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| ✓1,205,448        | 11-21-16    | E.A.Halbleib                   | Test Bench                                        | DR           | T 1          |
| ✓1,208,961        | 12-19-16    | J.O.Heinze                     | Circuit Controlling Device                        | DR           | W 64         |
| ✓1,208,962        | 12-19-16    | J.O.Heinze                     | Starting & Lighting System                        | DR           | W 20         |
| ✓1,210,703        | 1-2-17      | C.F.Schneider                  | Commutator                                        | DR           | W 34         |
| ✓1,211,378        | 1-2-17      | C.F.Kettering &<br>W.A.Chryst  | System of Selective Electrical<br>Distribution    | DR           | W 16         |
| ✓1,213,509        | 1-23-17     | T.L.Lee                        | Fastening Device                                  | DR           | Q x<br>R 8   |
| ✓1,214,647        | 2-6-17      | C.C.Carpenter &<br>R.J.Ellis   | Battery-Cell (License)                            | DR           | W 72         |
| ✓1,216,386        | 2-20-17     | A.F.Williams &<br>E.A.Halbleib | Electric Switch                                   | DR           | W 63         |
| ✓1,218,568        | 3-6-17      | W.O.Kennington                 | Articles Composed Partly of<br>Rubber of the Like | DR           | W 54         |
| ✓1,218,596        | 3-6-17      | O.F.Conklin                    | Articles Composed Partly of<br>Rubber or the Like | DR           | W 54         |
| ✓1,219,008        | 3-13-17     | W.O.Kennington                 | Systems for Supplying Elec-<br>tricity            | DR           | W 14         |

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| ✓ 1,220,101       | 3-20-17     | E.A.Halbleib &<br>F.F.Dorsey   | Electric Starting & Gener-<br>ator Apparatus               | DR           | W 66         |
| ✓ 1,223,180       | 4-17-17     | C.F.Kettering                  | Ignition System                                            | DR           | W 17         |
| ✓ 1,223,947       | 4-24-17     | C.A.Ferrell                    | Induction Coil (License)                                   | DR           | W 51         |
| ✓ 1,224,518       | 5-1-17      | V.G.Apple                      | Armature Construction for Elec-<br>tric Machines (License) | DR           | W 33.2       |
| ✓ 1,224,856       | 5-1-17      | W.A.Chryst                     | Electrical Connection                                      | DR           | W 35         |
| ✓ 1,225,820       | 5-15-17     | C.F.Kettering &<br>R.S.DeMaree | Electrical Switch                                          | DR           | W 62.1       |
| ✓ 1,226,751       | 5-22-17     | W.A.Chryst                     | Engine Starting System                                     | DR           | W 41         |
| ✓ 1,227,038       | 5-22-17     | W.A.Chryst                     | Resistance Unit for Electrical<br>Circuits                 | DR           | W 70         |
| ✓ 1,227,316       | 5-22-17     | B.P. & F.I.Remy                | Method of Generating Timing<br>Ignition Currents           | DR           | W 27         |
| ✓ 1,227,996       | 5-29-17     | W.A.Chryst                     | Ignition System                                            | DR           | W 76         |
| ✓ 1,228,226       | 5-29-17     | D.A.McConnell                  | Diaphragm Horn                                             | DR           | P 8          |
| ✓ 1,229,754       | 6-12-17     | C.F.Kettering &<br>W.A.Chryst  | Electric Machine                                           | DR           | W 41         |

