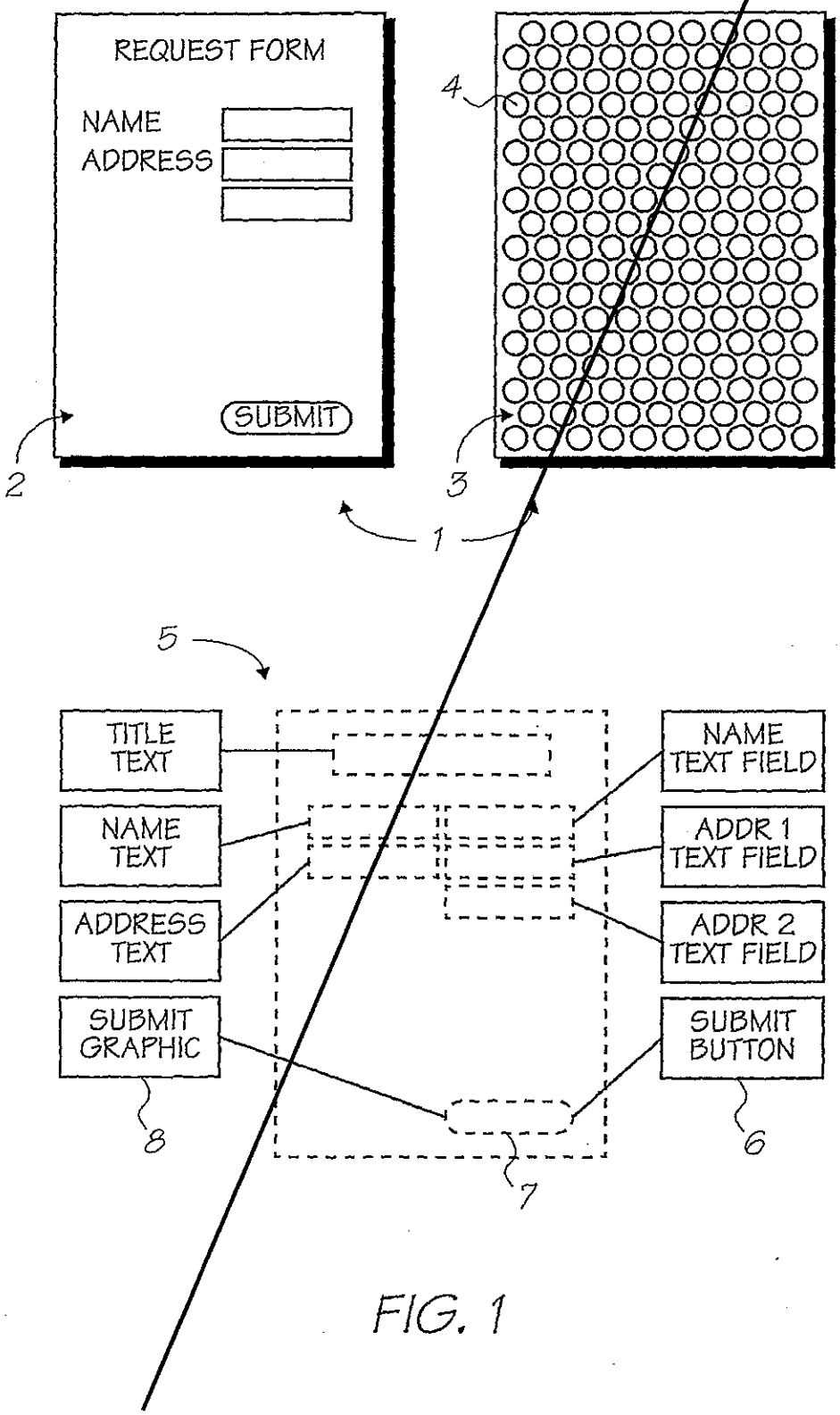

REQUEST FORM
NAME
ADDRESS
SUBMIT
2
3
4
1
5
TITLE TEXT
NAME TEXT
ADDRESS TEXT
SUBMIT GRAPHIC
NAME TEXT FIELD
ADDR 1 TEXT FIELD
ADDR 2 TEXT FIELD
SUBMIT BUTTON
8
6
7

FIG. 1

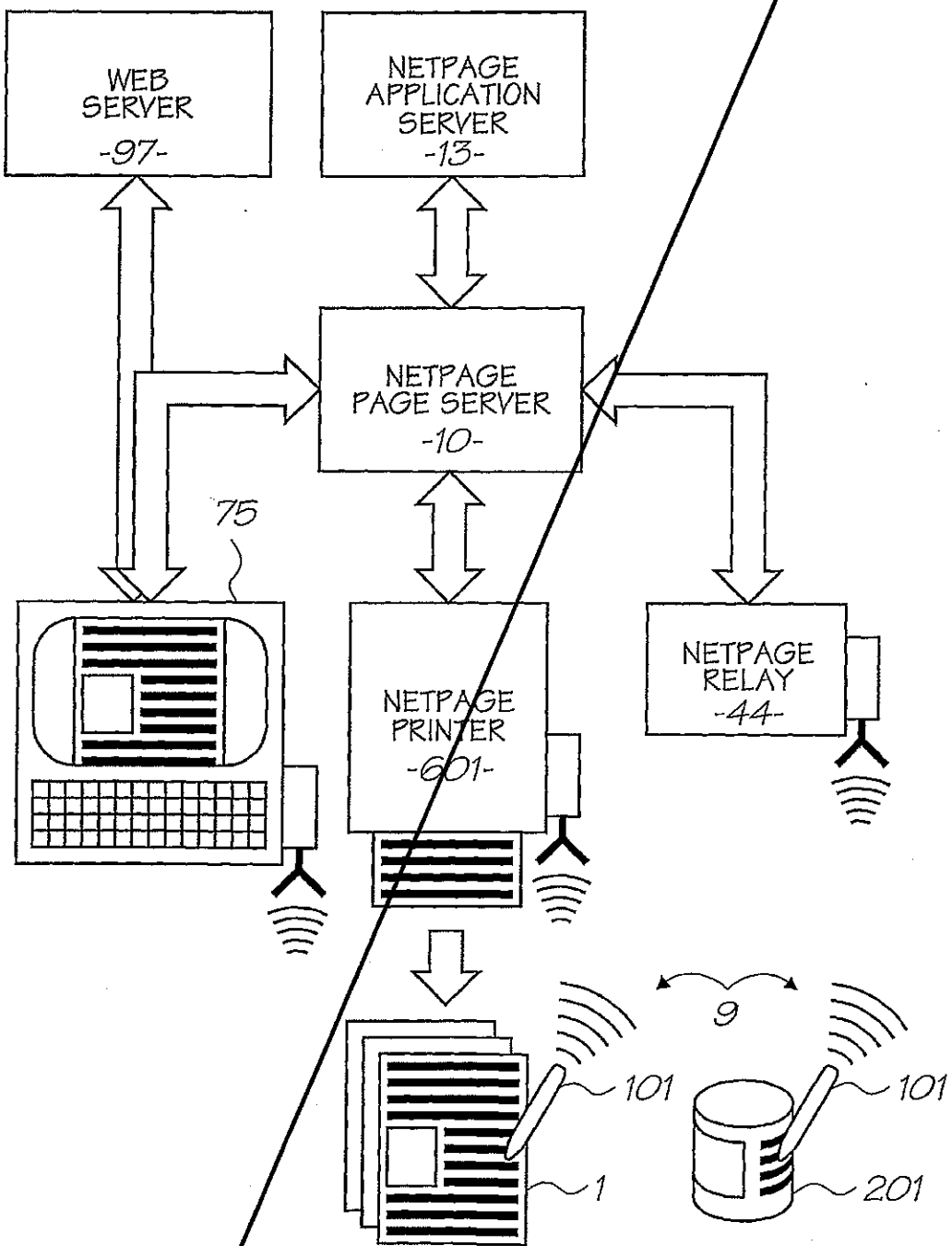

WEB SERVER -97-
NETPAGE APPLICATION SERVER -13-
NETPAGE PAGE SERVER -10-
75
NETPAGE PRINTER -601-
NETPAGE RELAY -44-
9
101
101
1
201

FIG. 2

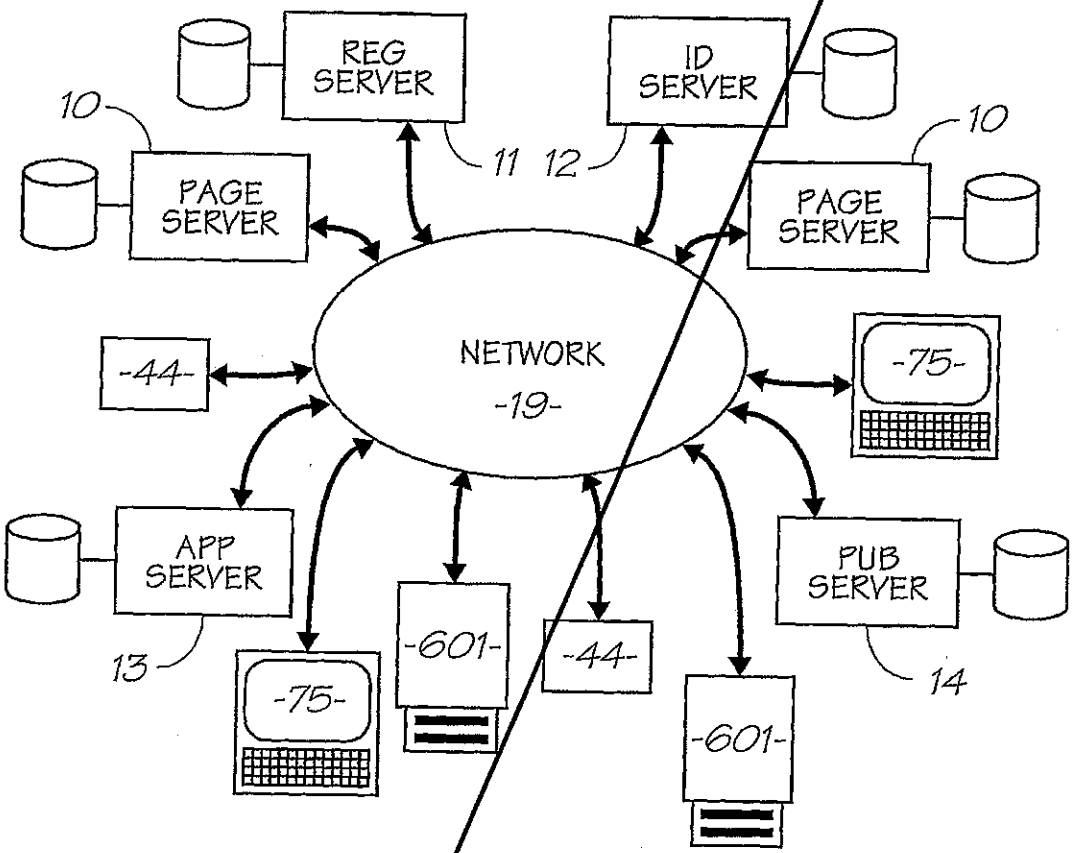

REG SERVER
ID SERVER
10
PAGE SERVER
11
12
10
PAGE SERVER
NETWORK
-19-
-44-
-75-
APP SERVER
13
-601-
-75-
-44-
-601-
PUB SERVER
14

