PRINTING AND SORTING

EMBOSSING OR PENETRATING

4. Special-article machines
5. Rolling contact
6. Rotary
7. Rotating object
8. Hot die
10. Oscillating
11. Feeding or delivering

Matrix material
13. Selective machines
14. Drum series
15. Multiple-character bar
16. Die members
17. Processes
18. Selective machines
19. Piercing
20. Oscillating
21. Hot die
22. Rolling-contact machines
23. Rotary
24. Piercing
25. Hot die
26. Piercing machines
27. Hot die machines
28. Die members
29. Selective
30. Piercing
31. Hot
31.1 Seal presses
32. Processes
33. TRANSFERRING PREPARATORY DESIGNS
34. Processes
35. SPECIAL ARTICLE MACHINES
36. Rotary
37. Feeding or delivering
38. Rotating object
39. Feeding or delivering
40. Feeding or delivering
41. Bed and platen
42. Selective
43. Feeding or delivering
44. Feeding or delivering
45. SELECTIVE OR PROGRESSIVE
46. Typewriter feature
47. Addressing machines
48. Stencil
49. Rotary machines with roller inker and fountain
50. Stencil web
51. Traveling roller inker with fountain
52. Rotary
53. Feeding or delivering
54. Plate chain feed
55. Bed-and-cylinder
56. Traveling cylinder
57. Bed and platen
58. Article grouper
59. Drum series
60. Interconnected plates
61. Oscillating machines
62. Rotary plate carrier
63. Shifting chase
64. Oscillating machine
65. Oscillating
66. Ticket machines
67. Duplicating
68. Bed and platen
69. Bed and platen
70. Numbering attachment
71. Mail-box machines
72. Numbering
73. Measuring machines
74. Rotary
75. Drum series
76. Rotary machines
77. Planetary drum series
78. Bed-and-platen machines
79. Drum series
80. Oscillating machines
81. Roller and plate inker
82. Roller and plate inker
83. Drum series and pad inkers
84. Printing members
85. Drum series
86. Planetary
87. Adjustable
88. Contact actuated
89. Yielding drums
90. Duplicating machines
91. Rotary machines
92. Web
93. Bed and platen machines
93.01 Methods
93.02 With means to prevent double impressions (rebound preventers)
93.03 With means to vary intensity of print impression
93.04 Segmented print character printers (e.g., dots, etc.)
93.05 Wire
93.06 . .With justifying
93.07 . .Printing and perforating or
severing
93.08 . .Simultaneous plural line
printing
93.09 . .Hammer individually strikes
print characters in adjacent
print columns (e.g., sharing)
93.1 . .Fluid actuated or controlled
print means
93.11 . .Plural separate print
mechanisms
93.12 . . Unlike
93.13 . .With movable endless print
carrying belt
93.14 . .Moving along print line
93.15 . .Print or hammer unit moves
along print line
93.16 . .Hammer unit moves along print
line
93.17 . .Rotatable print unit
93.18 . .With printing type carried on
rotatable member
93.19 . .Single disk
93.2 . .With diverse type print
character carrier
93.21 . .Rotating axis parallel to
print line
93.22 . .Slows to print
93.23 . .Having skewed or helically
spaced print characters
93.24 . .Rotatable member movable to
platen
93.25 . .Arcuately moving
93.26 . .With relatively movable print
type
93.27 . .With plural record printing
93.28 . .Hammer member movable to
print member
93.29 . .Including
electromagnetically actuated
means
93.3 . .Rotary member moves hammer
to engage print characters
93.31 . . .With intermediate force
transmitting member
93.32 . .With intermediate force
transmitting member
93.33 . .With spring
93.34 . .With spring
93.35 . .With mechanically actuated
platen or hammer
93.36 . .Arcuately moving
93.37 . .With printing type carried on
reciprocating member
93.38 . .Member having plural print
type sets
93.39 . .With separate printing at
each set
93.4 . .Plural sets on same member
face
93.41 . .Platen member movable to type
carrier
93.42 . .Electromagnetically actuated
93.43 . .Type moved to platen
electromagnetically
93.44 . .Type member moves in arcuate
path
93.45 . .Having relatively movable type
93.46 . .Member position controlled
electromagnetically
93.47 . .With print character carrying
member movable to platen
93.48 . .Print hammer assembly per se
