U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

CLASSIFICATION ORDER 1877

APRIL 1, 2008

PROJECT M-7032

The following classification changes will be effected by this order:

	Class	**Subclass**	**Art Unit**	**Ex'r Search Room**
Abolished:	606	61, 69, 72, 73	3733	RND0000A51
Established:	606	246-331	3733	RND0000A51
Cross-Reference Art Collections:		900-916	3733	RND0000A51
Title Change:	606	75	3733	RND0000A51

No other classes were impacted by this order.

This order includes the following:

A. CLASSIFICATION MANUAL CHANGES

B. LISTING OF PRINCIPAL SOURCE OF ESTABLISHED AND DISPOSITION OF ABOLISHED SUBCLASSES

C. CHANGES TO THE USPC-TO-IPC CONCORDANCE

D. DEFINITION CHANGES AND NEW OR ADDITIONAL DEFINITIONS

CLASSIFICATION ORDER 1877

APRIL 1, 2008

PROJECT M-7032

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Publications Specialist(s):	Yvonne Smith

This Class 606 is considered to be an integral part of Class 128 (see the Class 128 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 128.

1 INSTRUMENTS
2 .Light application
2.5 ..Lithotripsy
3 ..With particular wavelength
4 ..Ophthalmic
5 ...Recurving or reshaping of the eye
6 ...Cataracts or glaucoma
7 ..Angioplasty
8 ..Anastomosis
9 ..Dermatological
10 ..Systems
11 ...Beam energy control or monitoring
12 ....Condition responsive
13 ..Applicators
14 ...Placed in body
15 ....With optical fiber
16 ...With optical fiber
17 ...With beam shaping or redirecting (e.g., lens)
18 ....Mirror
19 .....Articulated arm
20 .Cyrogenic application
21 ..Internal application
22 ..With coolant supply
23 ...Tip or other cooling concentration means
24 ....With heating means (e.g., defroster)
25 ....Self-contained coolant supply
26 ....With hand manipulable coolant control
27 .Heat application
28 ..Tip or other heat concentration means
29 ...Tip in electrical circuit
30 ....Self-contained powersupply
31 ....With thermal control means
32 .Electrical application
33 ..Electromagnetic wave irradiation
34 ..Systems
35 ...Ground electrode monitoring
36 ...Depilation
37 ...Combined cutting-coagulation
38 ....With feed back control
39 ...Cutting
40 ...Coagulation
41 ..Applicators
42 ...With switching or power control
43 ...Depilation
44 ....By needle
45 ...Cutting
46 ....Endoscopic
47 .....With formable electrode
48 ....Bipolar electrodes
49 ...coagulation
50 ....Bipolar electrodes
51 .....With forceps or tweezers
52 ....With forceps or tweezers
237 .Chiropractic or osteopathic implement
238 ..Percussive prod
239 ...Motorized pummelling device
240 ..Positioner for recumbent user
241 ..Extension appliance
242 ...Couch
243 ....With intermediate gap
244 ....With pivot to pedestal
245 ..With intermediate pivot
53 .Orthopedic instrumentation
54 ..External fixation means
55 ...Movable by patient
56 ...Ring frame
57 ...Compression or distraction mechanism
58 ....Cyclable or incrementable
59 ...Pin connector
60 ..Internal fixation means
* 246 ...Spinal positioner or stabilizer
* 247 ....Facet implant
* 248 ....Spinous process implant
* 249 .....Spacer type
* 250 ....Including ransverse connector for linking longitudinal rods; (e.g., parallel rods)
* 251 .....Adjustable
* 252 ......Sliding adjustment
* 253 ......Articulated adjustment
* 254 ....Flexible rod
* 255 .....Resilient rod
* 256 ....Articulating rod
* 257 ....Dynamic stabilization
* 258 ....Adjustable length rod
* 259 ....Multipart rod
* 260 .....Including connector for securing rods end to end
* 261 ....Particular shaped rod
* 262 .....Formable in situ
* 263 ....Including wire, strap, or cable
* 264 ....Rod attachable by threaded fastener
* 265 .....With head of fastener attachable to longitudinal rod
* 266 ......Ball and socket type (e.g., polyaxial)
* 267 ......Head attachable using multiple parts
* 268 ....Including washer
* 269 ....Including retaining ring
* 270 ....Including set screw
* 271 ......Externally threaded head
* 272 ......Including locking mechanism
* 273 .....Anti-splay
* 274 ......Nut
* 275 .....Thread structure (e.g., double threaded, etc.)
* 276 ....Attachable hook
* 277 ....Attachable by clamp
* 278 ....Rod connectors, per se
* 279 ....Method of spinal positioning or stabilizing
62 ...Intramedullary fixator
63 ....Expanding in diameter or length

INSTRUMENTS
.Orthopedic instrumentation
..Internal fixation means
...Intramedullary fixator
64 ....Cross-fastened
65 ...Femoral screw
66 ....Anti-rotation or keeper means
67 ...Femoral nail
68 ....Expanding
* 280 ...Cortical plate (e.g., bone plates)
70 ....Multi-element or coated plate
71 .....Having separable and distinct plate elements
* 281 ....Method of implanting a bone plate
* 282 ....With compression or distraction mechanism
* 283 ....Flexible plate
* 284 .....Shapeable plate (e.g., in situ)
* 285 ......With pliable or malleable elements or having a meshlike structure (e.g., small strips for craniofacial surgery)
* 286 ....Including anchoring means
* 287 .....Ball and socket type (e.g., polyaxial)
* 288 .....Having indirect contact with screw head
* 289 .....Screw retention means (e.g., anti-backup)
* 290 ......Locking ring or washer
* 291 ......Interlocking screw head and plate holes (e.g., conical or threaded)
* 292 ......Nut
* 293 ......Wedge
* 294 ......Spring
* 295 ......Screw head cover
* 296 ....Slideable over screw head
* 297 .....Bone-penetrating element (e.g., spikes)
* 298 ....Plate material
* 299 .....Memory material
* 300 ...Orthopedic fastener
* 301 ....Threaded fastener element
* 302 .....Including a cover or protector
* 303 .....Including a grommet
* 304 .....Cannulated
* 305 .....Head structure
* 306 ......Detachable
* 307 ......Enlarged
* 308 ......Particular shape
* 309 .....Shank
* 310 ......Including anchor means extendable from shank
* 311 ......Self-drilling
* 312 ......Self-tapping
* 313 ......Radially expandable
* 314 ......Slotted
* 315 ......Multiple threads on a single fastener
* 316 ......With interrupted thread
* 317 ......Variable pitch thread
* 318 ......Screw tip
* 319 .....Including additional head-anchoring means
* 320 .....Adjustable, (e.g., longitudinally adjustable)
* 321 .....Headless screw (e.g., ligament interference screw, etc.)
74 ....Bone cerclage device
75 ....Staple or clip
* 322 ....Including cover or protector
* 323 ....Hollow (e.g., with socket or cannula etc.)
* 324 ....Clamp
* 325 ....Having rotation means
* 326 ....Expandable
* 327 .....Radially
* 328 ....Comprising multiple separate parts
* 329 ....Nail, tack, or pin
* 330 ....Hook
* 331 ....Composed of particular material
76 ..Specialized coating or material
77 ...Absorbable
78 ...Shape memory material
79 ..Orthopedic cutting instrument
80 ...Reamer or drill
81 ....Acetabular
82 ...Saw type tool
83 ...Rongeur, resector, or nipper
84 ...Osteotome or scraper
85 ....Rasp or file
87 ...Osteotomy jig or fixture
88 ....Knee or knee joint
89 ....Femoral head
90 ...Joint distractor
91 ...Acetabular cup positioner
92 ...Device for the application of bone cement
93 ....Applicator
94 .....Pressurized cement placement
95 ....Intramedullary plug or centering means
96 ...Drill or pin guide
97 ....X-ray positioned
98 ....Cross-pinning drill guide
99 ...Prosthesis insertor or extractor
100 ....Restrained movable mass (e.g., slide hammer)
101 ...Nail or plate bender
102 ...Gauging or measuring device
103 ...Wiring aid
104 ...Screw or pin placement or removal means
105 ...Bone compression or distraction
105.5 ....Cast removal implement
86 R ..Means for use in bone reperation
86 A ...Tool for installing or removing spinal positioner or stabilizer
86 B ...Tool for installing or removing cortical plate
106 .Means for removing foreign objects from the throat or connected passageways (e.g., probang)