FIG. 3

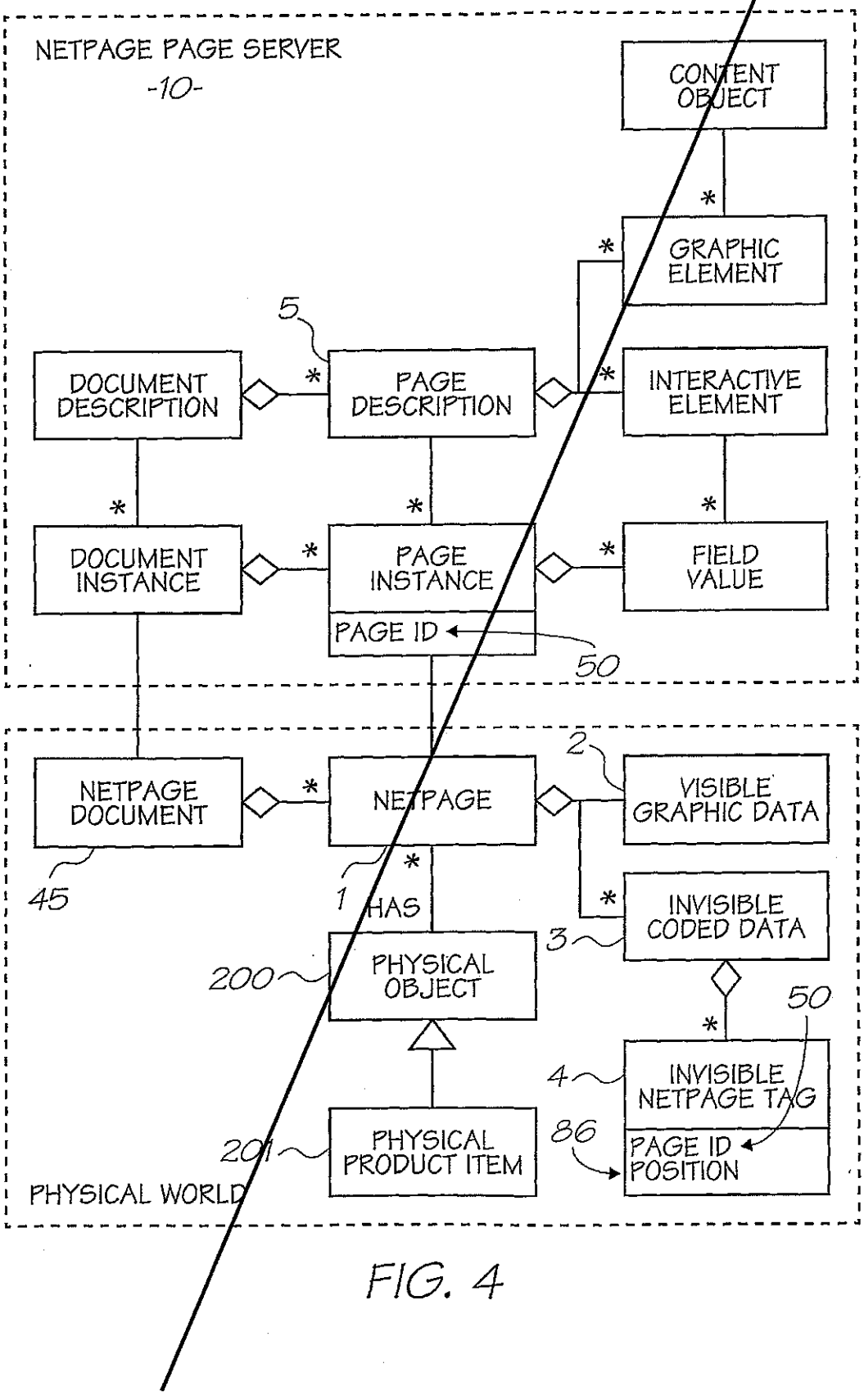

NETPAGE PAGE SERVER
-10-
CONTENT OBJECT
GRAPHIC ELEMENT
5
DOCUMENT DESCRIPTION
PAGE DESCRIPTION
INTERACTIVE ELEMENT
DOCUMENT INSTANCE
PAGE INSTANCE
FIELD VALUE
PAGE ID
50
2
NETPAGE DOCUMENT
NETPAGE
VISIBLE GRAPHIC DATA
45
1
HAS
INVISIBLE CODED DATA
3
200
PHYSICAL OBJECT
50
4
INVISIBLE NETPAGE TAG
86
PAGE ID POSITION
201
PHYSICAL PRODUCT ITEM
PHYSICAL WORLD

FIG. 4

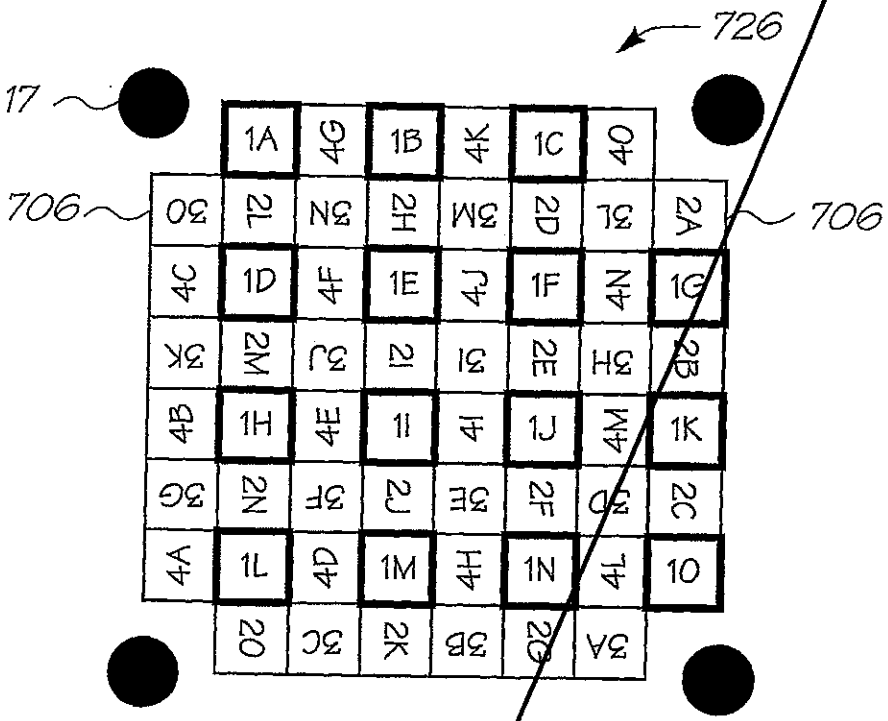

726
17
706
706
1A
4G
1B
4K
1C
4O
3O
2L
3N
2H
3M
2D
3L
2A
4C
1D
4F
1E
4J
1F
4N
1G
3K
2M
3J
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2E
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2B
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4E
1I
4I
1J
4M
1K
3G
2N
3F
2J
3E
2F
3D
2C
4A
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1M
4H
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4L
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2O
3C
2K
3B
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3A