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| ✓ 1,230,172       | 6-19-17     | J.H. Keifer     | Automatic Circuit Controller Device      | DR           | W 66         |
| ✓ 1,231,264       | 6-26-17     | C.F. Kettering  | Ignition Device                          | DR           | W 17         |
| ✓ 1,231,265       | 6-26-17     | C.F. Kettering  | Control for Electric Systems             | DR           | W 13         |
| ✓ 1,231,266       | 6-26-17     | C.F. Kettering  | Engine Starting Device                   | DR           | W 6          |
| ✓ 1,231,362       | 6-26-17     | J.H. Hunt       | Engine Starting System                   | DR           | W 41         |
| ✓ 1,231,363       | 6-26-17     | J.H. Hunt       | Engine Starting System                   | DR           | W 42         |
| ✓ 1,231,732       | 7-3-17      | E.A. Halbleib   | Electric Switch                          | DR           | W 62.1       |
| ✓ 1,231,753       | 7-3-17      | T.L. Lee        | Electric Starting & Generating Apparatus | DR           | W 6          |
| ✓ 1,232,444       | 7-3-17      | H.H. Welch      | Alarm Device                             | DR           | P 8          |
| ✓ 1,232,583       | 7-10-17     | D.A. McConnell  | Diaphragm Horn                           | DR           | P 10         |
| ✓ 1,232,603       | 7-10-17     | G.A. Proctor    | Mechanical Horn                          | DR           | P 10         |
| ✓ 1,233,369       | 7-17-17     | C.F. Kettering  | Ignition System                          | DR           | W 53         |
| ✓ 1,233,370       | 7-17-17     | C.F. Kettering  | Control for Electric Systems             | DR           | W 13         |
| ✓ 1,234,676       | 7-24-17     | L. Langner      | Engine Starting System                   | DR           | W 16         |

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| ✓ 1,236,803                | 8-14-17     | A.F.Williams                  | Engine Starting Mechanism                           | DR           | W 40           |
| ✓ 1,237,272                | 8-21-17     | M.Arendt                      | Electric Generator                                  | DR           | W 10<br>X w 11 |
| ✓ 1,237,648                | 8-21-17     | J.W.Jepson                    | Electric System                                     | DR           | W 6            |
| ✓ 1,238,666                | 8-28-17     | E.A.Halbleib                  | Electric Motor or Generator                         | DR           | W 20           |
| ✓ 1,238,667                | 8-28-17     | E.A.Halbleib &<br>T.L.Lee     | Electric Circuit Controller                         | DR           | W 66           |
| ✓ 1,238,959                | 9-4-17      | E.J.Tomlinson                 | Terminal Bending Tool for<br>Armatures (License)    | DR           | W 33.2         |
| ✓ 1,240,348                | 9-18-17     | C.F.Kettering                 | Engine Starting System                              | DR           | W 6            |
| ✓ 1,240,585                | 9-18-17     | T.L.Lee                       | Brush Mounting for Electric Mo-<br>tor or Generator | DR           | W 35           |
| ✓ 1,240,738<br>(abandoned) | 9-18-17     | E.P.Lee &<br>T.L.Lee          | Brush Mounting                                      | DR           | W 35           |
| ✓ 1,241,990                | 10-2-17     | C.F.Kettering &<br>W.A.Chryst | Engine Starting Device                              | DR           | W 45<br>x W 6  |
| ✓ 1,242,485                | 10-9-17     | L.H.Smith                     | Engine Starting Device                              | DR           | W 44           |
| ✓ 1,243,009                | 10-16-17    | J.E.Thomsen                   | Electrode & Process of Making<br>Same (License)     | DR           | W 35           |

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| ✓1,243,422        | 10-16-17    | C.F.Kettering &<br>W.A.Chryst | Engine Starting Apparatus                        | DR           | W 6          |
| ✓1,245,628        | 11-6-17     | C.H.Smith                     | Spring Terminal for Binding<br>Posts             | DR           | W 70         |
| ✓1,247,649        | 11-27-17    | A.E.Doman                     | Electric Starting & Lighting<br>System (License) | DR           | W 14         |
| ✓1,247,987        | 11-27-17    | J.F.Monnot                    | Mechanical Horn                                  | DR           | P 8          |
| ✓1,248,459        | 12-4-17     | F.Conrad                      | Ignition System (License)                        | DR           | W 50.1       |
| ✓1,249,481        | 12-11-17    | H.E.Phillips                  | Binding Post                                     | DR           | W 70         |
| ✓1,250,188        | 12-11-17    | C.F.Kettering &<br>W.A.Chryst | Engine Starting System                           | DR           | W 6          |
| ✓1,253,389        | 1-15-18     | C.F.Kettering &<br>W.A.Chryst | Ignition System                                  | DR           | W 53         |
| ✓1,254,811        | 1-29-18     | C.F.Kettering                 | Engine Starting, Lighting<br>& Ignition System   | DR           | W 15         |
| ✓1,255,177        | 2-5-18      | C.F.Kettering                 | Ignition System for Combustion<br>Engines        | DR           | W 57         |
| ✓1,256,746        | 2-19-18     | J.T.Trumble                   | Transmission Mechanism for<br>Starters           | DR           | W 44         |

