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| 1 | WITH SOUND ACCOMPANIMENT | 34 | .Housing and supports |
| 2 | .Cyclic motion pictures with sound (e.g., praxinoscopes) | 35 | ..With acoustic isolation |
| 3 | .Sound stages, methods and accessories | 36 | .Reproducer and screen arrangements |
| 4 | ..Prompters | 37 | .Picture and sound recorder carries |
| 5 | .Methods | 38 | METHODS |
| 6 | .Selectively operable plural records, recorders or reproducers | 39 | .Applications (e.g., motion analysis, marksmanship training) |
| 7 | ..With change-over control | 40 | .Exhibiting |
| 8 | ..Plural sound or picture record selection | 41 | ..Controlling projector illumination |
| 9 | ..Plural sound reproducers sequentially operable | 42 | ...With color filtration |
| 10 | ..Plural sound transducers selectively operable | 43 | ..Enhancing relief illusion |
| 11 | .Sound allocation | 44 | .Recording |
| 12 | .Picture and sound synchronizing | 45 | ..Photographing with light filtration |
| 13 | ..Manual control | 46 | ..With plural exposure of a single film |
| 14 | ..Loop control | 47 | ..With projected picture component |
| 15 | ..Sound record controls picture | 48 | ..With special scenery and staging effects |
| 16 | ...Control actuated by sound record | 49 | ...Illuminating the subject |
| 17 |Control signal carried by sound record | 50 | ...Making a series of drawings (e.g., animation methods) |
| 18 | ...By position of sound transducer of separate sound means | 51 |Using photographic guides |
| 19 | ..Picture controls sound | 52 |With manipulation of drawings |
| 20 | ..Control signal carried by picture record | 53 | ...Moving camera position |
| 21 | ..With independent speed regulation | 54 | ...Manipulating puppet or mannequins |
| 22 | ..With synchronous starting | 55 | ..Providing printed titles |
| 23 | ..With synchronizing indicator | 56 | .Carrier treating or working |
| 24 | ...On picture and sound records | 57 | STEREOSCOPIC CAMERAS AND/OR PROJECTORS |
| 25 | .With picture and sound control systems | 58 | .Interlineated |
| 26 | .Common picture and sound record carrier systems | 59 | .Plural film strip |
| 27 | ..Flexible strip type | 60 | .Simultaneous recording or reproducing left-right images |
| 28 | ..Common light source for picture and sound | 61 | ..With image separation by special projection screen |
| 29 | ...Spaced picture gate and sound transducers | 62 | .Sequential recording or reproducing left-right images |
| 30 |With damping | 63 | ..With image separation by synchronized viewer |
| 31 | .Separate picture and sound carrier systems | 64 | ..With reciprocating film strip carrier |
| 32 | ..Picture strip and groove-type sound disc or cylinder | 65 | ..With pre-objective reflecting system |
| 33 | ...Interconnecting drive permits relative position adjustment | 66 | COLOR CAMERAS AND/OR PROJECTORS USING MONOCHROME FILM |

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| 67 | .Simultaneously recorded or projected images | 104 | CABINET-TYPE PROJECTOR |
| 68 | RECORDING OR PROJECTING PICTURE IMAGE DURING CHANGE CYCLE OF PRECEDING PICTURE | 105 | OPTICAL RECTIFIER TYPE |
| 69 | PANORAMIC PICTURE TYPE | 106 | .Scanning reflectors and refractors |
| 70 | .Mosaic picture | 107 | .Rotating reflector disc |
| 71 | ..With vignetting | 108 | .Rotating reflector drum |
| 72 | REMOVABLE FILM STRIP MAGAZINE TYPE | 109 | .Reflector angularly displaced about fixed axis |
| 73 | .Spool or magazine selective | 110 | .Reflector displaced |
| 74 | .With magazine ejecting | 111 | ..Plural reflectors |
| 75 | .With light trap or occlusion | 112 | ...With angular adjustment during displacement |
| 76 | ..Shutter type | 113 | .Refractor |
| 77 | .With focal plane indexing | 114 | ..Plural projection lenses |
| 78 R | .Magazines | 115 | ...With rotary carrier |
| 78 C | ..Coded signals on magazines | 116 | ..Plural refractor elements with rotary carrier |
| 79 | WITH PLURAL PICTURE SIZES AND TYPES | 117 | ...Lenticular drum |
| 80 | .Plural film width | 118 | ...Lenticular disc |
| 81 | INTERLINEATED PICTURE TYPE | 119 | ..Rotating plano parallel prism |
| 82 | WITH PICTURES IN TRANSVERSE ROWS | 120 | ...Plate type |
| 83 | WITH PICTURES IN PLURAL LONGITUDINAL COLUMNS | 121 | SEQUENTIALLY OPERATED STILL CAMERAS |
| 84 | TIME COMPRESSION OR EXPANSION (E.G., TIME LAPSE OR HIGH SPEED) | 122 | .With film severing or perforating means |
| 85 | SPECIAL EFFECTS | 123 | EXHIBITORS WITH PLURAL FILM STRIP SELECTION |
| 86 | .Depth illusion | 124 | WITH REWINDING OF FILM STRIPS |
| 87 | .Animation | 125 | .During projection of another film strip |
| 88 | .Sets | 126 | WITH NONREWINDING FILM STRIP (E.G., ENDLESS FILM TYPE) |
| 89 | ..Projected picture component | 127 | .Zigzag or sinuous film support |
| 90 | .Titling devices | 128 | .Coil type |
| 91 R | .Transition effects (e.g., wipes and dissolves) | 129 | FILM STRIP VIEWING APPARATUS |
| 91 C | ..In a camera | 130 | WITH FILM TREATING OR WORKING |
| 91 S | ...Film transport controlled | 131 | COMBINED WITH DIVERSE-TYPE DEVICE |
| 92 | WITH FILM CARRIED CONTROL SIGNALS | 132 | .With manned vehicle |
| 93 | CAMERA WITH PLURAL FIELDS OF VIEW | 133 | PLURAL |
| 94 | CAMERA WITH DEFLECTED FIELD OF VIEW | 134 | .Projectors with single light source |
| 95 | GUN-TYPE CAMERAS AND/OR PROJECTORS | 135 | .Projectors with alternately operable shutters |
| 96 | OPAQUE PROJECTORS | 136 | COVERTIBLE |
| 97 | WITH SUPERIMPOSED FILM STRIPS | 137 | .Still-motion camera |
| 98 | INDIVIDUAL PICTURE PLATE TYPE | 138 | .Camera-projector |
| 99 | .Book leaf type (e.g., mutotropes) | 139 | WITH CAMERA PARTS DISPLACEABLE FOR FOCUSING |
| 100 | .Traveling observer | 140 | WITH FOCUS CONTROL |
| 101 | PICTURE DRUM TYPE (E.G., AEOTROPES) | 141 | WITH AUTOMATIC DIAPHRAGM CONTROL |
| 102 | PICTURE DISC TYPE | 142 | WITH SELECTION OF PLURAL LENSES |
| 103 | .Spiral picture arrangement | 143 | WITH FILM STRIP FIRE PREVENTION OR ISOLATION |