FIG. 5A

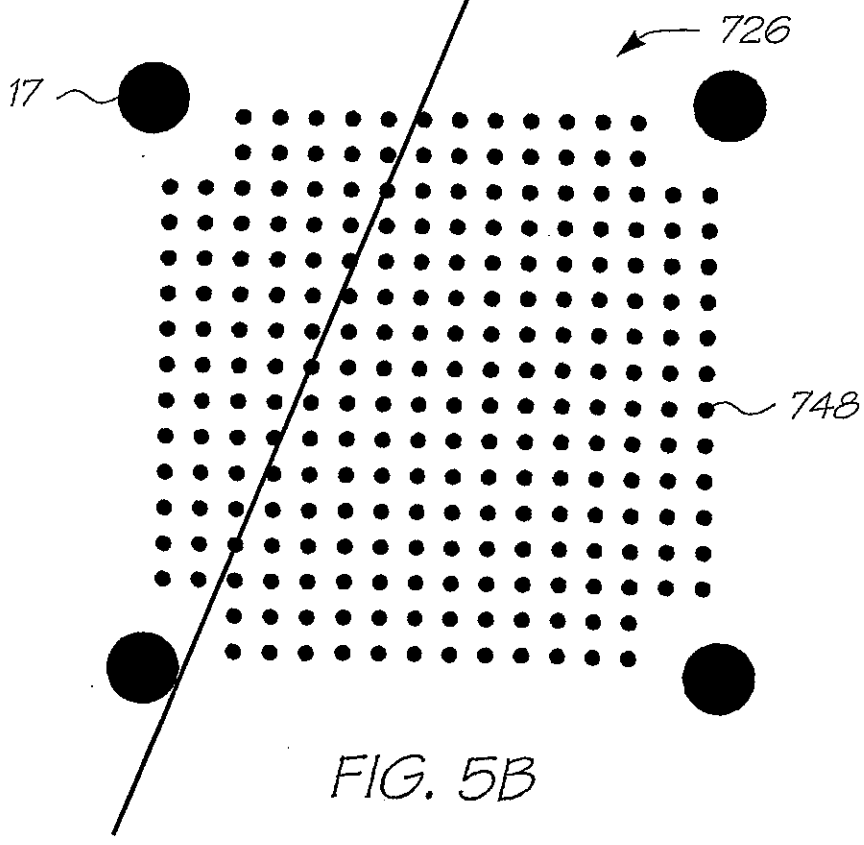

726
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748

FIG. 5B

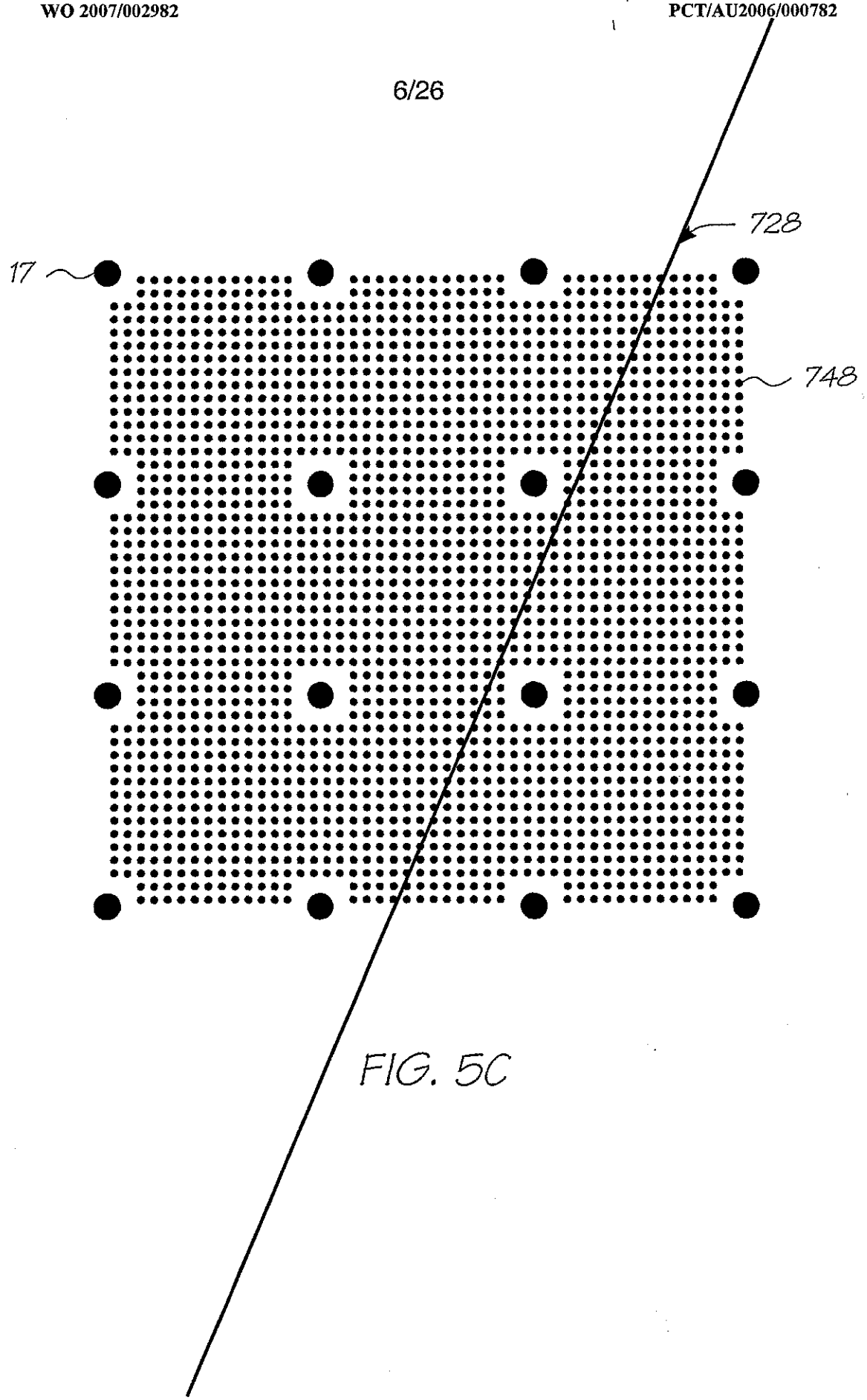


FIG. 5C

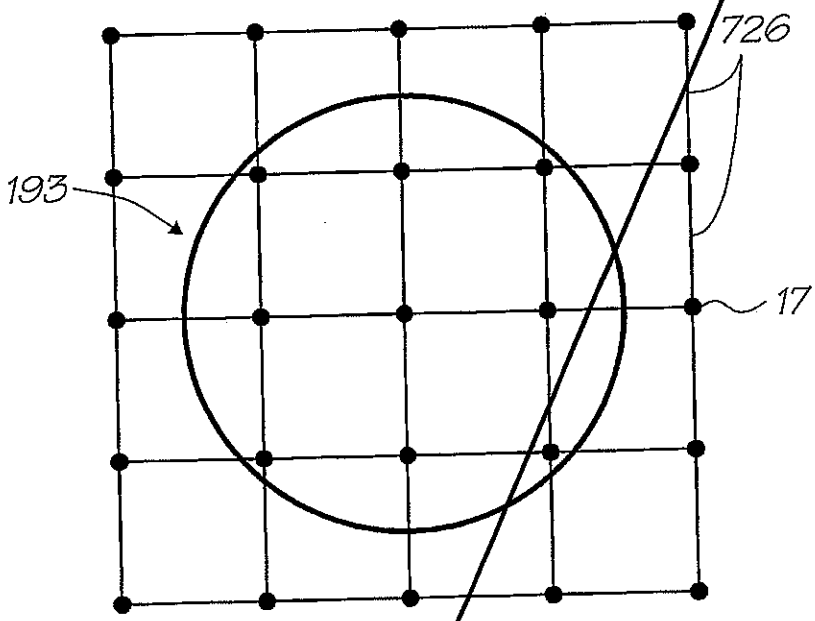


FIG. 5D

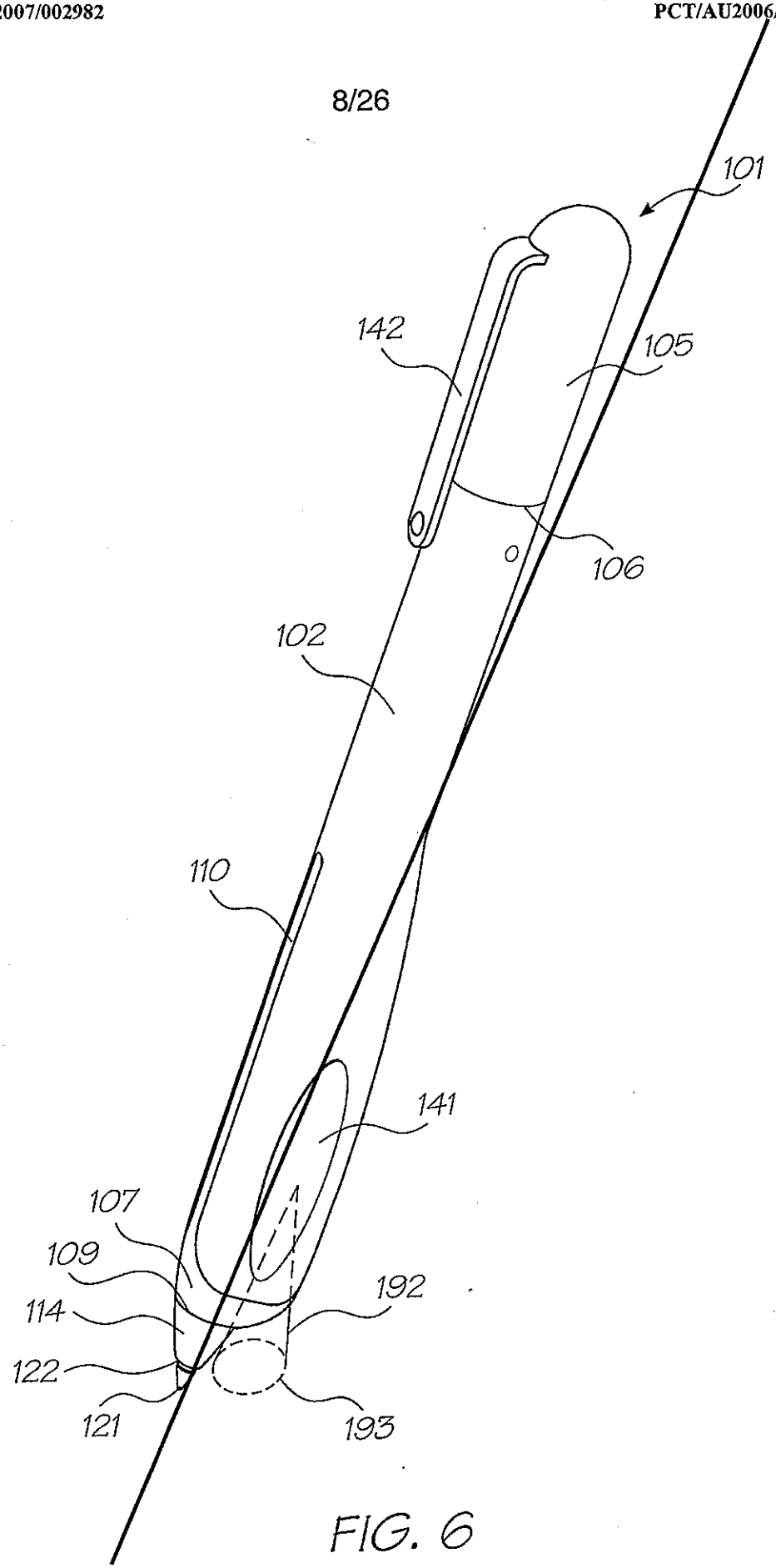


FIG. 6

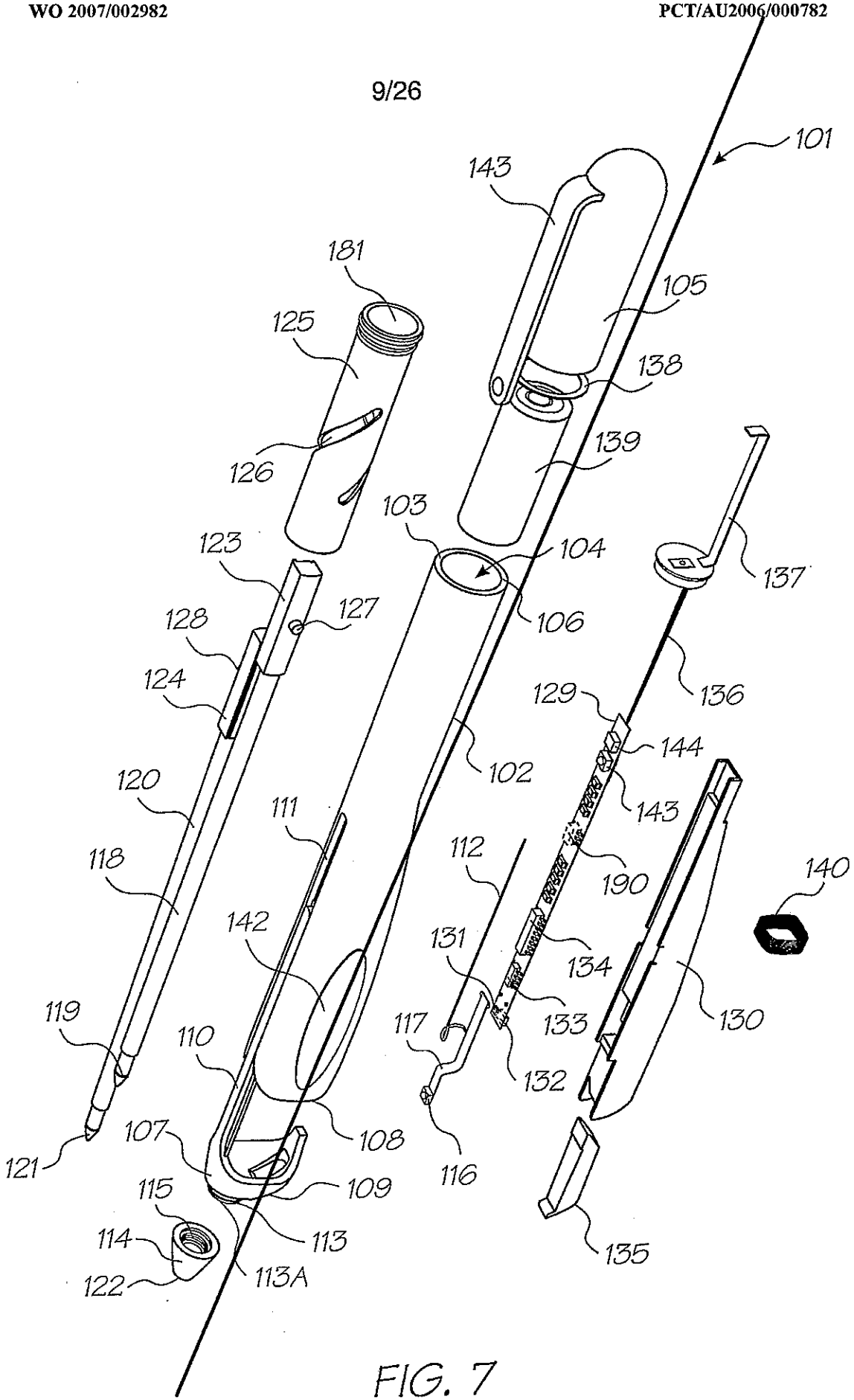

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135
122
113A

FIG. 7

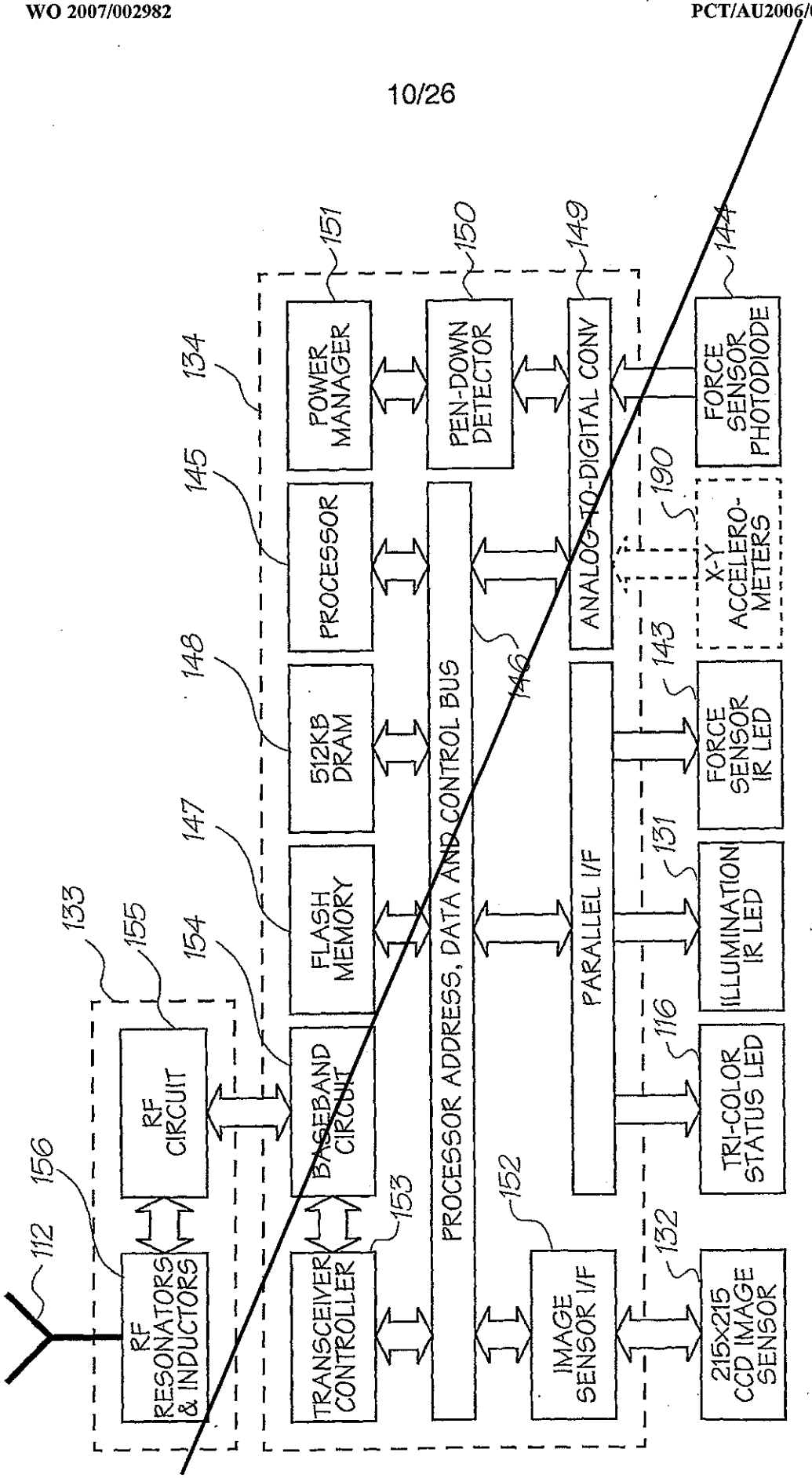

112
156
RF RESONATORS & INDUCTORS
RF CIRCUIT
155
133
154
BASEBAND CIRCUIT
TRANSCEIVER CONTROLLER
153
147
FLASH MEMORY
148
512KB DRAM
145
PROCESSOR
134
151
POWER MANAGER
PROCESSOR ADDRESS, DATA AND CONTROL BUS
146
152
IMAGE SENSOR I/F
132
215x215 CCD IMAGE SENSOR
PARALLEL I/F
131
ILLUMINATION IR LED
116
TRI-COLOR STATUS LED
143
FORCE SENSOR IR LED
150
PEN-DOWN DETECTOR
149
ANALOG-TO-DIGITAL CONV
190
X-Y ACCELERO-METERS
144
FORCE SENSOR PHOTODIODE