INSTRUMENTS

107 .Means for removing, inserting or aiding in the removal or insertion of eye lens material
108 .Means for inserting or removing conduit within body
109 ..Ear vent or drain
110 .Means for removing tonsils, adenoids or polyps
111 ..With hemostasis
112 ...By pressure application
113 ..By wire loop or snare
114 ..With collecting means for removed material
115 ...By vacuum application
116 .Means for marking animals
117 .Means for applying animal identification device
118 .Means for circumcision
119 .Obstetric or gynecological instruments
120 ..Umbilical clamp
121 ..Partuition assistance device
122 ...Fetus extractor
123 ....With vacuum or suction application
124 ....With mechanical means for applying tension (e.g., gearing, reels, etc.)
125 ..Means for rupturing the amniotic membrane
126 ..Embryotome
127 .Means for concretion removal
128 ..With fragmenting means
129 .Electrode guide means
130 .Stereotaxic device
131 .Means for removal of skin or material therefrom
132 ..By means for skin graft preparation (e.g., dermatome)
133 ..Physical removal of hair or hair plugs from skin
134 ...By application of wax or adhesive
135 .Means for, or to assist in mammalian sterilization
136 ..By crushing
137 ..By severing
138 .Means for removing suture, clip, staple or ligature
139 .Suture, ligature, elastic band or clip applier
140 ..Elastic band applier
141 ...Band applied to reproductive organ
142 ..Clip applier
143 ...Clip fed from supply
144 ..Mechanical suture or ligature applier
145 ...Shuttle action by suture passing device
146 ...Spool feeds suture to needle
147 ...Means for clamping needle to handle
148 ..Suturing or ligating aid or guide
149 ...Eversion device
150 ...Alignment device (e.g., approximators)
151 .Surgical mesh, connector, clip, clamp or band
152 ..Connector for nerve endings
153 ..Connector for hollow body organs
154 ...Bioabsorbable
155 ...Connector is single element
156 ....Removable
157 ..Occluding clip, clamp, or band
158 ...Artery or vein
159 .Blood vessel, duct or teat cutter, scrapper or abrader
160 .Curette
161 .Optic, otic or oral scrapper or abrader
162 .Means for cleaning eye, ear or nose
163 .Means for debeaking or dehorning animals
164 ..By electrical or thermal application
165 .Means for removal of animal tails
166 .Corneal cutter or guide for corneal cutter
167 .Cutting, puncturing or piercing
168 ..Cutter drive reversed to clean material therefrom
169 ..Cutter having vibratory drive means
170 ..Cutter carried on elongated probe-like member
171 ...Recriprocating or oscillating cutter
172 ..Means to limit cutter penetration depth (e.g., dura guard)
173 ...By disconnecting cutter drive
174 ..Shear type (e.g., scissors, etc.)
175 ...Snout cutter
176 ..Saw type
177 ...Reciprocating
178 ...Oscillating
179 ...Cylindrical
180 ..Rotary cutter
181 ..Lancet
182 ...Spring driven or biased into cutting position
183 ....Plural cutting blades
184 ..Punch
185 ..Puncturing or piercing
186 ...Multiple puncturing elements (e.g., tatoo, scarifiers, etc.)
187 ...Hair or artificial hair injector or anchor
188 ...Earlobe piercing means
189 ...Acupuncture means
190 .Blunt dissectors
191 .Internal pressure applicator (e.g., dilator)
192 ..Inflatable or expandible by fluid
193 ...Inserted in female reproductive system
194 ...Inserted in vascular system
195 ....Detachable from inflation means
196 ...Nose or throat
197 ..Rectal or anal
198 ..Expanding dilator (e.g., expanding arm, etc.)
199 ..Nasal dilator

INSTRUMENTS
.Internal pressure applicator (e.g., dilator)
200 ..With emboli trap or filter
201 .External pressure applicator
202 ..Pneumatic cuff
203 ..Tourniquet
204 ..Acupressure device
204.15 ..Head
204.25 ...Eye
204.35 ...Wrinkle remover
204.45 ...Nose shaper
204.55 ...Horn bender
205 .Forceps
206 ..Jaws biased to open or closed position
207 ..Jaw structure
208 ..Hinge or latch structure
209 ..Tubular member stripper
210 .Tweezers
211 ..Combined with another device
212 .Hoof crack repair
213 .Sutureless closure
214 ..Chemical bonding material applied to wound edges
215 ..Material placed on opposed sides of incision or wound
216 ...Means to draw opposed sides of incision into apposition
217 ....Sliding fastener
218 ....Screw, rack and pinion or pawl and racket
219 ...Staple fastener
220 ....With retaining means
221 ...Approximating clip or serrefine
222 .Suturing needle
223 ..Needle tip or body structure
224 ..Filament attachment
225 ...Tied, hooked, wedged or grasped
226 ...Deformed
227 ...Pull out or frangible
228 .Suture or ligature
229 ..Collagen containing
230 ..Absorbable in body
231 ..Organic material containing
232 .Suture retaining means (e.g., buttons)
233 .Suture supported from engagement with incision (e.g., suture bridge)
234 .Oral pacifier
235 ..Teething device
236 ..Nipple attachment or structure
* **********
* CROSS_REFERENCE ART COLLECTIONS
* **********
* 900 LUMBAR STABILIZER
* 901 THORACIC STABILIZER
* 902 CORTICAL PLATE SPECIFICALLY ADAPTED FOR A PARTICULAR BONE
* 903 .Cranial and facial plate
* 904 ..Jaw plate
* 905 .Rib or sternum plate
* 906 .Small bone plate
* 907 COMPOSED OF PARTICULAR MATERIAL OR COATED
* 908 .Bioabsorbable material
* 909 .Bone
* 910 .Polymer
* 911 .Memory material
* 912 .Radiolucent material
* 913 .Monolithic
* 914 TOOLKIT FOR INSTALLING OR REMOVING SPINAL POSITIONER OR STABILIZER
* 915 TOOLKIT FOR INSTALLING OR REMOVING CORTICAL PLATE
* 916 TOOL FOR INSTALLING OR REMOVING ORTHOPEDIC FASTENER
****
FOREIGN ART COLLECTION
****
FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or nonpatent literature from subclasses that have been reclassified have been transferred directly to the FOR Collections listed below. These Collections contain ONLY foreign patents or nonpatent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

* INSTRUMENTS
* .Orthopedic instrumentation
* ..Internal fixation means
* FOR 100 ...Spinal positioner or stabilizer (606/61)
* FOR 101 ...Cortical plate (606/69)
* FOR 102 ...Orthopedic fastener (606/72)
* FOR 103 ....Threaded fastener element (606/73)

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SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by Data Control Division

New Classification	Number of ORs	Source Classification	Number of ORs
378/205	1	606/73	261
403/342	1	606/73	261
470/10	2	606/73	261
600/210	1	606/61	1119
600/25	1	606/73	261
600/300	1	606/73	261
600/554	1	606/61	1119
606/103	1	606/72	253
606/104	1	606/61	1119
	1	606/72	253
	1	606/73	261
606/139	9	606/72	253
606/148	3	606/72	253
606/15	1	606/61	1119
606/151	1	606/73	261
	2	606/72	253
606/213	1	606/72	253
606/232	13	606/73	261
	57	606/72	253
606/246	1	606/61	1119
	2	606/69	262
	11	606/61	1119
606/247	1	606/61	1119
	1	606/69	262
	1	606/72	253
	35	606/61	1119
606/248	1	606/61	1119
606/249	2	606/61	1119
	28	606/61	1119
606/250	1	606/69	262
	1	606/73	261
	1	606/73	261
	5	606/61	1119
	85	606/61	1119
606/251	4	606/61	1119
606/252	61	606/61	1119
606/253	4	606/61	1119
606/254	15	606/61	1119
606/255	1	606/69	262
	2	606/61	1119
606/256	1	606/61	1119
	14	606/61	1119
606/257	2	606/61	1119