94 . .Oscillating
95 . .Drum series
96 . .Ribbon inker
97 . .Pad inker
98 . .Pad inker
99 . .Drum series
100 . .Ribbon inker
101 . .Pad inker
102 . .Ribbon inker
103 . .Printing members and inkers
104 . .Tumbler bed and pad inker
105 . .Endless type band
106 . .Drum series
107 . .Ribbon inker
108 . .Pad inker
109 . .Printing members
110 . .Drum series
111 . .Endless band
112 . .Stencil plate
113 . .Stenciling
114 . .Multicolor
115 . .Rotary machines
116 . .Cutting and feeding or
delivering
117 . .Feeding or delivering
118 . .Internal inker
119 . .Contact member
120 . .Stencil-web machines
121 . .Endless band
122 . .Traveling-inker machines
123 . .Stationary-inker machines
124
125 .Stencil and pad inker
126 .Stencil and work support
127 .Stencils
127.1 ...Mounts, holders and extensions
128 ...Settable units
128.1 ...Attaching
128.21 ...Laminated and/or plural sheets
128.4 ...Manufacture
129 .Processes
130 .PLANOGRAPHIC
131 .Copying apparatus
131.5 ...Sheet flexing
132 ...Rotary
132.5 ...With dampener
133 ...Bed-and-cylinder
134 ...Multicolor ink block
134.5 ...Bed and platen
135 .Multicolor
136 ...Rotary machines
137 ...Transfer with interrupter
138 ...Web
139 .......Interrupter
140 ...Interrupter
141 ...Rotary machines
142 ...Transfer
143 ...Web with interrupter
144 ...Interrupter
145 ...Interrupter
146 ...Bed-and-cylinder machines
147 ...Dampeners
148 ...Roller fountain
149 .Processes of lithographic
150 ...With application of ink
151 ...Repellent or ink receptive
152 ...Liquid
153 ...Non-aqueous
154 .Lithographic printing plates
155 ...Including metal support having
156 ...Printing or non-printing
157 ...Surface contains silica or
158 ...Glass
159 ...Surface contains light reacted
160 ...Material
161 ...Surface contains resin
162 ...Surface contains metal
163 ...Aluminum, copper or zinc
164 ...Including paper or cellulosic
165 ...Support having printing or
166 ...Non-printing surface
167 ...Surface contains protein or
derivative
168 ...Surface contains resin
169 ...Lithographic plate making, and
170 ...Processes of making or using
171 ...Copy elements, and elements
172 ...Per se
173 ...Films to film inhibition
174 ...Making plate surface portions
175 ...Ink repellent or ink receptive
176 ...Ink receptive
177 ...By use of radiant energy or
178 ...Heat
179 ...Copying
180 ...Including color formation or
181 ...Enhancement
182 ...Utilizing radiant energy or
183 ...Heat
184 .......Light
185 ...Utilizing solvent
186 .......Elements per se
187 .INTAGLIO
188 .Multicolor
189 ...Rotary machines
190 ...Rotary
191 ...Transfer with scraper wiper
192 ...Wiper
193 ...Web
194 ...Scraper
195 ...Bed-and-cylinder machines
196 ...Circulating bed
197 ...Roller inker with web wiper
198 ...Roller inker with wiper
199 ...Web wiper
200 ...Bed and platen
201 ...Reciprocating bed with roller
202 ...Inker and web wiper
203 ...Roller inker with web wiper
204 ...Web wiper
205 ...Wipers
206 ...Web
207 ...Scraper
208 ...Processes
209 .MULTICOLOR
210 .Yarn
211 ...Rotary and bed-and-cylinder
212 ...Machines
213 ...Single impression
214 ...Web
215 ...Transfer
216 ...Web
217 ...Perfecting
218 ...Multiple couple
181 ...Multiple couple
182 ...Interrupter
183 ...Multiple couple
184 ...Interrupter
185 ...Interrupter
186 .Bed-and-cylinder machines
187 ...Single impression
188 ...Lateral shift
189 ...Multiple cylinder
190 ...Perfecting
191 ...Throw-off
192 ...Interrupter
193 .Bed-and-platen machines
194 ...Single impression
195 ...Oscillating machines with roller and plate inker
196 ...Web
197 ...Oscillating bed
198 ...Reciprocating bed
199 ....Roller inker
200 ...Oscillating
201 .Rising-and-falling type
202 .Inkers
203.1 ...Roller and plate
204 ...Fountain
204.1 ...Multi-disc plate
205 ...Roller
206 ...Rotary machine
207 ....Fountain
208 ...Fountain
209 ...Interrupter
210 ...Fountains
211 .Processes
212 ROLLING CONTACT MACHINES
213 .Rotary printer and web roll with roller inker
214 .Rotary and bed-and-cylinder
215 ...Transfer
216 .Rotary