FIG. 8

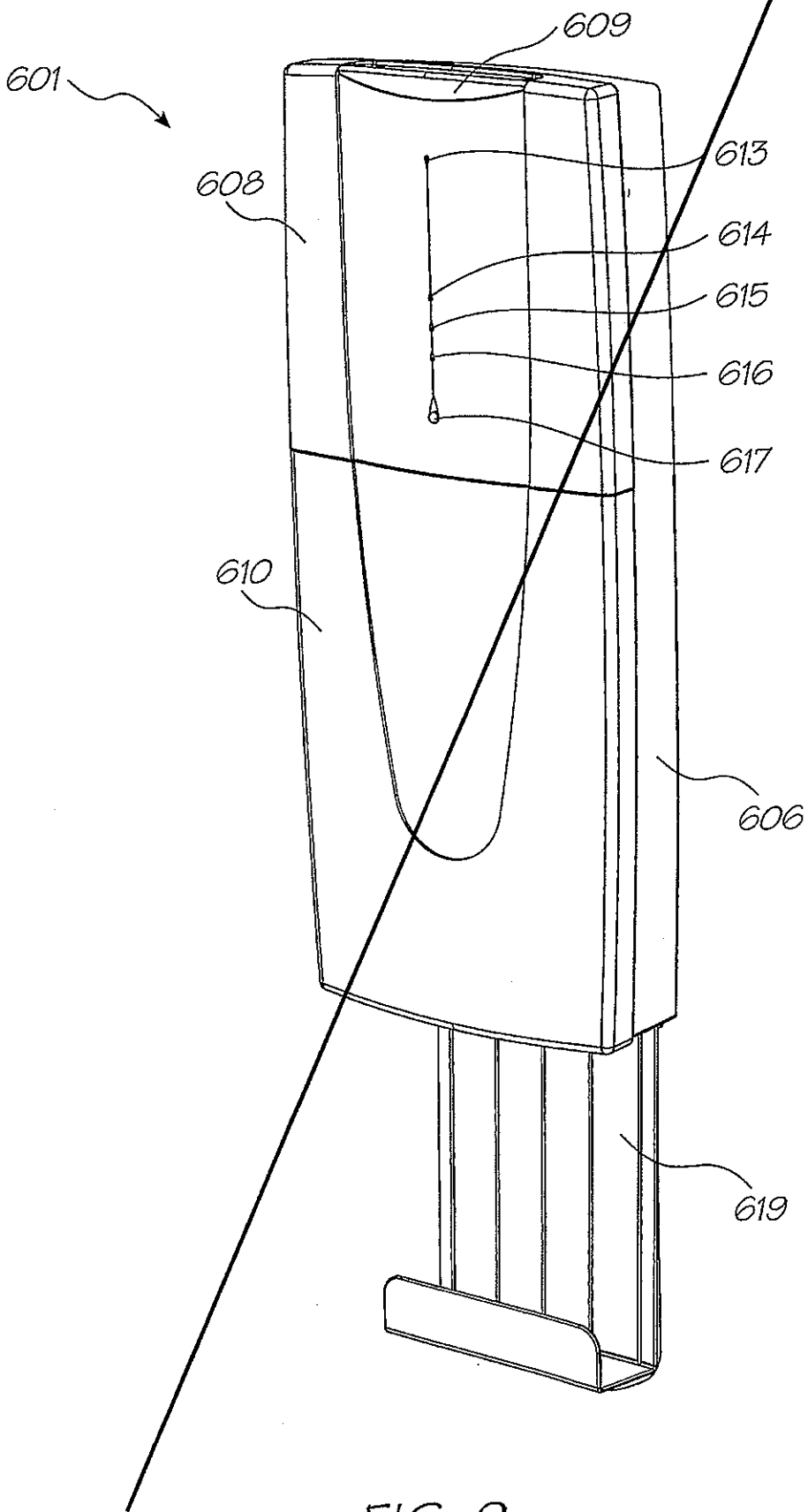


FIG. 9

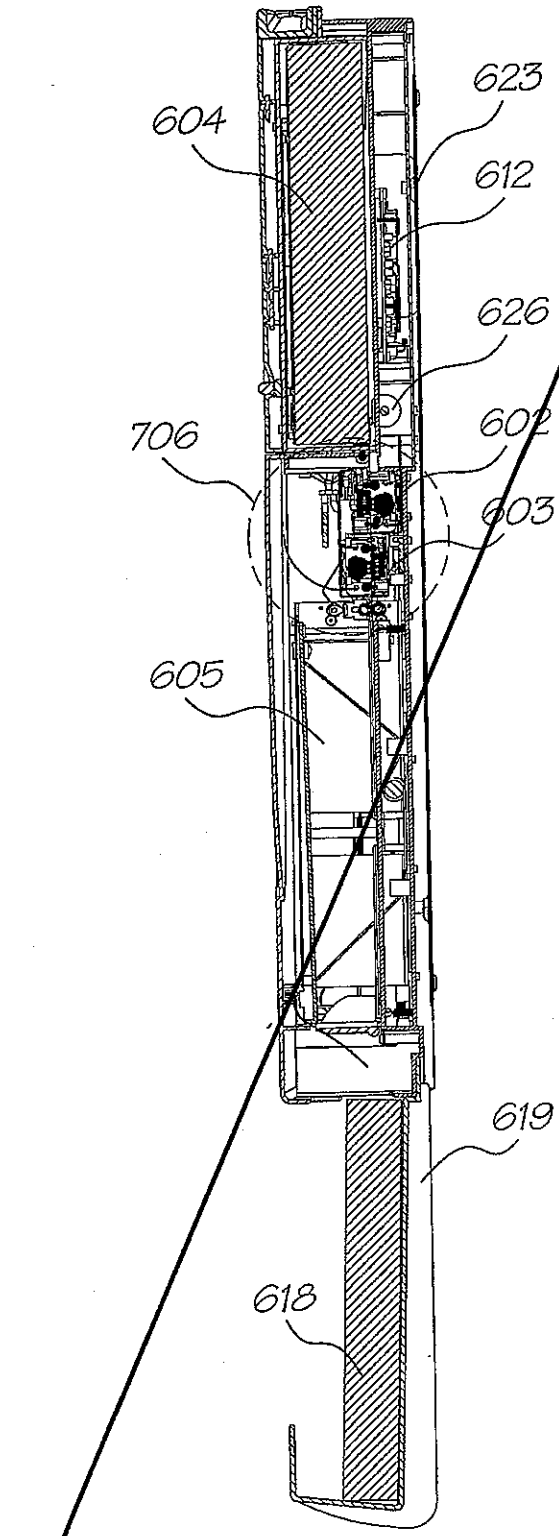


FIG. 10

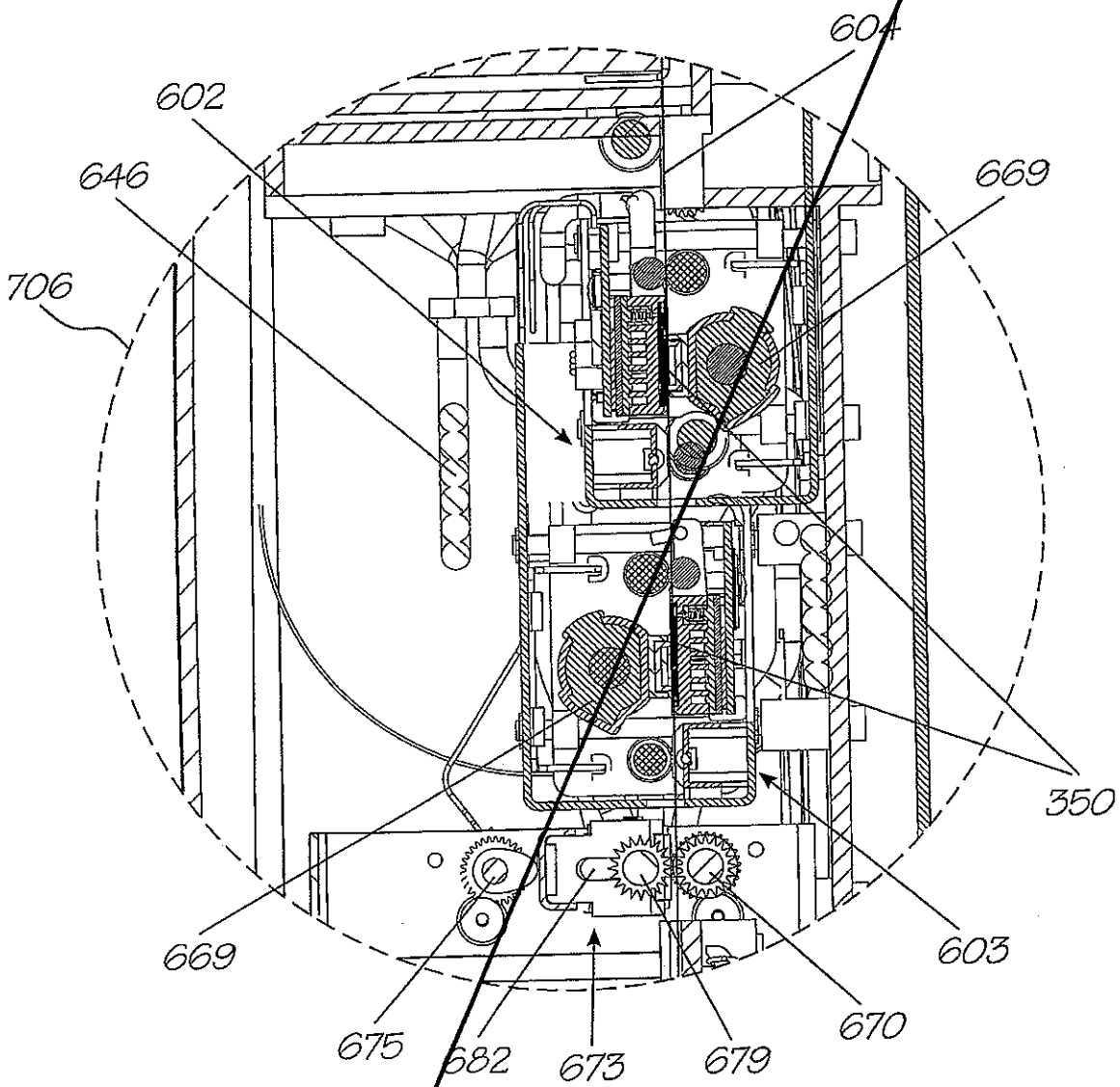


FIG. 10A

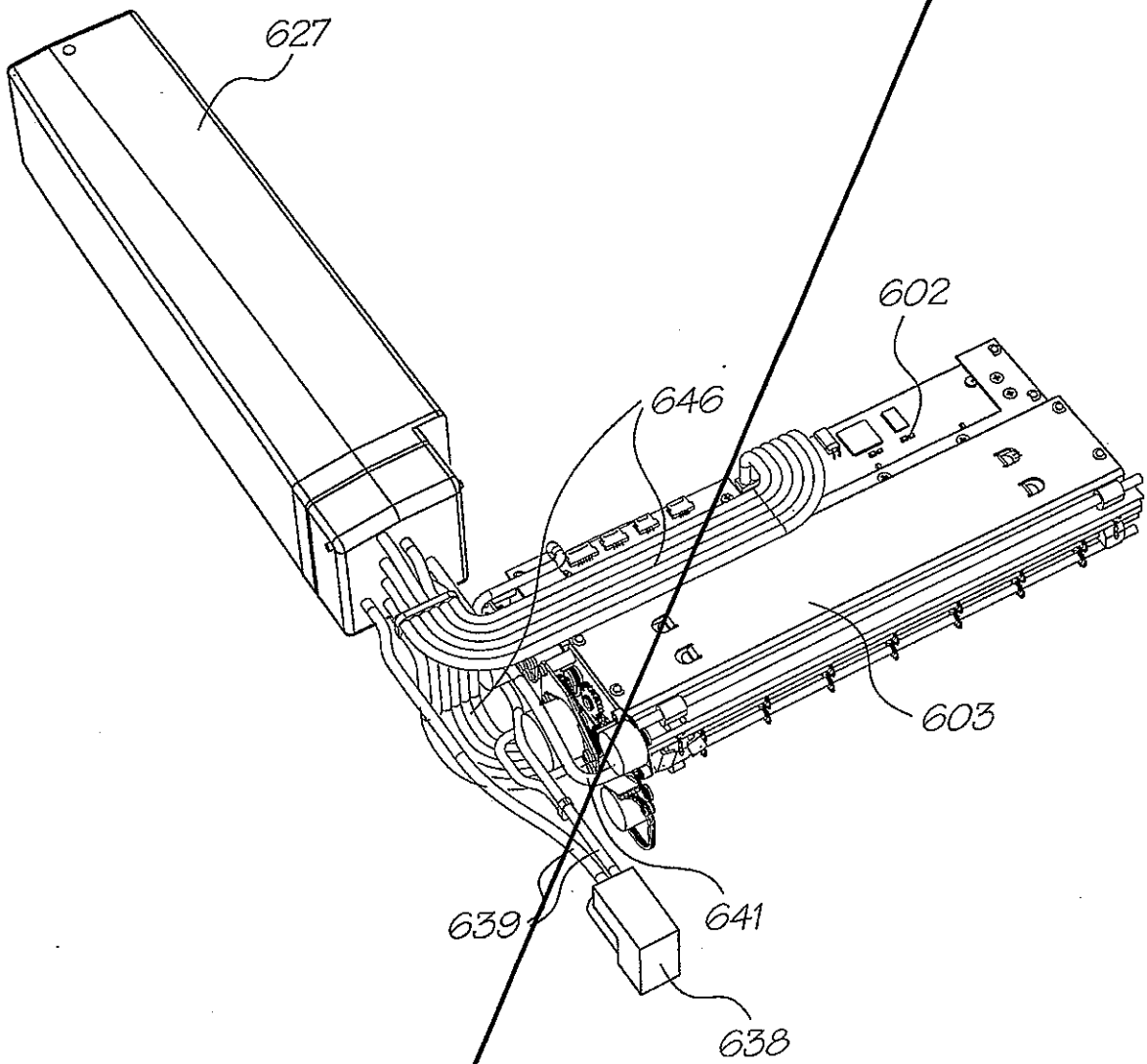


FIG. 11

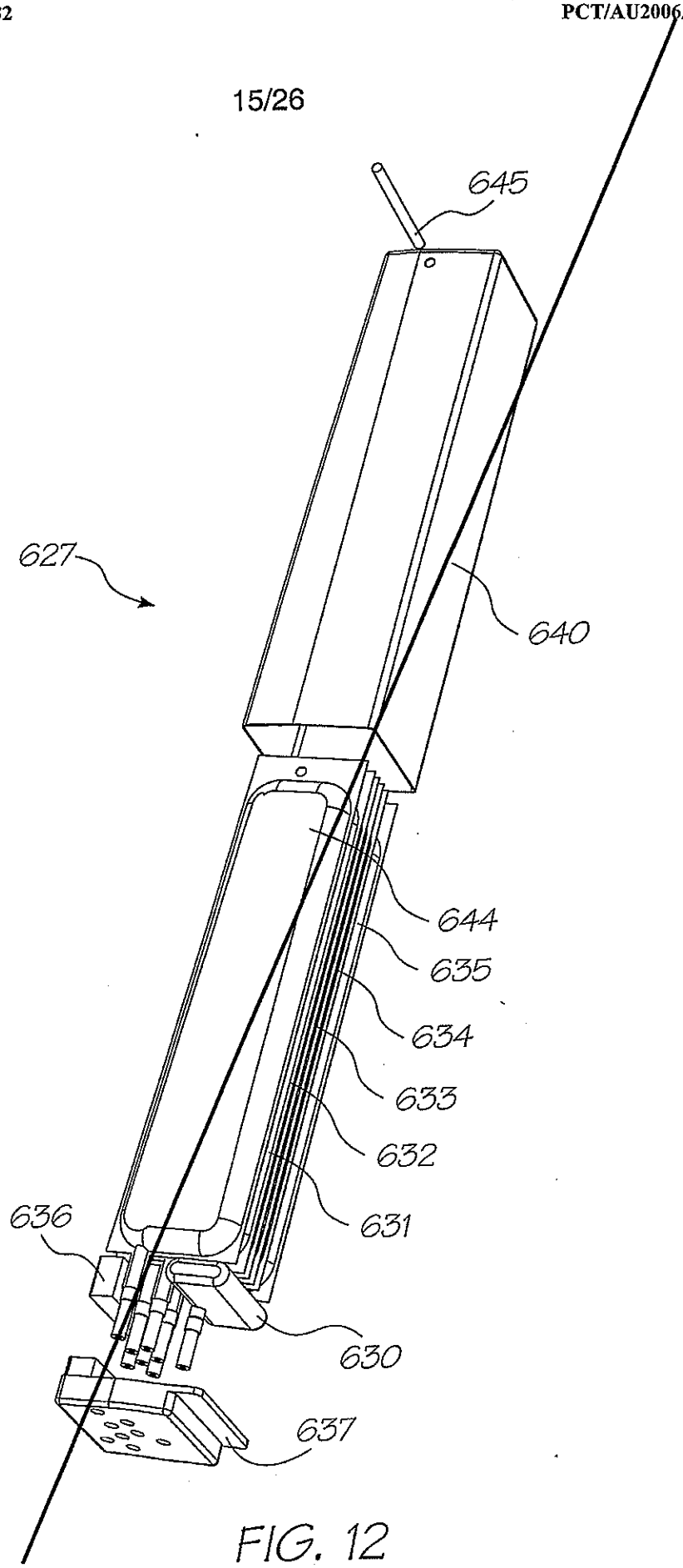


FIG. 12

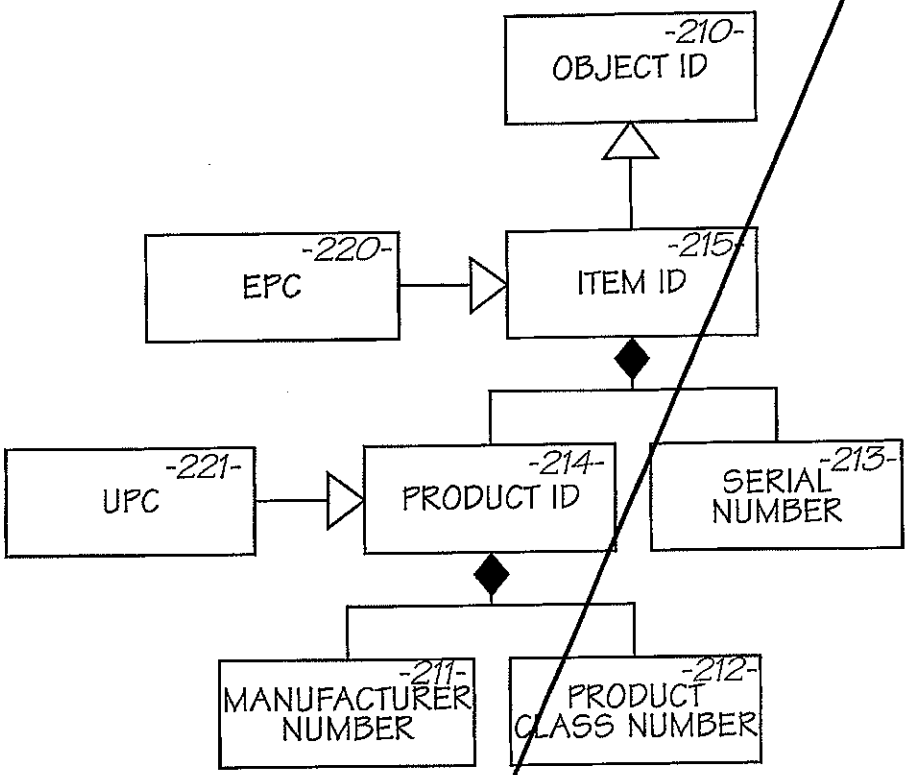

-210-
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-220-
EPC
-215-
ITEM ID
-221-
UPC
-214-
PRODUCT ID
-213-
SERIAL NUMBER
-211-
MANUFACTURER NUMBER
-212-
PRODUCT CLASS NUMBER