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| ✓ 1,258,785       | 3-12-18     | C.F.Kettering &<br>W.A.Chryst | Engine Starting System                             | DR           | W 17         |
| ✓ 1,259,529       | 3-19-18     | L.Langner                     | Ignition System                                    | DR           | W 15         |
| ✓ 1,259,193       | 3-12-18     | J.M.Ahlgren                   | Storage Battery (License)                          | DR           | W 72         |
| ✓ 1,259,744       | 3-19-18     | J.H.Hunt                      | Engine Starting System                             | DR           | W 15         |
| ✓ 1,259,995       | 3-19-18     | C.F.Kettering &<br>W.A.Chryst | System of Selective Electrical<br>Distribution     | DR           | W 17         |
| ✓ 1,262,666       | 4-16-18     | J.O.Heinze                    | Starting Device for Internal<br>Combustion Engines | DR           | W 43         |
| ✓ 1,263,615       | 4-23-18     | Slager & Anderton             | Ignition & Lighting System for<br>Automobiles      | DR           | W 20         |
| ✓ 1,264,560       | 4-30-18     | A.L.Riker                     | Sparking Means for Motor Vehicles<br>(License)     | DR           | W 9          |
| ✓ 1,264,749       | 4-30-18     | V.G.Apple                     | Method of Building Armatures<br>(License)          | DR           | W 33.2       |
| ✓ 1,264,943       | 5-7-18      | C.F.Kettering &<br>W.A.Chryst | System of Selective Electrical<br>Distribution     | DR           | W 15         |
| ✓ 1,265,454       | 5-7-18      | C.F.Kettering &<br>W.A.Chryst | Ignition System                                    | DR           | W 53         |
| ✓ 1,265,918       | 5-14-18     | W.O.Kennington                | Circuit Breakers & Distributor<br>Units            | DR           | W 53         |
| ✓ 1,266,682       | 5-21-18     | J.O.Heinze                    | Starting & Lighting System                         | DR           | W 30         |
| ✓ 1,268,473       | 6-4-18      | W.O.Kennington                | Distributor Caps for Ignition<br>Apparatus         | DR           | W 54         |

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| ✓ 1,270,369       | 6-25-18     | C.F.Bishop                 | Art of Illustrating Phenomena                 | DR           | AP                      |
| ✓ 1,272,055       | 7-9-18      | C.F.Kettering & W.A.Chryst | Electrical System for Engines                 | DR           | W 17<br>x W 8<br>X W 57 |
| ✓ 1,272,056       | 7-9-18      | C.F.Kettering              | Ignition System                               | DR           | W 17<br>x W 57          |
| ✓ 1,273,378       | 7-23-18     | W.O.Kennington             | Means for Controlling Electric Circuits       | DR           | W 53                    |
| ✓ 1,273,870       | 7-30-18     | C.F.Kettering & W.A.Chryst | Engine Starting Device                        | DR           | W 45                    |
| ✓ 1,273,871       | 7-30-18     | C.F.Kettering & W.A.Chryst | Engine Starting System                        | DR           | W 30                    |
| ✓ 1,273,880       | 7-30-18     | L.Langner                  | Engine Starting Device                        | DR           | W 40                    |
| ✓ 1,274,411       | 8-6-18      | E.A.Halbleib & T.L.Lee     | Commutator & The Method of Manufacturing Same | DR           | W 34                    |
| ✓ 1,274,428       | 8-6-18      | T.L.Lee                    | Induction Coil                                | DR           | W 51                    |
| ✓ 1,274,433       | 8-6-18      | E.S.Mix                    | Power Transmission Mechanism                  | DR           | W 53                    |