217 ...Transfer
218 ...Interrupter
219 ...Web
220 ...Perfecting
221 ....Multiple impression
222 .....Reversing
223 .....Reversing
224 ....Cutting and feeding or delivering
225 ....Feeding or delivering
226 ...Cutting
227 ....Feeding or delivering
228 ...Feeding or delivering
229 ...Perfecting
230 ...Reversing
231 ...Feeding or delivering
232 ...Feeding or delivering
233 ...Article-controlled machines
234 ....Tripped printing member
235 ......Single revolution
236 ......Stacking
237 ......Stacking
238 ....Stacking
239 ......Article-timing stop
240 ...Stacking
241 ....Article-timing stop
242 ...Article-timing stop
243 ...Ribbon inker
244 ...Ribbon inker
245 ..Single revolution
246 ..Gripper cylinder
247 ...Interrupter
248 .Cylinder-registering mechanisms
249 .Staggered blanket
250 .Bed-and-cylinder
251 .Transfer
252 ...Traveling cylinder
253 ..Web
254 ...Perfecting
255 ....Circulating bed
256 ....Traveling cylinder
257 ......Reversing
258 ....Oscillating cylinder
259 ....Circulating bed
260 ...Traveling cylinder
261 ...Oscillating cylinder
262 .Perfecting
263 ....Circulating bed
264 ...Traveling cylinder
265 ...Stop cylinder
266 ...Oscillating cylinder with feeding or delivering by additional revolution
267 ...Feeding or delivering by additional revolution
268 .Circulating bed
269 ...Traveling cylinder
270 ....Circulating
271 ....Feeding or delivering with ribbon inker
272 ...Feeding or delivering
273 ....Ribbon inker
274 ...Ribbon inker
275 ...Stop cylinder
276 ...Feeding or delivering
277 ...Oscillating cylinder
278 ...Feeding or delivering
279 ...Feeding or delivering
280 ...Additional revolution
281 ...Ribbon inker
...Bed-and-cylinder movements only
284 ...Throw-off
285 ....Interrupter
286 ...Interrupter
287 ...Cylinder-registering mechanisms
288 ....BED-AND-PLATEN MACHINES
289 ...Web
290 ...Reciprocating bed
291 ....Reciprocating bed
292 ...Roller and plate inker
293 ....Roller and plate inker
294 ...Inker
295 ....Roller
296 ...Perfecting
297 ...Oscillating
298 ...Reciprocating bed
299 ...Oscillating bed
300 ....Roller and plate inker
301 ...Inker
302 ....Roller and plate
303 .....Traveling plate
304 .....Circulating roller
305 ...Roller
306 ...Interrupter
307 ...Roller plate inker
308 ....Roller plate inker
309 ...Roller inker
310 ...Inker
311 ....Roller and plate
312 .....Traveling plate
313 .....Circulating roller
314 ...Roller
315 ....Fountain
316 .Reciprocating bed
317 ...Interrupter
318 ...Inker
319 ....Roller and plate
320 ...Roller
321 ....Fountain
322 .Interrupter
323 ...Roller inker
324 .Inker
325 ....Roller and plate
326 ...Roller with fountain
327 ....PRINTING MEMBERS AND INKERS
328 .Rolling-contact printing member
329 ...Roller inker
330 ....Fountain
331 ....Roller fountain
332 .Ribbon inker
333 .Pad inker
334 ...Tumbler bed
INKERS
335 .Roller and plate
336 .Ribbon
337 ...BED-AND-PLATEN MACHINES
338 ...Traveling plate
339 ...Fountain
340 ...Interrupter
341 ...Interrupter
342 ...Interrupter
343 ...Traveling plate
344 ...Fountain
345 ...Interrupter
346 ...Interrupter
347 ...Fountain
348 ...Roller
349.1 ...Rotary machine
350.1 ...Having fountain to supply ink to roller
350.2 ...Selective feed path of ink to roller
350.3 ...Vibrating
350.4 ...Variable speed roller in train of rollers supplying ink to ink roller
350.5 ...Having excess ink return; i.e., recovery
350.6 ...Having plural doctor means
351.1 ...Having interrupter in ink supply
351.2 ...Spring biased
351.3 ...Pivoted
351.4 ...Hydraulically moved
351.5 ...Hydrophobic roller
351.6 ...Segmented roller
351.7 ...Covered
351.8 ...Having means to spray ink on roller
352.01 ...Having interrupter
352.02 ...Biased
352.03 ...Spring
352.04 ...Pivoted
352.05 ...Hydraulically moved
352.06 ...Vibrating
352.07 ...Biased
352.08 ...Spring
352.09 ...Pivoted
352.1 ...Specific shape
352.11 ...Specific surface
352.12 ...Pile or nap
352.13 ...Plurality of projections or indentations
353 ...Bed-and-cylinder machine
354 ...Traveling roller
355 ...Fountain