FIG. 13

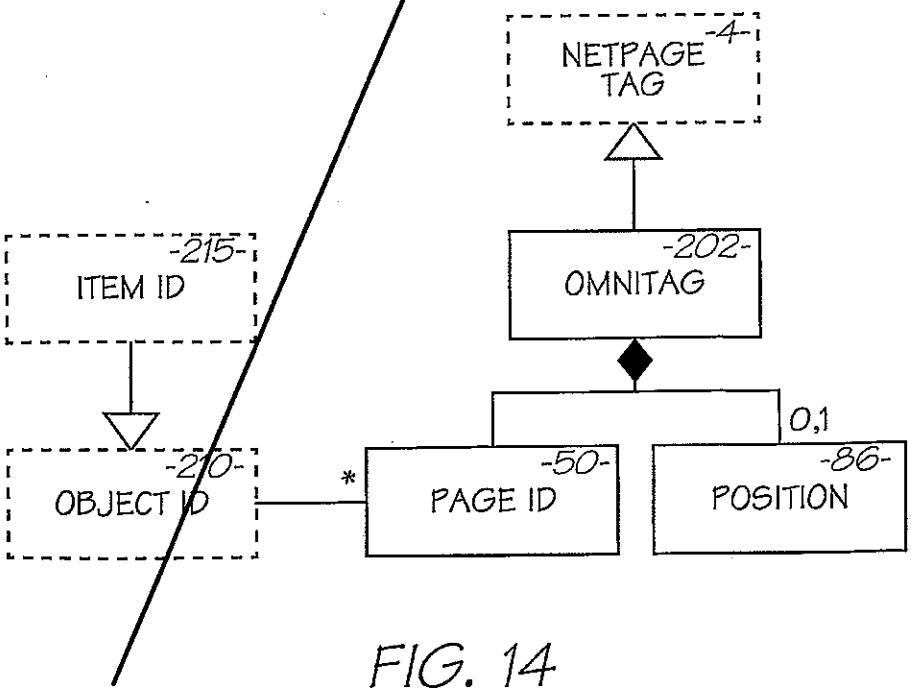

-4-
NETPAGE TAG
-215-
ITEM ID
-202-
OMNITAG
0,1
-210-
OBJECT ID
*
-50-
PAGE ID
-86-
POSITION

FIG. 14

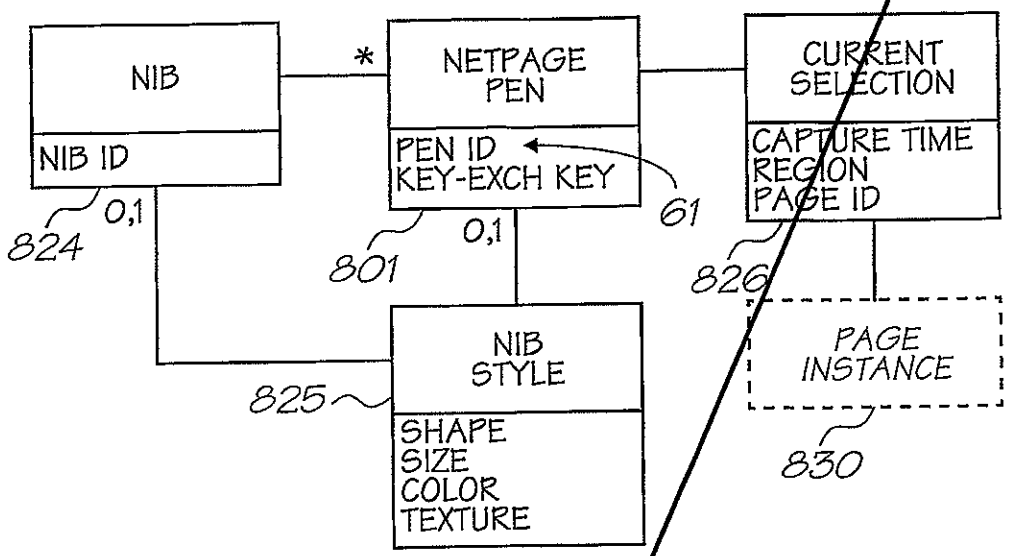

NIB
NIB ID
*
NETPAGE PEN
PEN ID
KEY-EXCH KEY
CURRENT SELECTION
CAPTURE TIME
REGION
PAGE ID
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824
0,1
801
61
826
NIB STYLE
825
SHAPE
SIZE
COLOR
TEXTURE
PAGE INSTANCE
830