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New Classification	Number of ORs	Source Classification	Number of ORs
606/258	13	606/61	1119
606/259	2	606/61	1119
606/260	2	606/61	1119
606/261	1	606/61	1119
	37	606/61	1119
606/262	3	606/61	1119
606/263	15	606/61	1119
606/264	1	606/73	261
	74	606/61	1119
606/265	2	606/61	1119
606/266	2	606/61	1119
	3	606/73	261
	29	606/61	1119
606/267	16	606/61	1119
606/268	1	606/61	1119
606/269	3	606/61	1119
606/270	1	606/61	1119
	1	606/73	261
	24	606/61	1119
606/271	4	606/61	1119
606/272	1	606/69	262
	2	606/61	1119
	19	606/61	1119
606/273	1	606/69	262
	1	606/73	261
	2	606/61	1119
606/274	1	606/61	1119
606/275	2	606/61	1119
606/276	1	606/61	1119
	37	606/61	1119
606/277	1	606/61	1119
	6	606/61	1119
606/278	1	606/73	261
	2	606/61	1119
	73	606/61	1119
606/279	1	606/72	253
	1	606/73	261
	9	606/69	262
	12	606/61	1119
	60	606/61	1119
606/28	1	606/72	253
606/280	8	606/61	1119
	23	606/69	262

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New Classification	Number of ORs	Source Classification	Number of ORs
606/281	1	606/69	262
	8	606/61	1119
	46	606/69	262
606/282	1	606/72	253
	2	606/61	1119
	16	606/69	262
606/283	1	606/61	1119
	9	606/69	262
606/284	1	606/61	1119
	13	606/69	262
606/285	10	606/69	262
606/286	3	606/73	261
	6	606/61	1119
	15	606/69	262
606/287	1	606/69	262
	8	606/69	262
	10	606/61	1119
606/288	1	606/69	262
	3	606/61	1119
	3	606/73	261
	5	606/69	262
606/289	1	606/69	262
	1	606/73	261
	3	606/61	1119
606/290	1	606/69	262
	2	606/61	1119
606/291	1	606/61	1119
	1	606/72	253
	2	606/73	261
	5	606/69	262
	11	606/69	262
606/292	1	606/61	1119
	1	606/69	262
	1	606/72	253
	1	606/73	261
	9	606/61	1119
606/293	1	606/72	253
	2	606/69	262
606/294	1	606/69	262
	2	606/69	262
606/295	3	606/69	262
606/296	1	606/61	1119
	2	606/69	262

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New Classification	Number of ORs	Source Classification	Number of ORs
606/297	4	606/69	262
606/298	1	606/69	262
606/299	1	606/73	261
606/300	1	606/61	1119
	1	606/69	262
	1	606/69	262
	2	606/73	261
	6	606/72	253
	10	606/61	1119
606/301	1	606/69	262
	4	606/72	253
	7	606/61	1119
	10	606/73	261
606/302	1	606/72	253
	3	606/61	1119
	4	606/73	261
606/303	1	606/72	253
	1	606/73	261
606/304	1	606/72	253
	1	606/73	261
	2	606/61	1119
	9	606/72	253
	25	606/73	261
606/305	1	606/69	262
	2	606/61	1119
	6	606/73	261
	13	606/61	1119
606/306	1	606/61	1119
	1	606/72	253
	4	606/73	261
606/307	2	606/61	1119
	3	606/73	261
606/308	1	606/72	253
	3	606/61	1119
	8	606/72	253
	17	606/61	1119
	25	606/73	261
606/309	1	606/69	262
	5	606/72	253
606/309	9	606/73	261
606/310	6	606/73	261
606/311	1	606/69	262
	2	606/72	253
	6	606/73	261

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New Classification	Number of ORs	Source Classification	Number of ORs
606/312	1	606/61	1119
	2	606/72	253
	8	606/73	261
606/313	1	606/61	1119
	1	606/72	253
606/314	1	606/61	1119
	1	606/73	261
	1	606/73	261
606/316	4	606/73	261
606/317	4	606/73	261
606/318	2	606/72	253
	5	606/73	261
606/319	1	606/61	1119
	1	606/73	261
	2	606/72	253
	2	606/73	261
606/32	1	606/61	1119
	1	606/73	261
606/320	1	606/61	1119
606/321	3	606/73	261
606/322	1	606/73	261
	2	606/72	253
606/323	3	606/72	253
	3	606/73	261
606/324	2	606/73	261
	3	606/61	1119
	15	606/72	253
606/326	1	606/73	261
	1	606/73	261
	4	606/72	253
	14	606/72	253
606/327	2	606/73	261
	7	606/72	253
606/328	1	606/69	262
	1	606/69	262
	2	606/72	253
	3	606/73	261
	4	606/61	1119
606/329	1	606/61	1119
	1	606/73	261
	6	606/72	253
606/33	2	606/69	262
606/330	2	606/72	253
	10	606/61	1119

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New Classification	Number of ORs	Source Classification	Number of ORs
606/331	1	606/72	253
	1	606/73	261
606/53	1	606/61	1119
	1	606/73	261
606/54	6	606/61	1119
606/56	1	606/72	253
606/57	1	606/72	253
606/57	1	606/73	261
	3	606/61	1119
606/59	1	606/61	1119
	1	606/69	262
606/60	2	606/69	262
	6	606/61	1119
606/62	1	606/61	1119
	2	606/72	253
	3	606/73	261
	4	606/69	262
606/65	1	606/73	261
606/66	1	606/69	262
606/70	2	606/61	1119
	7	606/69	262
606/71	2	606/61	1119
	7	606/69	262
606/74	1	606/69	262
	2	606/61	1119
	2	606/72	253
606/75	1	606/69	262
	1	606/73	261
	2	606/61	1119
	5	606/72	253
606/76	1	606/72	253
606/79	2	606/61	1119
606/86 A	2	606/69	262
	6	606/73	261
	146	606/61	1119
606/86 B	1	606/72	253
	14	606/61	1119
	21	606/69	262
606/86 R	1	606/72	253
	1	606/73	261
	5	606/61	1119
606/90	1	606/72	253
	5	606/61	1119
606/914	1	606/61	1119

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606/916	1	606/73	261
606/96	2	606/73	261
606/99	2	606/73	261
	3	606/61	1119
623/11.11	1	606/61	1119
	1	606/73	261
623/13.11	1	606/72	253
623/13.12	2	606/73	261
	3	606/72	253
623/13.13	3	606/72	253
623/13.14	1	606/61	1119
	6	606/73	261
	7	606/72	253
623/16.11	1	606/69	262
	1	606/72	253
	1	606/73	261
	3	606/61	1119
623/17.11	1	606/72	253
	16	606/61	1119
623/17.16	1	606/69	262
	10	606/61	1119
623/20.35	1	606/73	261
623/23.47	1	606/72	253
623/23.5	1	606/73	261
81/451	1	606/73	261

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SOURCE CLASSIFICATION(S) OF PATENTS
IN NEWLY ESTABLISHED SUBCLASSES REPORT

Generated by Data Control Division

New Classification	Number of ORs	Source Classification	Number of ORs

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APRIL 1, 2008

PROJECT M-7032

DISPOSITION CLASSIFICATION(S) OF PATENTS
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

Source Classification	Number of ORs	New Classification	Number of ORs
606/61	1119	600/210	1
		600/554	1
		606/104	1
		606/15	1
		606/246	12
		606/247	36
		606/248	1
		606/249	30
		606/250	90
		606/251	4
		606/252	61
		606/253	4
		606/254	15
		606/255	2
		606/256	15
		606/257	2
		606/258	13
		606/259	2
		606/260	2
		606/261	38
		606/262	3
		606/263	15
		606/264	74
		606/265	2
		606/266	31
		606/267	16
		606/268	1
		606/269	3
		606/270	25
		606/271	4
		606/272	21
		606/273	2
		606/274	1
		606/275	2
		606/276	38
		606/277	7
		606/278	75
		606/279	72
		606/280	8
		606/281	8
		606/282	2
		606/283	1
		606/284	1

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DISPOSITION CLASSIFICATION(S) OF PATENTS
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

Source Classification	Number of ORs	New Classification	Number of ORs
		606/286	6
		606/287	10
		606/288	3
61	1119	606/289	3
		606/290	2
		606/291	1
		606/292	10
		606/296	1
		606/300	11
		606/301	7
		606/302	3
		606/304	2
		606/305	15
		606/306	1
		606/307	2
		606/308	20
		606/312	1
		606/313	1
		606/314	1
		606/319	1
		606/32	1
		606/320	1
		606/324	3
		606/328	4
		606/329	1
		606/330	10
		606/53	1
		606/54	6
		606/57	3
		606/59	1
		606/60	6
		606/62	1
		606/70	2
		606/71	2
		606/74	2
		606/75	2
		606/79	2
		606/86 A	146
		606/86 B	14
		606/86 R	5
		606/90	5
		606/914	1
		606/99	3
		623/11.11	1