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| ✓1,275,026        | 8-6-18      | Merzog & Medlock           | Centrifugal Governor (License)                                                     | DR           | W 57           |
| ✓1,275,195        | 8-13-18     | V.G.Apple                  | Armature Construction for Dynamo Electric Machines (License)                       | DR           | W 33.2         |
| ✓1,281,628        | 10-15-18    | E.S.Mix                    | Position Indicator                                                                 | DR           | AP             |
| ✓1,284,365        | 11-12-18    | C.F.Kettering & W.A.Chryst | Electric Machine                                                                   | DR           | W 30           |
| ✓1,284,552        | 11-12-18    | V.G.Apple                  | Armature Insulation (License)                                                      | DR           | W 33.2         |
| ✓1,284,707        | 11-12-18    | C.F.Kettering              | Electric Storage System                                                            | DR           | W 12           |
| ✓1,286,182        | 11-26-18    | B.M.Leece                  | Starting & Lighting Apparatus (License)                                            | DR           | W 6            |
| ✓1,286,803        | 12-3-18     | H.Schwarze                 | Hydrocarbon-Motor                                                                  | DR           | W 53<br>x W 17 |
| ✓1,287,304        | 12-10-18    | J.O.Heinze                 | Electric Starter & Generator                                                       | DR           | W 41           |
| ✓1,287,305        | 12-10-18    | J.O.Heinze                 | Transmission Mechanism for Motor Generator                                         | DR           | W 41           |
| ✓1,287,659        | 12-17-18    | R.H.Evans                  | Magneto Impulser                                                                   | DR           | W 28           |
| ✓1,287,988        | 12-17-18    | J.A.Heany                  | Electric Starting & Supply System for Automobiles (License)                        | DR           | W 6            |
| ✓1,287,989        | 12-17-18    | J.A.Heany                  | Dynamo-Electric Starting, Lighting, & Ignition Mechanism for Automobiles (License) | DR           | W 7            |
| ✓1,288,080        | 12-17-18    | D.A.McConnell              | Cam Operated Horn                                                                  | DR           | P 10           |

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| ✓1,288,736        | 12-24-18    | G.B.Stone                     | Engine Starting System                                     | DR           | W 58         |
| ✓1,288,836        | 12-24-18    | W.A.Chryst                    | Ignition Controller                                        | DR           | W 45         |
| ✓1,290,180        | 1-7-19      | E.A.Halbleib                  | Spacer                                                     | DR           | Q            |
| ✓1,293,467        | 2-4-19      | C.F.Kettering &<br>W.A.Chryst | Electrical Distribution                                    | DR           | W 17         |
| ✓1,293,468        | 2-4-19      | C.F.Kettering                 | Engine Starting Device                                     | DR           | W 15         |
| ✓1,293,919        | 2-11-19     | G.A.Proctor                   | Mechanical Horn                                            | DR           | P 10         |
| ✓1,299,201        | 4-1-19      | A.L.McMurty                   | Diaphragm Horn                                             | DR           | P 8          |
| ✓1,299,585        | 4-9-19      | E.P.Lee & T.L.Lee             | Ignition Coil                                              | DR           | W 51         |
| ✓1,301,053        | 4-15-19     | J.A.Heany                     | Ignition Device for Motor-<br>Vehicles (License)           | DR           | W 17         |
| ✓1,301,851        | 4-29-19     | C.F.Kettering                 | Ignition System                                            | DR           | W 57         |
| ✓1,301,985        | 4-29-19     | J.G.P.Thomas                  | Ignition of Internal Combustion<br>Engines                 | DR           | W 58         |
| ✓1,301,993        | 4-29-19     | C.M.Angell                    | Battery Vent                                               | DR           | W 72         |
| ✓1,303,831        | 5-13-19     | C.F.Kettering &<br>W.A.Chryst | Engine Starting System                                     | DR           | W 6          |
| ✓1,305,165        | 5-27-19     | W.H.Ratcliff                  | Circuit Breaker                                            | DR           | W 53         |
| ✓1,305,601        | 6-3-19      | J.A.Heany                     | Ignition Device for Motor Ve-<br>hicles (License)          | DR           | W 53         |
| ✓1,306,116        | 6-10-19     | W.B.Moses                     | Ignition Apparatus (License)                               | DR           | W 53         |
| ✓1,306,137        | 6-10-19     | W.A.Chryst                    | Engine Starting System                                     | DR           | W 42         |
| ✓1,306,679        | 6-7-19      | J.M.Ahlgren                   | Method of Forming Storage Bat-<br>tery Container (License) | DR           | W 72         |