FIG. 15

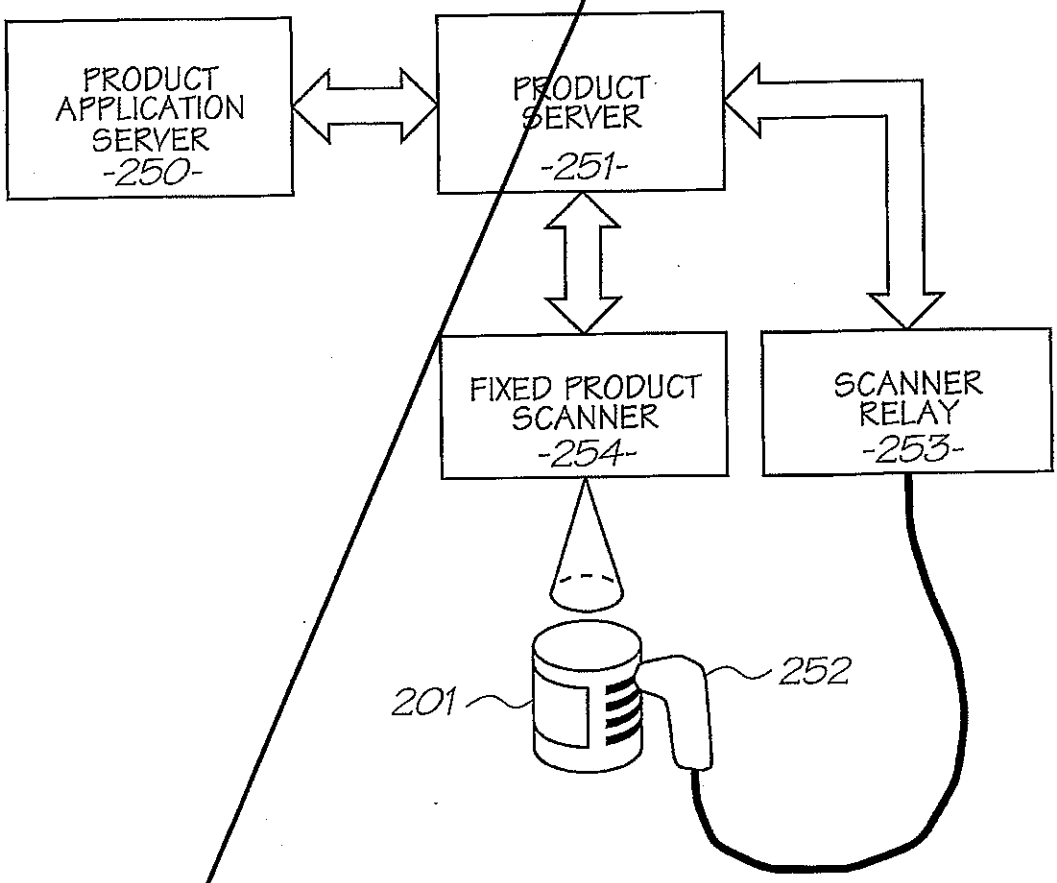

PRODUCT APPLICATION SERVER -250-
PRODUCT SERVER -251-
FIXED PRODUCT SCANNER -254-
SCANNER RELAY -253-
201
252

FIG. 16

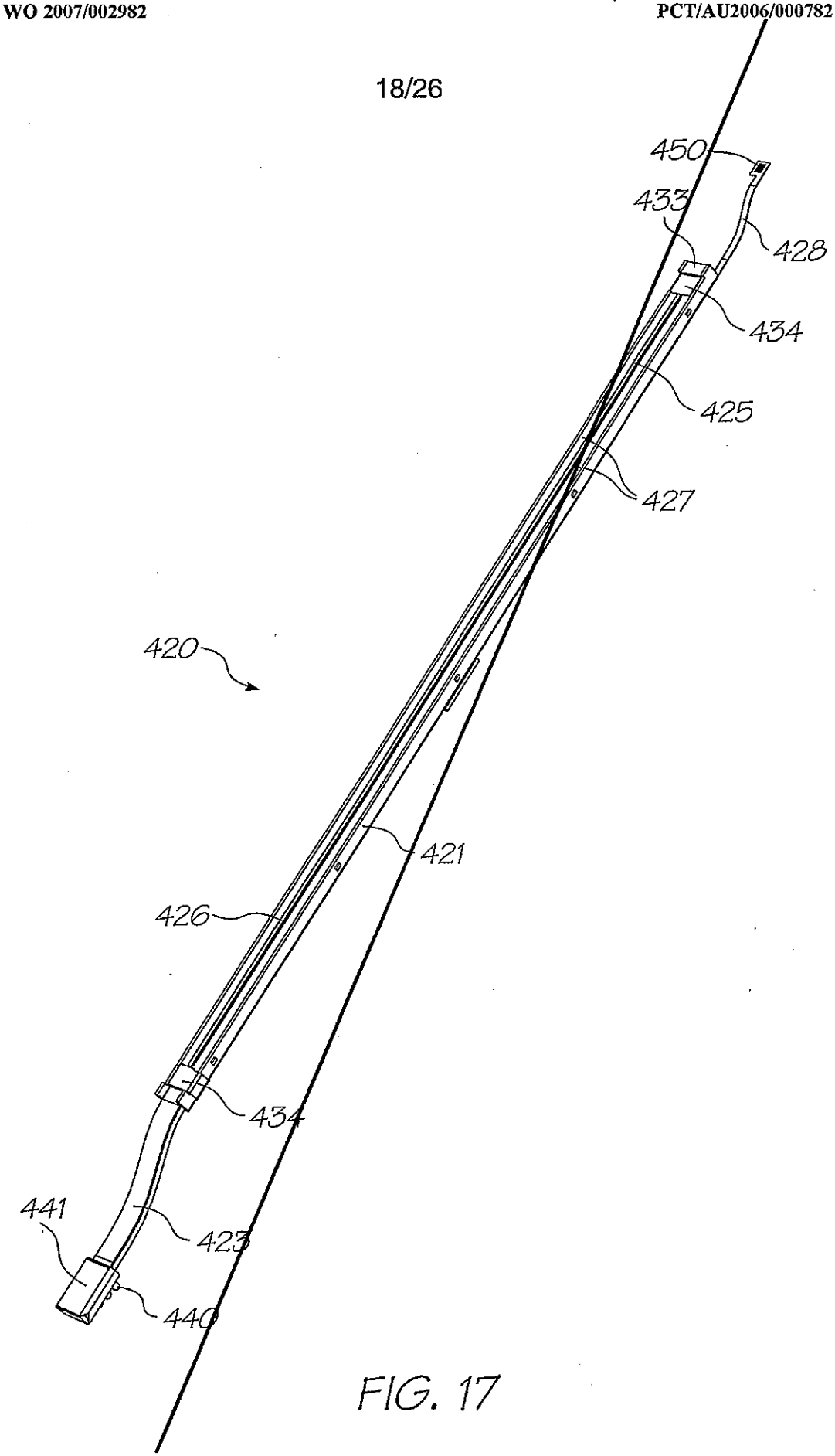


FIG. 17

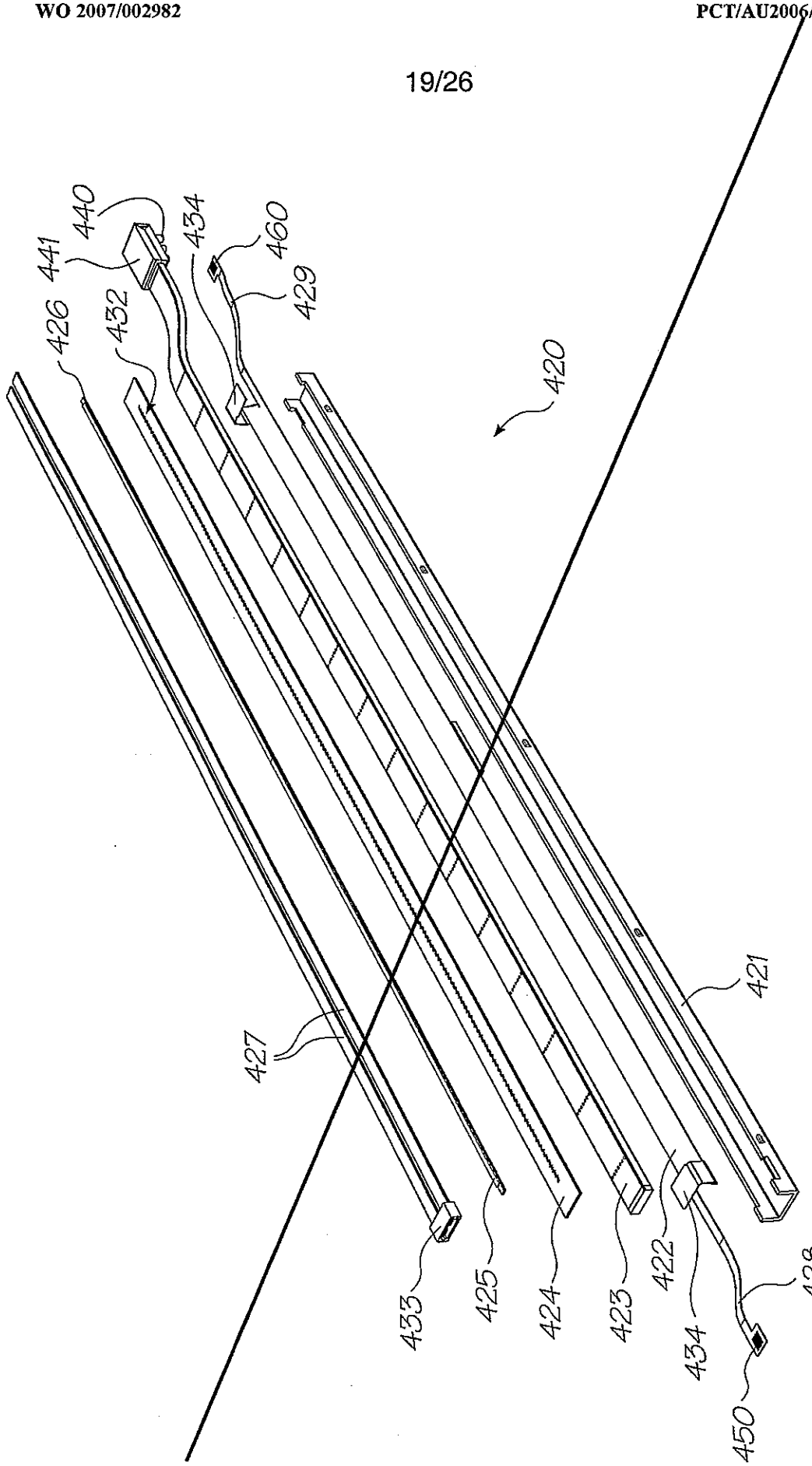

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428