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DISPOSITION CLASSIFICATION(S) OF PATENTS
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

Source Classification	Number of ORs	New Classification	Number of ORs
		623/13.14	1
		623/16.11	3
		623/17.11	16
		623/17.16	10
606/69	262	606/246	2
606/69	262	606/247	1
		606/250	1
		606/255	1
		606/272	1
		606/273	1
		606/279	9
		606/280	23
		606/281	47
		606/282	16
		606/283	9
		606/284	13
		606/285	10
		606/286	15
		606/287	9
		606/288	6
		606/289	1
		606/290	1
		606/291	16
		606/292	1
		606/293	2
		606/294	3
		606/295	3
		606/296	2
		606/297	4
		606/298	1
		606/300	2
		606/301	1
		606/305	1
		606/309	1
		606/311	1
		606/328	2
		606/33	2
		606/59	1
		606/60	2
		606/62	4
		606/66	1
		606/70	7
		606/71	7
		606/74	1

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DISPOSITION CLASSIFICATION(S) OF PATENTS
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

Source Classification	Number of ORs	New Classification	Number of ORs
		606/75	1
		606/86 A	2
		606/86 B	21
		623/16.11	1
		623/17.16	1
606/72	253	606/103	1
		606/104	1
606/72	253	606/139	9
		606/148	3
		606/151	2
		606/213	1
		606/232	57
		606/247	1
		606/279	1
		606/28	1
		606/282	1
		606/291	1
		606/292	1
		606/293	1
		606/300	6
		606/301	4
		606/302	1
		606/303	1
		606/304	10
		606/306	1
		606/308	9
		606/309	5
		606/311	2
		606/312	2
		606/313	1
		606/318	2
		606/319	2
		606/322	2
		606/323	3
		606/324	15
		606/326	18
		606/327	7
		606/328	2
		606/329	6
		606/330	2
		606/331	1
		606/56	1
		606/57	1
		606/62	2

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DISPOSITION CLASSIFICATION(S) OF PATENTS
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

Source Classification	Number of ORs	New Classification	Number of ORs
		606/74	2
		606/75	5
		606/76	1
		606/86 B	1
		606/86 R	1
		606/90	1
		623/13.11	1
		623/13.12	3
		623/13.13	3
606/72	253	623/13.14	7
		623/16.11	1
		623/17.11	1
		623/23.47	1
606/73	261	378/205	1
		403/342	1
		470/10	2
		600/25	1
		600/300	1
		606/104	1
		606/151	1
		606/232	13
		606/250	2
		606/264	1
		606/266	3
		606/270	1
		606/273	1
		606/278	1
		606/279	1
		606/286	3
		606/288	3
		606/289	1
		606/291	2
		606/292	1
		606/299	1
		606/300	2
		606/301	10
		606/302	4
		606/303	1
		606/304	26
		606/305	6
		606/306	4
		606/307	3
		606/308	25
		606/309	9

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PROJECT M-7032

DISPOSITION CLASSIFICATION(S) OF PATENTS
FROM ABOLISHED SUBCLASSES REPORT

Generated by Data Control Division

Source Classification	Number of ORs	New Classification	Number of ORs
		606/310	6
		606/311	6
		606/312	8
		606/314	2
		606/316	4
		606/317	4
		606/318	5
		606/319	3
		606/32	1
		606/321	3
		606/322	1
606/73	261	606/323	3
		606/324	2
		606/326	2
		606/327	2
		606/328	3
		606/329	1
		606/331	1
		606/53	1
		606/57	1
		606/62	3
		606/65	1
		606/75	1
		606/86 A	6
		606/86 R	1
		606/916	1
		606/96	2
		606/99	2
		623/11.11	1
		623/13.12	2
		623/13.14	6
		623/16.11	1
		623/20.35	1
		623/23.5	1
		81/451	1

C. CHANGES TO THE U.S. – I.P.C. CONCORDANCE

U.S. Class	U.S. Subclass	I.P.C. Subclass	I.P.C. Notation
606	246	A61B	17/70
	247–278	A61B	17/70
	279	A61B	17/88
	280	A61B	17/80
	70, 71	A61B	17/80
	281	A61B	17/88
	282	A61B	17/66
	283–299	A61B	17/80
	300	A61B	17/84
		A61B	17/04
		A61F	2/08
	301–321	A61B	17/86
		A61B	17/04
		A61F	2/08
	74	A61B	17/82
	75	A61B	17/064
		A61B	17/84
	322–328	A61B	17/84
		A61B	17/04
		A61F	2/08
	329	A61B	17/86
		A61B	17/84
		A61B	17/04
		A61F	2/08
	330–331	A61B	17/84
		A61B	17/04
		A61F	2/08

D. CHANGES TO THE DEFINITIONS

CLASS 606 - SURGERY

Definitions Abolished:

Subclasses:

61, 69, 72, 73

Definitions Modified:

Subclass 54: Under SEE OR SEARCH THIS CLASS, SUBCLASS

Delete:

The entire reference to subclass 72

Insert:

300+, for bone fasteners.

Subclass 59: Under SEE or SEARCH THIS CLASS, SUBCLASS

Delete:

The entire reference to subclass 72

Insert:

300+, for bone fasteners.

Subclass 70: The subclass definition

Delete:

The entire subclass definition

D. CHANGES TO THE DEFINITIONS

Insert:

This subclass is indented under subclass 280. Subject matter wherein the cortical plate is composed of a plurality of elements or a plate to which significance is attributed to the coating composition applied thereto.

Subclass 74: The subclass definition

Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 300. Subject matter wherein the fastener element is an element which encircles one or more bone portions and applies a force to said bone portions to hold those encircled portions together.

Subclass 75: The subclass definition

Delete:

The entire subclass definition

Insert:

This subclass is indented under subclass 300. Subject matter wherein the fastener element is a generally U-shaped loop of material with pointed ends, a clip-like fastener element, or a generally elongated element, adapted to be driven into, or about, one or more bone portions to hold such portions together or to attach soft tissue to a bone portion.

Subclass 76: Under the (1) Note

Insert:

SEE OR SEARCH THIS CLASS, SUBCLASS:

298+, for materials used in cortical plates.

331, for materials used in orthopedic fasteners.

D. CHANGES TO THE DEFINITIONS

907+, for a cross-reference art collection of internal fixation devices composed of or coated with a particular material.

SEE OR SEARCH CLASS:

623, Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor, subclasses 17.11+ for spine bone prosthesis and subclasses 23.51+ for a particular prosthetic material.

Subclass 77: Under the subclass definition

Insert:

SEE OR SEARCH THIS CLASS, SUBCLASS:

299, for materials used in a cortical plate.

331, for materials used in orthopedic fasteners.

908, for a cross-reference art collection of orthopedic fasteners composed of a bioabsorbable material.

Subclass 78: Under the subclass definition

Insert:

SEE OR SEARCH THIS CLASS, SUBCLASS:

299, for materials used in a cortical plate.

331, for materials used in orthopedic fasteners.

911, for a cross-reference art collection of orthopedic fasteners composed of a shape memory material.

D. CHANGES TO THE DEFINITIONS

Subclass 104: Under SEE OR SEARCH THIS CLASS, SUBCLASS:

Delete:

The reference to subclass 73

Subclass 232: Under the subclass definition

Insert:

SEE OR SEARCH THIS CLASS, SUBCLASS:

300, for bone fasteners.

SEE OR SEARCH CLASS:

623, Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor, subclasses 17.11+ for spine bone prosthesis and subclasses 23.51+ for a particular prosthetic material.

Definitions Established:

246 Spinal positioner or stabilizer:

This subclass is indented under subclass 60. Subject matter wherein the internal fixation means maintains the relative placement or limits the relative movement between a vertebra and some other bone, or between a plurality of vertebrae.

(1) Note. Apparatus of this subclass is not required to be load-bearing.

SEE OR SEARCH THIS CLASS, SUBCLASS:

280+, for platelike devices used to position or stabilize the spine.

900, for a cross-reference art collection of stabilizers for the lumbar region of the spine.

D. CHANGES TO THE DEFINITIONS

901, for a cross-reference art collection of stabilizers for the thoracic region of the spine.

907+, for a cross-reference art collection of orthopedic fasteners composed of particular material.

SEE OR SEARCH CLASS:

403, Joints and Connections, for rod joints.

247 Facet implant:

This subclass is indented under subclass 246. Subject matter for maintaining the relative position or limiting the movement of a vertebra with respect to another bone that is adapted to be inserted in between the smooth flat circumscribed anatomical surfaces of adjacent vertebrae.