April 2007
...Fountain
...Interrupter
...Interrupter
..Bed-and-platen machine
..Fountain
....Interrupter
....Interrupter
.Fountains
..Multiple-point control
..Force discharge
..Roller-fountain
PRINTING MEMBERS
.Addressing plates
..Type groove
..Mail-cancelling stamps
..Special-designs forms
..Arrangeable face
..Late insertion
..Rolling contact
..Yielding surface
..Type groove
..Plate securing means
..Yielding surface
..Type groove
..Type groove
..Plate mountings
..Securing means
...Modified plate
...Detachable hooks
..Groove
.....Diagonal
......Shifting means
....Block
..Magnetic or vacuum means to hold printing plates
..Chase-securing means
..Chases
..Variable-size frame
..Adjustable bars
..Locking means
..Plates
..Line bars
..Special-design face
..Types
..Special-design face
..Rules and borders
..Surfaces
..Blanks and processes
..Types or matrices
..Making ready
..Type bars
..Type or matrix forming machines
..Type bar

..Fillers
..Line spacers
..Binding
..Stamp handles
..Flexible connection
..Grippers
..Cylinders
...Shiftable
..Gripper-attached tumble
..No operating mechanism
..Tympan gauges
..Automatic movement
..Surface secured
..Work held on flat surface
..Work in rolling contact with printing plate
..Web
..Cylinder-carried reels
..Sheet
..Contact preventers
..Friskets
..Ink repellent
..Cleaners
..With cleaning composition
..Drying with fluid (air) or by heating
..Anti-offset material application
..Print plate feeding or delivering
..Erasable plate
..Assembly or disassembly features
..Press part or attachment

..Processes
..Condition responsive
..Position or alignment
..Of print means
..With heating or cooling
..Of print medium
..Electric or magnetic transfer
..Plural impressions on single article
..Specific ink
..Transfer or offset
..Resilient surface

WORK SUPPORTING MEMBERS
FLEXIBLE-SHEET-SECURING DEVICES
ANTISMUT DEVICE
CLEANING ATTACHMENTS
PRINTING ON STACKED ARTICLES
ERASABLE PLATE
ASSEMBLY OR DISASSEMBLY FEATURES
PRESS PART OR ATTACHMENT
LAYOUT OR REGISTRATION
TAB

MISCELLANEOUS

April 2007
FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS
  INKERS (101/335)
  Ribbon (101/336)
FOR 100 Rotary machine (101/349)
FOR 101 Fountain (101/350)
FOR 102 Interrupter (101/351)
FOR 103 Interrupter (101/352)

DIGESTS

DIG 29 PRINTING INVOLVING A COLOR-FORMING PHENOMENON
DIG 30 SPECIAL ARTICLE PRINTING WITH ARTICLE CONTROLLED OPERATION
DIG 31 DEVICES FOR APPLYING METAL LEAF EMPLOYING HOT DIES
DIG 32 MEANS TO VARY THE TIME OF CONTACT OF ONE OR MORE ROLLERS IN AN INK TRAIN
DIG 33 INK TRANSFER EMPLOYING ONE OR MORE BELTS
DIG 34 MEANS TO AGITATE INK IN A RESERVOIR
DIG 35 ROLLERS AND TRACK THEREFORE IN PRINTING PRESSES
DIG 36 MEANS FOR REGISTERING OR ALIGNMENT OF PRINT PLATES ON PRINT PRESS STRUCTURE
DIG 37 PRINTING EMPLOYING ELECTROSTATIC FORCE
DIG 38 MEANS FOR AXIALLY RECIPIROCATING INKING ROLLERS
DIG 39 PRINTING ON CYLINDER OF REVOLUTION
DIG 40 MEANS TO PRINT ON GOLF BALLS
DIG 41 MEANS FOR BRAKING PRESS CYLINDERS
DIG 42 MEANS FOR TENSIONING WEBS
DIG 43 MACHINES PRINTING BY BOTH INTAGLIO AND ANOTHER TYPE OF PRINTING MEANS
DIG 44 COIN CONTROLLED PRINTING MACHINES
DIG 45 SENSOR FOR INK OR DAMPENING FLUID THICKNESS OR DENSITY
DIG 46 PRINTING OPERATION CONTROLLED BY CODE INDICIA ON PRINTING PLATE OR SUBSTATE
DIG 47 AUTOMATIC OR REMOTE CONTROL OF METERING BLADE POSITION

DIG 48 ENDLESS PRINTING BELT FOR OTHER THAN SELECTIVE OR PROGRESSIVE PRINTING
DIG 49 CONVERTIBLE PRINTING PRESS (E.G., LITHOGRAPHIC TO LETTER PRESS)