 | 10,845,820 | 11/24/2020 | Wheeler | |

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| | 205 | 10,846,831 | 11/24/2020 | Raduta | |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 15/920165 |
| | Filing Date | March 13, 2018 |
| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 12 OF 33 | Attorney Docket No. | TSLA.507A |

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| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | 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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| Examiner Signature | Date Considered |
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| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 13 OF 33 | Attorney Docket No. | TSLA.507A |

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| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
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| | 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. | |
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| | 362 | 2019-0382007 | 12/19/2019 | Casas et al. | |
| | 363 | 2019-0384303 | 12/19/2019 | Muller et al. | |
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| | 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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| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 14 OF 33 | Attorney Docket No. | TSLA.507A |

| U.S. PATENT DOCUMENTS | | | | | |
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| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or 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. | |
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| | 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 | Celia et al. | |
| | 398 | 2020-0104705 | 4/2/2020 | Bhowmick et al. | |
| | 399 | 2020-0110416 | 4/9/2020 | Hong et al. | |
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| | 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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| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 15 OF 33 | Attorney Docket No. | TSLA.507A |

| U.S. PATENT DOCUMENTS | | | | | |
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| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
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| | 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 | EI-Khamy et al. | |
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| | 415 | 2020-0149898 | 5/14/2020 | Felip et al. | |
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| | 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. | |
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| | 429 | 2020-0160598 | 5/21/2020 | Manivasagam et al. | |
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| | 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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| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 16 OF 33 | Attorney Docket No. | TSLA.507A |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|--------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
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| | 437 | 2020-0175401 | 6/4/2020 | Shen | |
| | 438 | 2020-0183482 | 6/11/2020 | Sebot et al. | |
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| | 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 | GUESTRIN 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. | |
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| | 449 | 2020-0210717 | 7/2/2020 | Hou et al. | |
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| | 460 | 2020-0242381 | 7/30/2020 | CHAO et al. | |
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| | 463 | 2020-0245869 | 8/6/2020 | Sivan et al. | |
| | 464 | 2020-0249685 | 8/6/2020 | Elluswamy et al. | |

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| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
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| SHEET 17 OF 33 | Attorney Docket No. | TSLA.507A |

| U.S. PATENT DOCUMENTS | | | | | |
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| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
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| | 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. | |
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| | 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 | |
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| | 479 | 2020-0285464 | 9/10/2020 | Brebner | |
| | 480 | 2020-0286256 | 9/10/2020 | Houts et al. | |
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| | 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. | |
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| | 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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| SHEET 18 OF 33 | Attorney Docket No. | TSLA.507A |

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| | 494 | 2020-0302662 | 9/24/2020 | Homayounfar et al. | |
| | 495 | 2020-0304441 | 9/24/2020 | Bradley et al. | |
| | 496 | 2020-0306640 | 10/1/2020 | Kolen et al. | |
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| | 505 | 2020-0320132 | 10/8/2020 | Neumann, | |
| | 506 | 2020-0324073 | 10/15/2020 | Rajan et al. | |
| | 507 | 2020-0327192 | 10/15/2020 | Hackman et al. | |
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| | 512 | 2020-0331476 | 10/22/2020 | Chen et al. | |
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| | 515 | 2020-0334501 | 10/22/2020 | LIN et al. | |
| | 516 | 2020-0334551 | 10/22/2020 | Javidi et al. | |
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| | 519 | 2020-0341466 | 10/29/2020 | Pham et al. | |
| | 520 | 2020-0342350 | 10/29/2020 | Madar et al. | |
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| | 522 | 2020-0342652 | 10/29/2020 | Rowell et al. | |

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| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 19 OF 33 | Attorney Docket No. | TSLA.507A |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|--|--------------------------------|-----------------------|--|
| Examiner Initials | Cite No. | Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
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| | 524 | 2020-0350063 | 11/5/2020 | Thornton et al. | |
| | 525 | 2020-0351438 | 11/5/2020 | DEWHURST et al. | |
| | 526 | 2020-0356107 | 11/12/2020 | Wells | |
| | 527 | 2020-0356790 | 11/12/2020 | Jaipuria et al. | |
| | 528 | 2020-0356864 | 11/12/2020 | Neumann | |
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| | 531 | 2020-0361485 | 11/19/2020 | ZHU et al. | |
| | 532 | 2020-0364481 | 11/19/2020 | KORNIENKO et al. | |
| | 533 | 2020-0364508 | 11/19/2020 | Gurel et al. | |
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| | 535 | 2020-0364746 | 11/19/2020 | Longano et al. | |
| | 536 | 2020-0364953 | 11/19/2020 | Simoudis, | |
| | 537 | 2020-0372362 | 11/26/2020 | KIM | |
| | 538 | 2020-0372402 | 11/26/2020 | Kursun et al. | |
| | 539 | 2020-0380362 | 12/3/2020 | CAO et al. | |
| | 540 | 2020-0380383 | 12/3/2020 | Kwong et al. | |
| | 541 | 2020-0393841 | 12/17/2020 | Frisbie et al. | |
| | 542 | 2020-0394421 | 12/17/2020 | YU et al. | |
| | 543 | 2020-0394457 | 12/17/2020 | Brady | |
| | 544 | 2020-0394495 | 12/17/2020 | MOUDGILL et al. | |
| | 545 | 2020-0394813 | 12/17/2020 | Theverapperuma et al. | |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 15/920165 |
| | Filing Date | March 13, 2018 |
| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 20 OF 33 | Attorney Docket No. | TSLA.507A |

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| | Filing Date | March 13, 2018 | |
| | First Named Inventor | Sarma, Debjit Das | |
| | Art Unit | 2183 | |
| <i>(Multiple sheets used when necessary)</i> | | Examiner | Alli, Kasim A. |
| SHEET 21 OF 33 | | Attorney Docket No. | TSLA.507A |

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| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 22 OF 33 | Attorney Docket No. | TSLA.507A |

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| | Filing Date | March 13, 2018 |
| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
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| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 24 OF 33 | Attorney Docket No. | TSLA.507A |

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| | First Named Inventor | Sarma, Debjit Das |
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| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 25 OF 33 | Attorney Docket No. | TSLA.507A |

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| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
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| | 701 | CN111860499A | 10/30/2020 | Univ Electronic Sci & Tech China | | X-abstract |
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| | 717 | CN112313663A | 2/2/2021 | Zoox Inc | | X-abstract |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Application No. | 15/920165 |
| | Filing Date | March 13, 2018 |
| | First Named Inventor | Sarma, Debjit Das |
| | Art Unit | 2183 |
| <i>(Multiple sheets used when necessary)</i> | Examiner | Alli, Kasim A. |
| SHEET 28 OF 33 | Attorney Docket No. | TSLA.507A |

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