248 Spinous process implant:

This subclass is indented under subclass 246. Subject matter for maintaining the relative position or limiting the movement of a vertebra with respect to another bone that is adapted to be inserted in between the median spinelike or platelike dorsal process of the neural arch of adjacent vertebrae.

249 Spacer type:

This subclass is indented under subclass 248. Subject matter wherein the spinal positioner or stabilizer is placed in between the median spinelike or platelike dorsal process of adjacent vertebrae in order to maintain a desired distance therebetween.

250 Including transverse connector linking longitudinal rods; e.g., parallel rods:

This subclass is indented under subclass 246. Subject matter having plural slender bars which act as a spinal positioner or stabilizer and further including joining means interconnecting the plural slender bars together.

(1) Note. The longitudinal rods frequently extend in a direction generally parallel to the spinal column and span plural vertebrae.

251 Adjustable:

This subclass is indented under subclass 250. Subject matter wherein the joining means is adaptable to the particular situation in which it will be used.

D. CHANGES TO THE DEFINITIONS

252 Sliding adjustment:

This subclass is indented under subclass 250. Subject matter wherein the joining means is made adaptable through linear movement along a guiding surface.

253 Articulated linkage:

This subclass is indented under subclass 250. Subject matter wherein the joining means is made adaptable through pivoting movement about an axis.

254 Flexible rod:

This subclass is indented under subclass 60. Subject matter including a pliable slender bar which acts as the spinal positioner or stabilizer.

(1) Note. The slender bar frequently extends in a direction generally parallel to the spinal column and spans plural vertebrae.

SEE OR SEARCH THIS CLASS, SUBCLASS:

283, for a flexible cortical plate.

255 Resilient rod:

This subclass is indented under subclass 254. Subject matter wherein the slender bar is bendable under stress and yet recovers to original configuration when the stress is removed.

256 Articulating rod:

This subclass is indented under subclass 246. Subject matter including a slender bar which acts as the spinal positioner or stabilizer and wherein the slender bar pivots about the vertebrae to which it is attached.

(1) Note. The slender bar frequently extends in a direction generally parallel to the spinal column and spans plural vertebrae.

257 Dynamic stabilization:

This subclass is indented under subclass 246. Subject matter including a slender bar which acts as the spinal positioner or stabilizer and which allows the vertebrae to which the slender bar is attached to move within the normal physiological limits of motion, while also providing structural support that limits the amount of translation motion beyond normal physiological limits.

D. CHANGES TO THE DEFINITIONS

(1) Note. The slender bar frequently extends in a direction generally parallel to the spinal column and spans plural vertebrae.

258 Adjustable length rod:

This subclass is indented under subclass 246. Subject matter including a slender bar which acts as the spinal positioner or stabilizer and which further includes structure that allows the length of the slender bar to be varied.

(1) Note. The slender bar frequently extends in a direction generally parallel to the spinal column and spans plural vertebrae.

259 Multipart rod:

This subclass is indented under subclass 246. Subject matter including a slender bar made up of plural distinct sections which acts as a spinal positioner or stabilizer.

(1) Note. The slender bar frequently extends in a direction generally parallel to the spinal column and spans plural vertebrae.

260 Including connector for securing rods end to end:

This subclass is indented under subclass 259. Subject matter including structure to fasten the sections together in longitudinal alignment.

261 Particular shaped rod:

This subclass is indented under subclass 246. Subject matter including a slender bar of noncylindrical shape which acts as the spinal positioner or stabilizer.

(1) Note. The slender bar frequently extends in a direction generally parallel to the spinal column and spans plural vertebrae.

262 Formable in situ:

This subclass is indented under subclass 261. Subject matter wherein the slender bar is given its specific shape immediately prior to, or while being attached to, the spine.

SEE OR SEARCH THIS CLASS, SUBCLASS:

284+, for a shapeable cortical plate (e.g., formed in situ).

263 Including wire, strap, or cable:

This subclass is indented under subclass 246. Subject matter wherein the spinal positioner or stabilizer or its associated attaching means is fixed to the skeletal structure with (1) a

D. CHANGES TO THE DEFINITIONS

metal in the form of a very flexible thread or slender rod, (2) a narrow flat strip or thong of flexible material, or (3) a rope or chain of great tensile strength.

(1) Note. The slender bar frequently extends in a direction generally parallel to the spinal column and spans plural vertebrae.

264 Rod attachable by threaded fastener:

This subclass is indented under subclass 246. Subject matter including a slender bar which acts as the spinal positioner or stabilizer and wherein the slender bar is linked to the skeletal structure by a connecting means having at least one helical projection, the connecting means being rotated into the bone and secured therein by that helical projection.

(1) Note. The slender bar frequently extends in a direction generally parallel to the spinal column and spans plural vertebrae.

(2) Note. The fasteners in this and indented subclasses include single screw elements that are applied to vertebrae and paired elements, such as nuts and bolts, that are fastened to the vertebrae.

SEE OR SEARCH THIS CLASS, SUBCLASS:

301, for threaded orthopedic fasteners, per se.

SEE OR SEARCH CLASS:

403, Joints and Connections, for rod joints.

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 378+ for an externally threaded fastener element (e.g., bolt, screw, etc.) of general utility.

265 With head of fastener attachable to longitudinal rod:

This subclass is indented under subclass 264. Subject matter wherein a portion of the connecting means protrudes from the bone and that protruding portion directly connects to the slender bar which extends in a direction parallel to the spine.

266 Ball and socket type (e.g., polyaxial):

This subclass is indented under subclass 265. Subject matter wherein the connection means includes a partially rounded body rotatable within an at least partially hollow spherical receiving means so as to allow rotary motion in every direction within certain limits.

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH THIS CLASS, SUBCLASS:

287, for polyaxial connecting means used to connect cortical plates.

267 Head attachable using multiple parts:

This subclass is indented under subclass 265. Subject matter wherein the connecting means includes more than a single part.

SEE OR SEARCH THIS CLASS, SUBCLASS:

328, for an orthopedic fastener, per se, having multiple separate parts.

268 Including washer:

This subclass is indented under subclass 267. Subject matter wherein the connecting means includes a flat thin ring or a perforated plate to ensure tightness, prevent leakage or relieve friction.

SEE OR SEARCH THIS CLASS, SUBCLASS:

290, for a locking ring or washer used to fasten a cortical plate to bone.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 147+ for a locking ring or washer on fasteners of general utility.

269 Including retaining ring:

This subclass is indented under subclass 267. Subject matter wherein the connecting means includes a circular band for holding and connecting the longitudinal rod to the fastener.

270 Including set screw:

This subclass is indented under subclass 267. Subject matter where the connecting means includes a screw screwed through one part tightly upon or into another part to prevent relative movement of the parts.

D. CHANGES TO THE DEFINITIONS

271 Externally threaded head:

This subclass is indented under subclass 265. Subject matter wherein the portion of the connecting means extending from the bone includes helical projecting threads for attaching the longitudinal rod thereto.

SEE OR SEARCH THIS CLASS, SUBCLASS:

306, for an orthopedic fastener, per se, having a detachable head.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclass 396 for a separate head element on an externally threaded fastener of general utility.

272 Including locking mechanism:

This subclass is indented under subclass 265. Subject matter wherein the connecting means includes means to securely fasten the rod to the attaching means in order to securely prevent separation.

SEE OR SEARCH THIS CLASS, SUBCLASS:

289+, for a threaded fastener in combination with a cortical plate which includes specific retention means.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 81+ for threaded fasteners of general utility which are locked to discreet structure.

273 Anti-splay:

This subclass is indented under subclass 264. Subject matter wherein the connecting means further includes means to prevent loosening through spreading or expansion of portions of the connecting means.

274 Nut:

This subclass is indented under subclass 273. Subject matter wherein the means to prevent loosening includes a member provided with internal screw threads which encircles a portion of the connecting means.

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH THIS CLASS, SUBCLASS:

292, for a cortical plate fastener using a nut as a screw retention and locking means.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 190+ for structure to restrict rotation of threaded, mating pieces on a fastener of general utility.

275 Thread structure (e.g., double threaded, etc.):

This subclass is indented under subclass 264. Subject matter wherein the portion of the connecting means that is inserted into bone has a particularly unique design of the helical projection.

SEE OR SEARCH THIS CLASS, SUBCLASS:

315+, for an orthopedic fastener, per se, having multiple threads on a single fastener.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 412+ for plural threads on a single shank of an externally threaded fastener of general utility.