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| 144 | .Fire trap | 184 | .With continuous feed and intermittent film arresting means |
| 145 | ..With film severing | 185 | .With film beater |
| 146 | .Film cooling | 186 | .With reciprocating continuously driven carrier engaging sprocket |
| 147 | ..Single frame projection | 187 | .With intermittently driven carrier-engaging sprocket |
| 148 | ..By filters | 188 | ..Cam actuated |
| 149 | .Auxiliary fire shutter | 189 | ..Geneva gear actuated |
| 150 | ..Film tension responsive | 190 | ..Special type gearing |
| 151 | ...Slack loop actuation | 191 | .With film engaging claws reciprocally driven to engage film |
| 152 | ..Feed speed responsive | 192 | ..Crank pin actuated |
| 153 | ...Friction drive actuation | 193 | ...With pivoted link or arcuate slot guide |
| 154 | ...Centrifugal actuation | 194 | ..Cam actuated |
| 155 | .Electrical circuit interrupted by film sensing means | 195 | ...Scroll type |
| 156 | WITH CONCENTRIC REEL | 196 | ...With single fixed pivot |
| 157 | WITH THREADING STRUCTURE | 197 | .With supporting structure |
| 158 | .Self-feeding type | 198 | PROJECTION LIGHT SOURCES |
| 159 | WITH LOOP FORMING | 199 | .Synchronized with shutter |
| 160 | WITH FRAMING AND/OR TRAVEL GHOST ELIMINATION | 200 | .Intermittent light |
| 161 | .By alteration of film path length | 201 | .Flicker reduction by auxiliary illumination |
| 162 | .By relative positioning of gate and drive | 202 | .With ventilation and cooling |
| 163 | .By rotation of film drive sprocket | 203 | .Projector illuminators |
| 164 | ..With shutter synchronization | 204 | SHUTTERS |
| 165 | .Shutter adjustments | 205 | .With plural light paths |
| 166 | CAMERA AND/OR PROJECTOR DRIVE MECHANISMS | 206 | ..Reflex view type |
| 167 | .With illumination control responsive to drive speed | 207 | .Rectilinearly movable |
| 168 | .Having plural or interchangeable drives | 208 | .Rotary |
| 169 | .With single frame operation | 209 | ..With speed-adjusted aperture size |
| 170 | .With indicating means | 210 | ..With apertured or radially deviating blade |
| 171 | ..Visible in viewfinder | 211 | ..Ventilating |
| 172 | ..Film footage | 212 | ..With light modifying blades |
| 173 | .With reverse feed | 213 | ...Color |
| 174 | .With starting and/or stopping means | 214 | ..With axially spaced independently driven blades |
| 175 | ..Having timed run | 215 | ...Counter rotatable |
| 176 | ..Responsive to camera or projector elements | 216 | ...Variable aperture size |
| 177 | ...Shutter responsive | 217 | ...Dissolve |
| 178 | ..Having manual controls | 218 | ..With plural blades on spaced axis |
| 179 | ..Remotely operated | 219 | ..Single drive (e.g., disc type) |
| 180 | .With speed regulation or selection | 220 | ...Variable number of blades |
| 181 | ..By escapement | 221 | GATES |
| 182 | ..By braking | 222 | .Fluid pressure type |
| 183 | .With feeding belt film engagement | 223 | .With pressure rollers |
| | | 224 | .With edge guide |

- 225 .With reciprocating pressure
plate
- 226 .With removable aperture plate
- 227 .With pressure plate tension
control
- 228 .With curved film plane
- 229 .With gate moving and/or holding
structure
- 230 ..Closure-operated
- 231 .With lens mounting
- 232 **PICTURE CARRIERS**
- 233 .Strip type
- 234 ..Color
- 235 ..With leader
- 236 ..With film-carried indicia
- 237 ..Reinforced
- 238 ..Abrasion resistant
- 239 ..With particular format (e.g.,
stereoscopic)
- 240 ..With pictorial matter
- 241 ..Perforation arrangement
- 242 **WITH HOUSING**
- 243 **WITH SUPPORT**
- 244 **MISCELLANEOUS**

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