434
450

FIG. 18

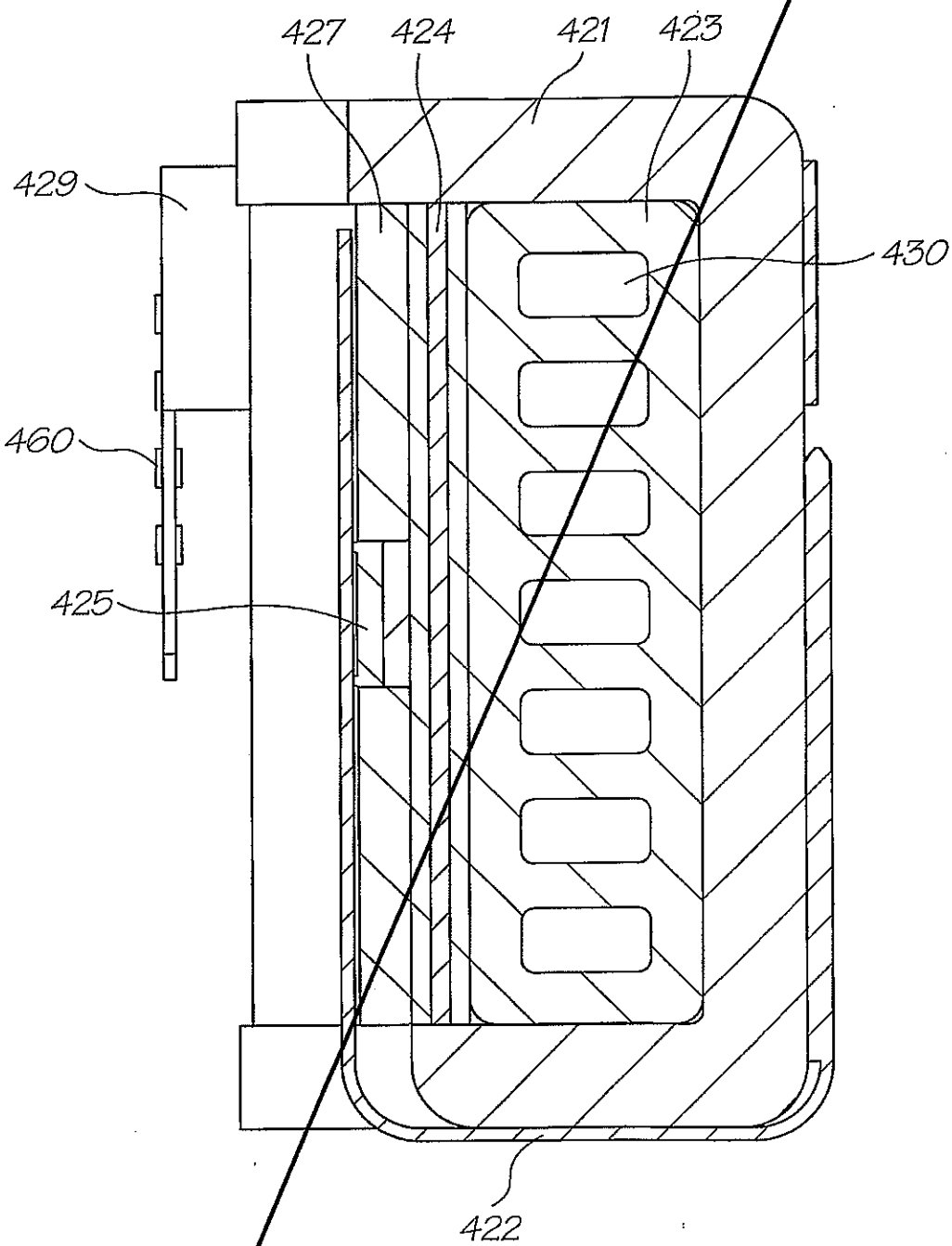


FIG. 19

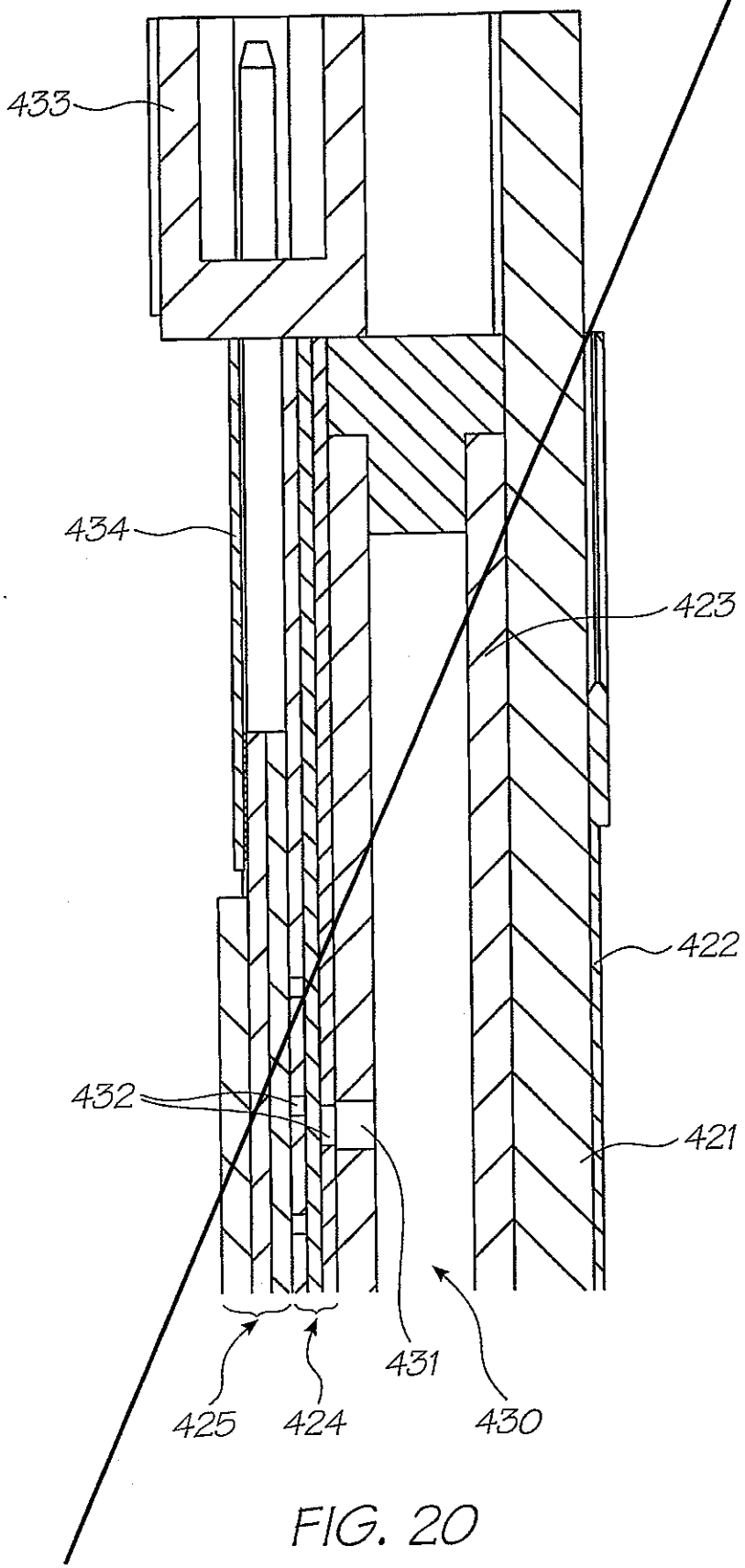


FIG. 20

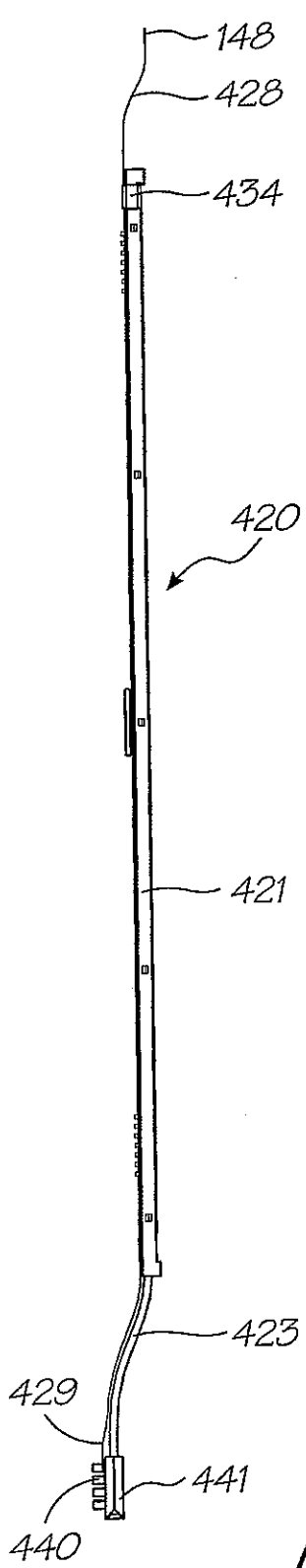


FIG. 21(A)

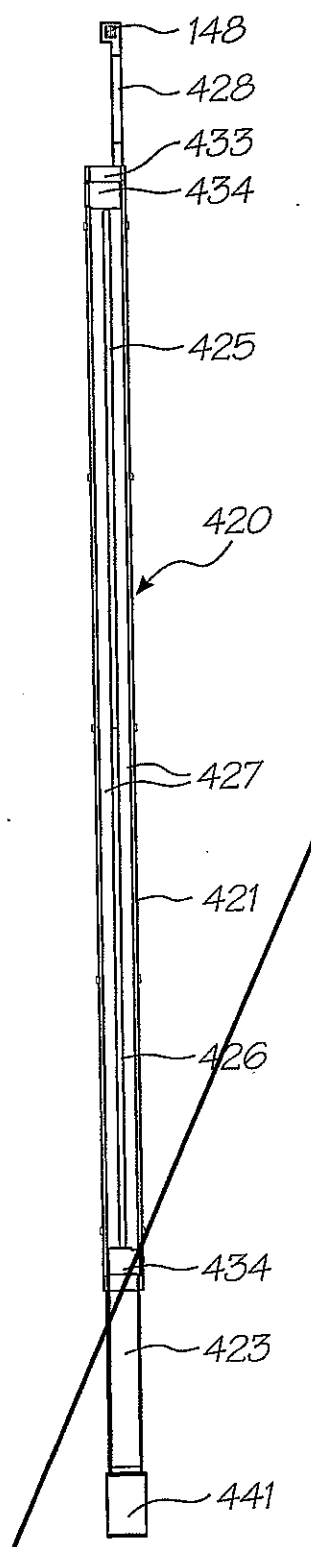


FIG. 21(B)

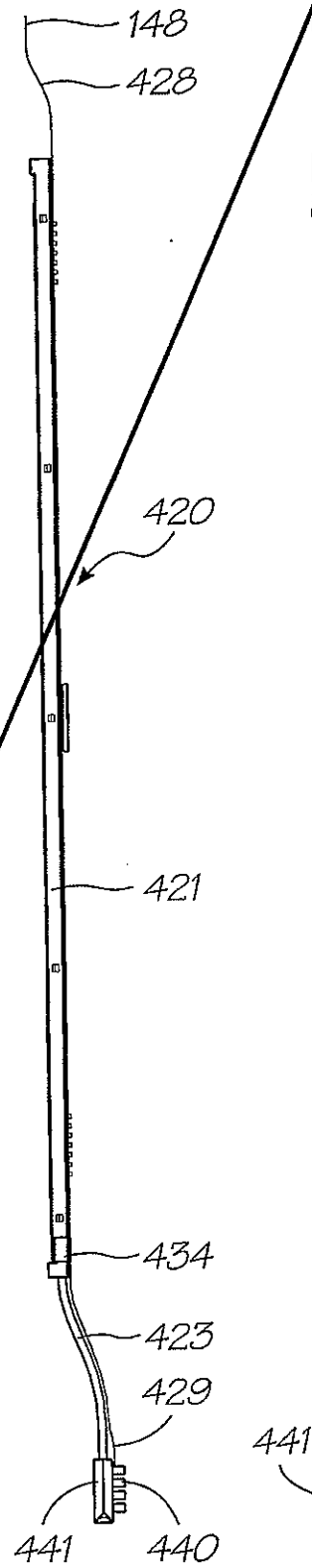


FIG. 21(C)