276 Attachable by hook:

This subclass is indented under subclass 246. Subject matter wherein the spinal positioner or stabilizer is attached to the skeletal structure by an element which is shaped in the form of a wire or rod section, the end of which is curved or sharply bent, or an element having a J-shaped configuration.

SEE OR SEARCH THIS CLASS, SUBCLASS:

330, for a hook-type orthopedic fastener, per se.

277 Attachable by clamp:

This subclass is indented under subclass 246. Subject matter wherein a connecting means applies a compressive force on opposing sides of the vertebrae in order to fix the spinal positioner or stabilizer to the vertebrae.

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH THIS CLASS, SUBCLASS:

324, for a clamp-type orthopedic fastener.

278 Rod connectors, per se:

This subclass is indented under subclass 246. Subject matter drawn to an intermediary member which links a slender bar that acts as the spinal positioner or stabilizer with a means to attach the spinal positioner or stabilizer to the vertebrae.

279 Method of spinal positioning or stabilizing:

This subclass is indented under subclass 246. Method of maintaining the relative placement or limiting the relative movement between a vertebra and another bone or between a plurality of vertebrae.

SEE OR SEARCH THIS CLASS, SUBCLASS:

281, for a method of implanting a bone plate, in general.

280 Cortical plate (e.g., bone plates):

This subclass is indented under subclass 60. Subject matter wherein the implanted means is a relatively flat, relatively rigid element (e.g., cortical plate) that is applied to a fractured bone on its exterior surface and fastened thereto so as to hold the disassociated portions in alignment during healing.

(1) Note. The plate may be implanted on a permanent basis or removed upon healing of the bone.

SEE OR SEARCH THIS CLASS, SUBCLASS:

902, for cross-reference art collections of cortical plates specifically adapted for particular bones.

SEE OR SEARCH CLASS:

403, Joints and Connections, for rod joints.

623, Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor, subclasses 17.11+ for spine bone prostheses and subclasses 23.51+ for a particular prosthetic material.

D. CHANGES TO THE DEFINITIONS

281 Method of implanting a bone plate:

This subclass is indented under subclass 280. Subject matter wherein a method or process is utilized for inserting cortical plates inside the body adjacent to the bone.

SEE OR SEARCH THIS CLASS, SUBCLASS:

279, for a method of spinal positioning or stabilizing.

282 With compression or distraction mechanism:

This subclass is indented under subclass 280. Device wherein the fastening of the cortical plate to the bone causes a pressing together or a separation of the bone fragments to which the plate is applied so as to adjust and maintain the disassociated portions of the fractured bone in a desired positional relationship during a substantial portion of the healing process.

SEE OR SEARCH THIS CLASS, SUBCLASS:

105, for bone compression and distraction mechanisms, in general.

283 Flexible plate:

This subclass is indented under subclass 280. Device wherein the cortical plate is pliant (i.e., capable of being bent).

SEE OR SEARCH THIS CLASS, SUBCLASS:

254+, for a flexible rod used as a spinal positioner or stabilizer.

299, for a cortical plate made of material that is deformable under stress but returns exactly to its original configuration upon removal of that stress.

284 Shapeable plate (e.g., in situ):

This subclass is indented under subclass 280. Device wherein the cortical plate is malleable so that it may be made to conform to a particular configuration.

SEE OR SEARCH THIS CLASS, SUBCLASS:

262, for a rod associated with spinal positioners or stabilizers that are formable in situ.

D. CHANGES TO THE DEFINITIONS

285 With pliable or malleable elements or having a meshlike structure (e.g., small strips for craniofacial surgery):

This subclass is indented under subclass 284. Device wherein the cortical plate is composed of interconnected sections at least some of which are malleable or is a netlike construction so that it may be made to conform to a particular configuration.

286 Including anchoring means:

This subclass is indented under subclass 280. Device wherein the cortical plate includes connecting means that fixably attach the cortical plate to the bone.

SEE OR SEARCH THIS CLASS, SUBCLASS:

300+, for bone fasteners.

287 Ball and socket type (e.g., polyaxial):

This subclass is indented under subclass 286. Device wherein the connection means includes a partially rounded body rotatable within an at least partially hollow spherical receiving means so as to allow rotary motion in every direction within certain limits.

SEE OR SEARCH THIS CLASS, SUBCLASS:

266, for polyaxial connecting used with spinal positioners or stabilizers.

288 Having indirect contact with screw head:

This subclass is indented under subclass 286. Device wherein the connecting means is a generally cylindrically shaped fastener that is helically or spirally threaded and designed for insertion in a bone by rotating an upper portion of the fastener (i.e., the head), and wherein the head of the fastener does not directly contact the cortical plate.

289 Screw retention means (e.g. anti-backup):

This subclass is indented under subclass 286. Device wherein the connecting means is a generally cylindrically shaped fastener that is helically or spirally threaded and designed for insertion in a bone by rotating an upper portion of the fastener (i.e., screw head), and further including an additional mechanism (i.e., screw retention means) that prevents the helically threaded fastener from backing out of its securing position within the bone.

SEE OR SEARCH THIS CLASS, SUBCLASS:

272, for a fastener locking mechanism used in combination with a spinal positioner or stabilizer.

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 81+ for threaded fasteners of general utility which are locked to discreet structure.

290 Locking ring or washer:

This subclass is indented under subclass 289. Device wherein the screw retention means consists of at least one element in the form of an open-center figure having a principal axis which generally coincides with the longitudinal axis of the helically threaded fastener and wherein the figure may either (a) form a closed path as in (1) a circle or (2) a disc-like element having an opening more or less in its center and having axially facing regions of significantly greater area than in the instance of (1), or (b) formed other than a closed path by having free ends which (1) fall short of meeting one another or (2) pass one another and extend there beyond.

SEE OR SEARCH THIS CLASS, SUBCLASS:

268, for a locking ring or washer used in combination with a spinal positioner or stabilizer.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 147+ for a locking ring or washer on fasteners of general utility.

291 Interlocking screw head and plate holes (e.g., conical or threaded):

This subclass is indented under subclass 289. Device wherein the screw retention means involves a locking relationship between screw threads on the threaded fastener and helical threads which surround the hole in the cortical plate through which the fastener extends.

292 Nut:

This subclass is indented under subclass 289. Device wherein the screw retention means includes an internally threaded element matingly engaged with the connecting means so as to restrict (i.e., limit or prevent) the rotation, in at least the unthreading direction, of one element relative to the other.

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH THIS CLASS, SUBCLASS:

274, for a nut used to prevent splaying in a spinal positioner or stabilizer.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 190+ for structure to restrict rotation of threaded, mating pieces on a fastener of general utility.

293 Wedge:

This subclass is indented under subclass 289. Device wherein the screw retention means includes a holding device or anchor having a tapered surface thereon engaged by a mating surface on the connecting means wherein relative axial movement between the two surfaces results in a change in the transverse dimension of the connecting means or anchor.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 75+ for wedge surfaces which lock a fastener of general utility.

294 Spring:

This subclass is indented under subclass 289. Device wherein the screw retention means is biased against the screw by an elastic body.

295 Screw head cover:

This subclass is indented under subclass 289. Device wherein the screw retention means is a member placed over the top of the threaded fastener head which prevents the screw from backing out of its secured position.

SEE OR SEARCH THIS CLASS, SUBCLASS:

302, for a screw head cover used in conjunction with an orthopedic fastener of general utility.

322, for a cover or protector on a non-threaded orthopedic fastener.

D. CHANGES TO THE DEFINITIONS

296 Slidable over screw head:

This subclass is indented under subclass 295. Device wherein the member placed over the top of the threaded fastener is linearly moveable along a guiding surface from a retracted position, which allows the fastener to pass through the plate to an extended position overlying the head of the fastener and thus preventing the fastener from backing out.

297 Bone-penetrating element (e.g., spikes):

This subclass is indented under subclass 286. Device wherein the cortical plate includes a projection that is designed to enter the bone in order to secure the plate thereto.

298 Plate material:

This subclass is indented under subclass 280. Device wherein the material that the plate is made of is particularly adapted for use within the body.

SEE OR SEARCH THIS CLASS, SUBCLASS:

331, for orthopedic fasteners composed of particular material.

907+, for a cross-reference art collection of orthopedic fasteners composed of particular material.