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| ✓ 1,306,695       | 6-17-19     | W.H.Hutchins                  | Dynamo Casing                      | DR           | W 20         |
| ✓ 1,307,867       | 6-24-19     | E.P.Lee                       | Ignition-Coil                      | DR           | W 51         |
| ✓ 1,311,402       | 7-29-19     | C.F.Kettering &<br>W.A.Chryst | Electrical System for En-<br>gines | DR           | W 8          |
| ✓ 1,311,403       | 7-29-19     | C.F.Kettering &<br>W.A.Chryst | Electrical System for Engines      | DR           | W 6          |
| ✓ 1,312,549       | 8-12-19     | C.F.Kettering &<br>W.A.Chryst | Engine Starting Systems            | DR           | W 6          |
| ✓ 1,314,128       | 8-26-19     | A.J.Croll                     | Field Magnet                       | DR           | W 30         |
| ✓ 1,314,131       | 8-26-19     | F.F.Dorsey                    | Ignition Apparatus                 | DR           | W 57         |
| ✓ 1,314,132       | 8-26-19     | F.F.Dorsey                    | Field Magnet                       | DR           | W 30         |
| ✓ 1,314,197       | 8-26-19     | L.Langner                     | Magneto                            | DR           | W 25         |
| ✓ 1,316,934       | 9-23-19     | O.P.Barnes                    | Permutation Mechanism              | DR           | P 23         |
| ✓ 1,317,357       | 9-30-19     | F.F.Dorsey                    | Ignition Apparatus                 | DR           | W 50.1       |
| ✓ 1,320,759       | 11-4-19     | M.R.Hutchison                 | Diaphragm Horn                     | DR           | P 8          |
| ✓ 1,321,336       | 11-11-19    | C.J.Rohland                   | Sound Producer                     | DR           | P 9          |

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| ✓1,322,431        | 11-18-19    | E.A.Halbleib &<br>F.H.Banner | Circuit-Controller                                  | DR           | W 53         |
| ✓1,326,529        | 12-30-19    | H.O.Putt                     | Impulsers for Magnetos                              | DR           | W 28         |
| ✓1,327,951        | 1-13-20     | N.R.Haas                     | Cut-Out Relay                                       | DR           | W 66         |
| ✓1,328,051        | 1-13-20     | T.Midgley, Jr.               | Mercury-Cooling System                              | DR           | W 52         |
| ✓1,330,271        | 2-10-20     | E.P.Lee                      | Testing-Transformer                                 | DR           | T 1          |
| ✓1,330,317        | 2-10-20     | E.A.Halbleib                 | Machine for Forming Armature-Coils                  | DR           | W 33.1       |
| ✓1,330,848        | 2-17-20     | H.R.Davies                   | Driving Mechanism (License)                         | DR           | W 44         |
| ✓1,332,154        | 2-24-20     | V.G.Apple                    | Machine for Bending Armature<br>Terminals (License) | DR           | W 33.2       |
| ✓1,334,040        | 3-16-20     | T.L.Lee                      | Electric Connection                                 | DR           | W 70         |
| ✓1,334,084        | 3-16-20     | F.F.Dorsey                   | Electric Connection                                 | DR           | W 70         |
| ✓1,336,066        | 4-6-20      | Briggs & Jacobi              | Pedal Switch (License)                              | DR           | W 62         |
| ✓1,336,142        | 4-6-20      | C.F.Kettering                | Circuit-Breaker Indicating<br>Device                | DR           | W 66         |
| ✓1,336,143        | 4-6-20      | C.F.Kettering                | Circuit-Breaker Indicating<br>Device                | DR           | W 66         |