299 Memory material:

This subclass is indented under subclass 298. Device under subclass 298 wherein the cortical plate is made of material which is deformable under stress, but returns exactly to its original configuration upon removal of that stress.

SEE OR SEARCH THIS CLASS, SUBCLASS:

331, for orthopedic fasteners composed of particular material.

911, for a cross-reference art collection of orthopedic fasteners composed of memory material

300 Orthopedic fastener:

This subclass is indented under subclass 60. Subject matter comprising attaching means which is applied internally or transcutaneously to hold bone fragments in alignment or to connect an external fixation means with bone (i.e., orthopedic fastener).

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH THIS CLASS, SUBCLASS:

232, for suture anchors which are anchored to bone.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven Headed, Tool Deformed, or Locked-Threaded Fasteners, for fasteners of general utility which are not limited for use as an orthopedic fastener.

623, Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefore, subclasses 13.11+ for fasteners to attach ligaments or tendons, especially subclass 13.14 for ligament or tendon anchors and subclasses 16.11+ for devices used with or as a bone prosthesis.

301 Threaded fastener element:

This subclass is indented under subclass300. Subject matter wherein the fastener is either (1) a single elongated means having helical threads thereon that is designed to be inserted into bone and secured thereto through interaction of the helical threads with the bone, or (2) a fastener consisting of externally threaded elongated element formed from a pin, rod, or wire having a head at one end and designed to be inserted through bone portions and secured by a mating element having a threaded opening which is tightened by the application of torque.

(1) Note. The fasteners in this subclass include single screw elements that are applied into bones (i.e., bone screws) and paired elements, such as nuts and bolts, that are fastened to bones to hold them in place.

SEE OR SEARCH THIS CLASS, SUBCLASS:

59, for subject matter that provides a joining means between an external fixator structure and a threaded fastener element that is secured in a bone fragment to be fixed.

65+, for a threaded fastener element adapted to be screwed into and thereby reinforce the neck portion of a femur.

264, for a threaded fastener used in combination with a spinal positioner or stabilizer.

286+, for threaded fasteners used in combination with cortical plates.

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 378+ for an externally threaded fastener element (e.g., bolt, screw, etc.) of general utility.

302 Including a cover or protector:

This subclass is indented under subclass 301. Subject matter wherein a device is placed over the head of a threaded fastener and that may also aid in shielding the fastener from injury.

SEE OR SEARCH THIS CLASS, SUBCLASS:

295, for a screw head cover used in combination with a cortical plate which also acts as a screw retention means.

322, for a non-threaded orthopedic fastener having a cover and protector.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 372.5+ for a headed fastener element of general utility which includes a cap.

303 Including a grommet:

This subclass is indented under subclass 301. Subject matter wherein the threaded fastener element is an eyelet of firm material to strengthen or protect the opening through which it is passed.

SEE OR SEARCH THIS CLASS, SUBCLASS:

323, for a cannulated orthopedic fastener.

304 Cannulated:

This subclass is indented under subclass 301. Subject matter wherein the threaded fastener has a passageway extending therethrough.

SEE OR SEARCH THIS CLASS, SUBCLASS:

323, for a cannulated orthopedic fastener.

D. CHANGES TO THE DEFINITIONS

305 Head structure:

This subclass is indented under subclass 301. Subject matter wherein the portion of the threaded fastener extending from the bone is specially configured for orthopedic use.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 396-410 for special head structure on an externally threaded fastener of general utility.

306 Detachable:

This subclass is indented under subclass 301 Subject matter wherein the head of the threaded fastener is separable from the rest of the fastener.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclass 396 for a separate head element on an externally threaded fastener of general utility.

307 Enlarged:

This subclass is indented under subclass 305. Subject matter wherein head of the threaded fastener is oversized in order to specially accommodate the screw for orthopedic use.

308 Particular shape:

This subclass is indented under subclass 305. Subject matter wherein the head of the threaded fastener is of a particular configuration.

309 Shank:

This subclass is indented under subclass 301. Subject matter wherein the portion of the threaded fastener extending into the bone is specially configured for orthopedic use.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 411+ for thread or shank structure on and externally threaded fastener of general utility.

D. CHANGES TO THE DEFINITIONS

310 Including anchor means extendable from shank:

This subclass is indented under subclass 309. Subject matter wherein the portion of the threaded fastener extending into the bone contains means in addition to the threads that serve to hold the fastener firmly in the bone.

311 Self-drilling:

This subclass is indented under subclass 309. Subject matter wherein the portion of the threaded fastener extending into the bone includes means for boring a hole.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclass 387.1 for a drill-tip end on an externally threaded fastener of general utility.

312 Self-tapping:

This subclass is indented under subclass 309. Subject matter wherein the portion of the threaded fastener extending into the bone has cutting teeth that, upon rotation, etch a helical path in the bone.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclass 387.4 for a self-tapping threaded fastener of general utility.

313 Radially expandable:

This subclass is indented under subclass 309. Subject matter wherein at least a portion of the transverse dimension of the portion of the threaded fastener extending into the bone can be increased and means are provided to effect this increase in dimension.

(1) Note. The increasing means of this subclass includes, but is not limited to, a wedge-shaped mandrel, fluid pressure, a screw (tapered or straight shanked) for applying an expanding force to the threaded shank, cooperating sloped faces, etc.

SEE OR SEARCH THIS CLASS, SUBCLASS:

327, for an expandable, threadless anchoring means.

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 15+ for expandable fasteners of general utility.

314 Slotted:

This subclass is indented under subclass 309. Subject matter wherein the portion of the threaded fastener extending into the bone has a narrow groove passing transversely therethrough that divides the shank into laterally spaced sections.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 418+ for thread or shank structure on a externally threaded fastener of general utility.

315 Multiple threads on a single fastener:

This subclass is indented under subclass 309. Subject matter wherein the helical thread on the threaded fastener comprises plural distinct helical threads concentrically arranged on the shank of the fastening means with each of the helical threads lying between the adjacent convolutions of one or more of other of said helical threads.

SEE OR SEARCH THIS CLASS, SUBCLASS:

275, for a multiple threaded fastener used to secure a spinal positioner or stabilizer to the vertebrae.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 412+ for plural threads on a single shank of an externally threaded fastener of general utility.

316 With interrupted thread:

This subclass is indented under subclass 309. Subject matter wherein the thread pattern is missing along a portion of the shank of the fastener.

D. CHANGES TO THE DEFINITIONS

317 Variable pitch thread:

This subclass is indented under subclass 309. Subject matter wherein the distance from a point on the thread to a corresponding point on an adjacent thread is not uniform along the length of the thread.

(1) Note. The variation in pitch may constitute a variance of any type over any portion of the thread.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 413 and 415 for threads of varying pitch on the shank of an externally threaded fastener of general utility.

318 Screw tip:

This subclass is indented under subclass 309. Subject matter wherein the part of the fastener that initially contacts the bone is specially configured for orthopedic use.

SEE OR SEARCH THIS CLASS, SUBCLASS:

311, for self-drilling orthopedic fasteners.

319 Including additional head-anchoring means:

This subclass is indented under subclass 301. Subject matter wherein the portion of the threaded fastener extending from the bone also includes its own means for holding the fastener firmly in place within the bone.

320 Adjustable (e.g., longitudinally adjustable):

This subclass is indented under subclass 301. Subject matter wherein the threaded fastener is adaptable to permit the longitudinal dimension of the fastener to be varied.

SEE OR SEARCH THIS CLASS, SUBCLASS:

258, for an adjustable length rod used in a spinal positioner or stabilizer.

D. CHANGES TO THE DEFINITIONS

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclass 384 for an axially adjustable threaded fastener of general utility.

321 Headless screw (e.g., ligament interference screw, etc.):

This subclass is indented under subclass 301. Subject matter wherein the threaded fastener includes an upper extremity of the same or lesser diameter than portion of the threaded fastener extending into the bone.

322 Including cover or protector:

This subclass is indented under subclass 300. Subject matter wherein a device is placed over the orthopedic fastener and may also aid in shielding the fastener from injury.

SEE OR SEARCH THIS CLASS, SUBCLASS:

289+, for a screw retention means used in combination with a cortical plate.

302, for a threaded fastener having a cover or protector.

SEE OR SEARCH CLASS:

411, Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener, subclasses 372.5+ for a headed fastener element of general utility which includes a cap.

323 Hollow (e.g., with socket or cannula, etc.):

This subclass is indented under subclass 300. Subject matter wherein the fastener has a passageway extending therethrough.

324 Clamp:

This subclass is indented under subclass 300. Subject matter wherein the fastener applies a compressive force to opposing sides of a bone in order to (1) hold bone fragments together or (2) fix the fastener to the bone.

SEE OR SEARCH THIS CLASS, SUBCLASS:

277, for a clamping fastener used in conjunction with a spinal fixation device.

D. CHANGES TO THE DEFINITIONS

325 Having rotation means:

This subclass is indented under subclass 300. Subject matter wherein the fastener is not threaded and must be turned about its own axis in order to be anchored firmly within a bone.

SEE OR SEARCH THIS CLASS, SUBCLASS:

300, for threaded orthopedic fasteners.

326 Expandable:

This subclass is indented under subclass 300. Subject matter wherein the size of the fastening device can be made larger in a given direction.

327 Radially:

This subclass is indented under subclass 326. Subject matter wherein the adjustability in the size of the fastener is in a direction transverse to the longest dimension of the fastener.

SEE OR SEARCH THIS CLASS, SUBCLASS:

313, for radially expandable threaded orthopedic fasteners.

328 Comprising multiple separate parts:

This subclass is indented under subclass 300. Subject matter wherein the fastener itself is made of a plurality of separate and distinct components that are attached together.

SEE OR SEARCH THIS CLASS, SUBCLASS:

267, for a multipart fastener used in combination with a spinal positioner or stabilizer.

329 Nail, tack, or pin:

This subclass is indented under subclass 300. Subject matter wherein the fastener is provided with an impact receiving surface adapted to receive an axially applied force that causes the fastener to penetrate bone or to an elongated smooth-sided member that is placed within a predrilled bore in bone.

D. CHANGES TO THE DEFINITIONS

330 Hook:

This subclass is indented under subclass 300. Subject matter wherein the fastener is shaped in the form of a wire or rod section, the end of which is curved or sharply bent, or an element having a J-shaped configuration.

SEE OR SEARCH THIS CLASS, SUBCLASS:

276, for a hook-shaped fastener used in combination with a spinal positioner or stabilizer.

331 Composed of particular material:

This subclass is indented under subclass 300. Subject matter wherein the material that the fastener is made of is particularly adapted for use within the body.

SEE OR SEARCH THIS CLASS, SUBCLASS:

298, for cortical plates composed of particular material.

907+, for a cross-reference art collection of orthopedic fasteners composed of particular material.

SEE OR SEARCH CLASS:

623, Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor, subclasses 17.11+ for spine bone prosthesis and subclasses 23.51+ for a particular prosthetic material.

CROSS-REFERENCE ART COLLECTIONS

900 LUMBAR STABILIZER:

Subject matter which positions the part of the vertebrae between the thoracic vertebrae and the five united vertebrae that are directly connected with or form a part of the pelvis.

901 THORACIC STABILIZER:

Subject matter which positions the part of the vertebrae lying between the neck and the abdomen.

D. CHANGES TO THE DEFINITIONS

902 CORTICAL PLATE SPECIFICALLY ADAPTED FOR PARTICULAR BONE:

Subject matter wherein the cortical plate is specially shaped or modified for use with a certain type of bone.

903 Cranial and facial plate:

This art collection is indented under art collection 902. Subject matter wherein the cortical plate is specially shaped or modified to be used with the bones of the skull.

904 Jaw plate:

This art collection is indented under art collection 903. Subject matter under cross-reference art collection 903 wherein the cortical plate is specially shaped or modified to be used with the mandible.

905 Rib or sternum plate:

This art collection is indented under art collection 902. Subject matter wherein the cortical plate is specially shaped or modified to be used with the curved bones that stiffen the wall of the body and protect the viscera or with the breastbone.

906 Small bone plate:

This art collection is indented under art collection 902. Subject matter wherein the cortical plate is specially shaped or modified to be used with a bone having comparatively little size (e.g., finger bone, toe bone, etc.).

907 COMPOSED OF PARTICULAR MATERIAL OR COATED:

Subject matter wherein the material that the internal fixation means is made of or its covering, finishing, or protective layer is particularly adapted for orthopedic use.

SEE OR SEARCH THIS CLASS, SUBCLASS:

298+, for particular material used in a cortical plate.

331, for particular material used in an orthopedic fastener.

908 Bioabsorbable material:

This art collection is indented under art collection 907. Subject matter wherein the material that the internal fixation means is made of or its covering, finishing, or protective layer is capable, over a period of time, of being assimilated or incorporated by the body.

D. CHANGES TO THE DEFINITIONS

909 Bone:

This art collection is indented under art collection 907. Subject matter wherein the material that the internal fixation means is made of or its covering, finishing, or protective layer is composed of the hard largely calcareous tissue of which the adult skeleton of most vertebrates is chiefly composed.

910 Polymer:

This art collection is indented under art collection 907. Subject matter wherein the material that internal fixation means is made of or its covering, finishing, or protective layer is composed of a chemical compound or a mixture of compounds formed by a chemical reaction in which two or more small molecules combine to form larger molecules and consisting essentially of repeating structural units.

911 Memory material:

This art collection is indented under art collection 907. Subject matter wherein the material that the internal fixation means is made of or its covering, finishing, or protective layer is composed of a material which is deformable under stress, but returns exactly to its original configuration upon removal of that stress.

912 Radiolucent material:

This art collection is indented under 907. Subject matter wherein the material that the internal fixation means is made of or its covering, finishing, or protective lay is composed of a material that is permeable to radiation, such as X-ray radiation.

913 Monolithic:

This art collection is indented under subclass 907. Subject matter wherein the internal fixation means is made from a single piece of material that exhibits massive uniformity.

914 TOOLKIT FOR INSTALLING OR REMOVING SPINAL POSITIONER OR STABILIZER:

Subject matter wherein a pre-packaged collection of orthopedic tools or instruments are used for placing within the body or taking away from the body, the spinal positioner or stabilizer or its component parts.

SEE OR SEARCH THIS CLASS, SUBCLASS:

915, for a toolkit for installing or removing cortical plate, or a component thereof.

916, for a toolkit for installing or removing an orthopedic fastener.

D. CHANGES TO THE DEFINITIONS

915 TOOLKIT FOR INSTALLING OR REMOVING CORTICAL PLATE:

Subject matter wherein pre-packaged orthopedic tools or instruments are used to place within the body or remove from the body the cortical plate or its component parts.

SEE OR SEARCH THIS CLASS, SUBCLASS:

914, for a toolkit for installing or removing a component or fastener of a spinal positioning or stabilizing system.

916, for a toolkit for installing or removing an orthopedic fastener.

916 TOOL FOR INSTALLING OR REMOVING ORTHOPEDIC FASTENER:

Subject matter wherein pre-packaged orthopedic tools or instruments are used to adjust the position of within the body, place within the body, or remove from the body an orthopedic fastener.

FOREIGN ART COLLECTIONS

The definitions below correspond to abolished subclasses from which these collections were formed. See the Foreign Art Collection Schedule of this class for specific correspondences. [Note: The titles and definitions for indented art collections include all the details of the one(s) that are hierarchically superior.]

FOR 100 Spinal positioner or stabilizer:

Foreign art collection for subject matter wherein the internal fixation means is particularly adapted for positioning vertebrae.

FOR 101 Cortical plate:

Foreign art collection for subject matter wherein the internal fixation means is an elongated element which is applied to a fractured bone on its exterior surface and fastened thereto so as to hold the disassociated portions in alignment during healing.

(1) Note. The plate may be implanted on a permanent bases or removed upon healing of the break in the bone.

D. CHANGES TO THE DEFINITIONS

FOR 102 Orthopedic fastener:

Foreign art collection for subject matter comprising fastener elements which are applied internally or transcutaneously to hold bone fragments in alignment or to connect an external fixation means with bone fragments to be aligned.

(1) Note. The fastener elements in this subclass are nonthreaded elements such as pins and wires which are placed through the bone elements to pin them together.

(2) Note. This subclass also contains elongated pin elements which have their own drilling head contained on the fastener.

FOR 103 Threaded fastener element:

Foreign art collection for subject matter wherein the fastener is either a single elongated means having helical threads thereon or a fastener consisting of externally threaded elongated element formed from a pin, rod or wire having a head at one end and designed to be inserted through bone portions and secured by a mating element having a threaded opening which is tightened by the application of torque.

(1) Note. The fasteners in this subclass include single screw elements which are applied into bones and paired elements, such as nuts and bolts, which are fastened to bones to hold them in place.