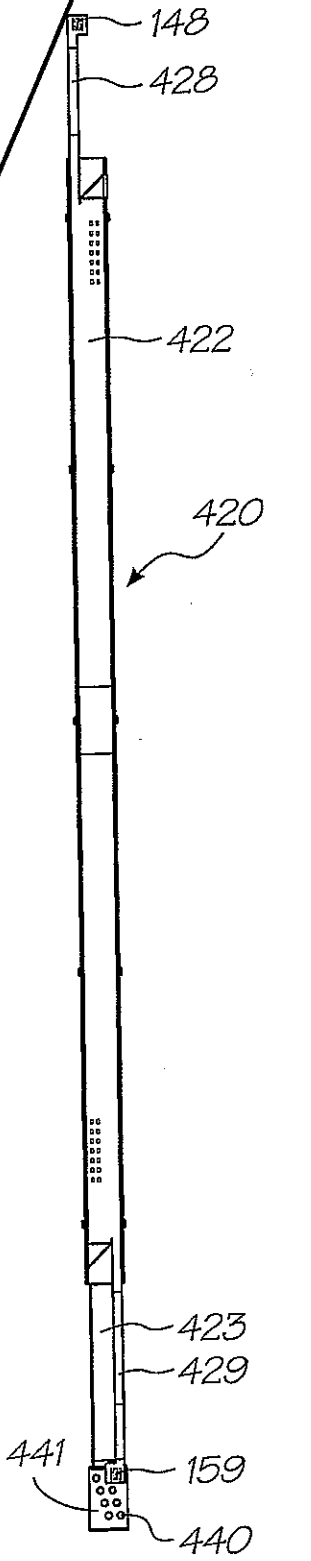


FIG. 21(D)

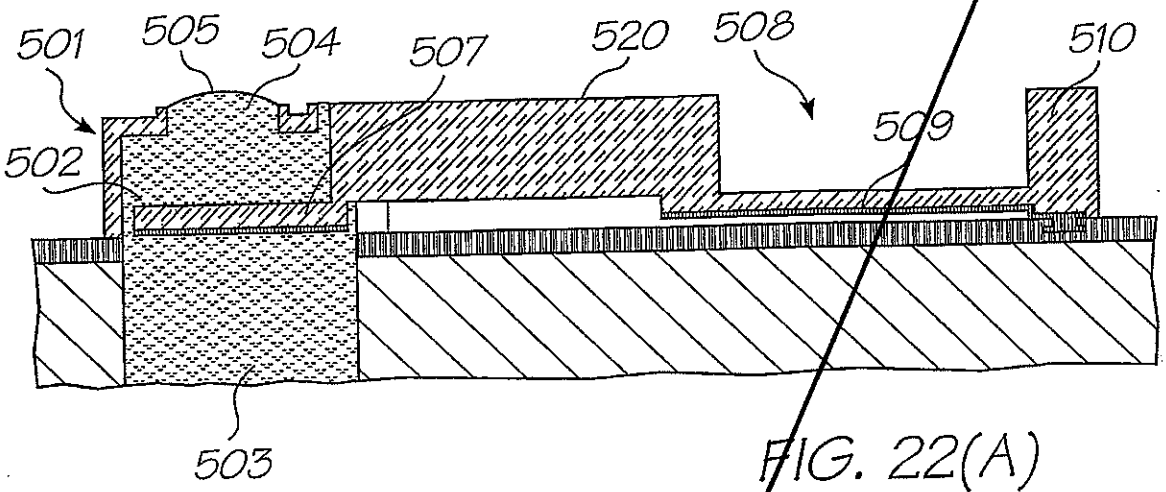


FIG. 22(A)

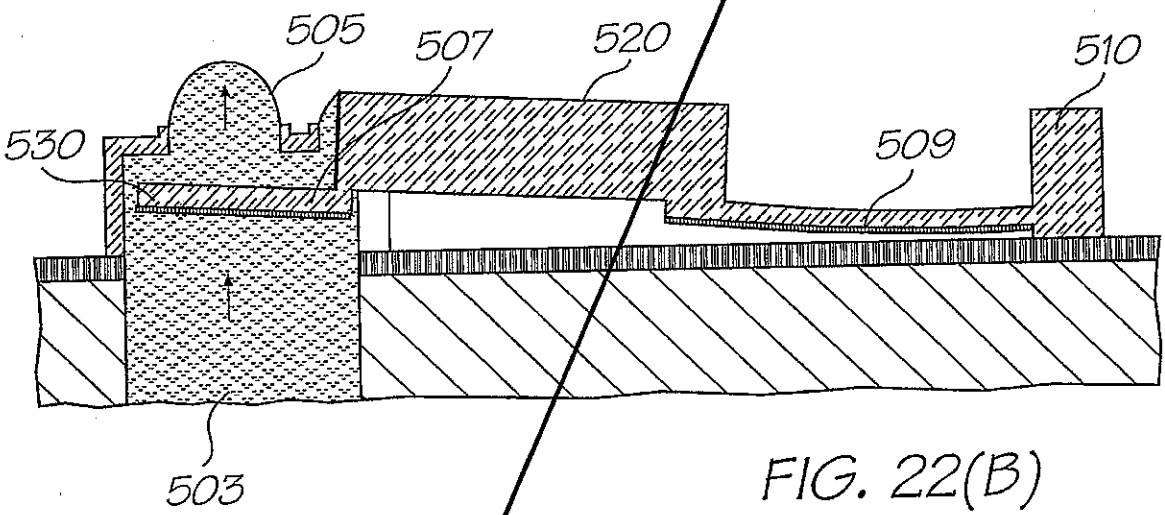


FIG. 22(B)

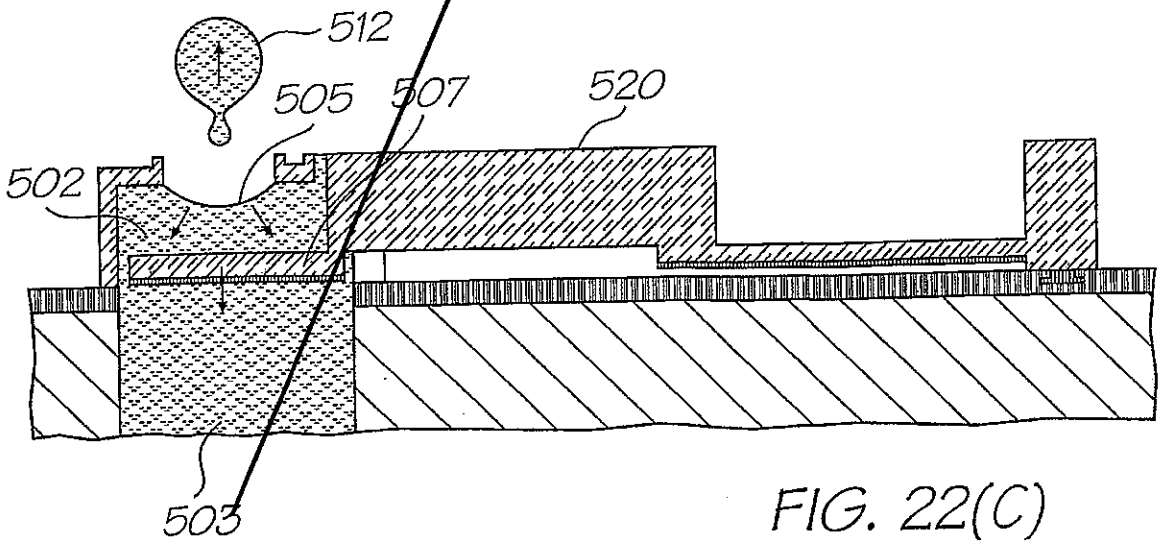


FIG. 22(C)

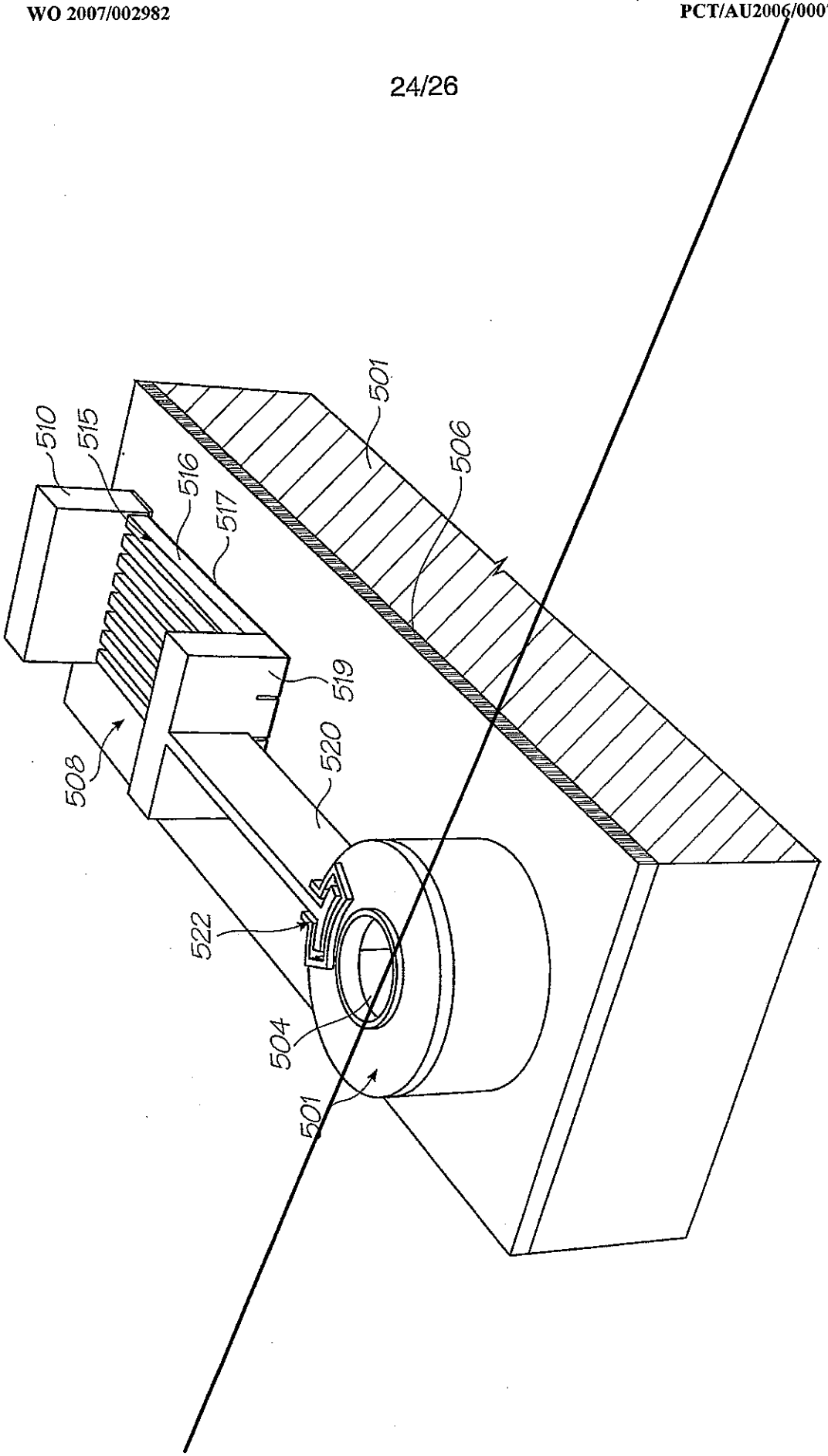


FIG. 23

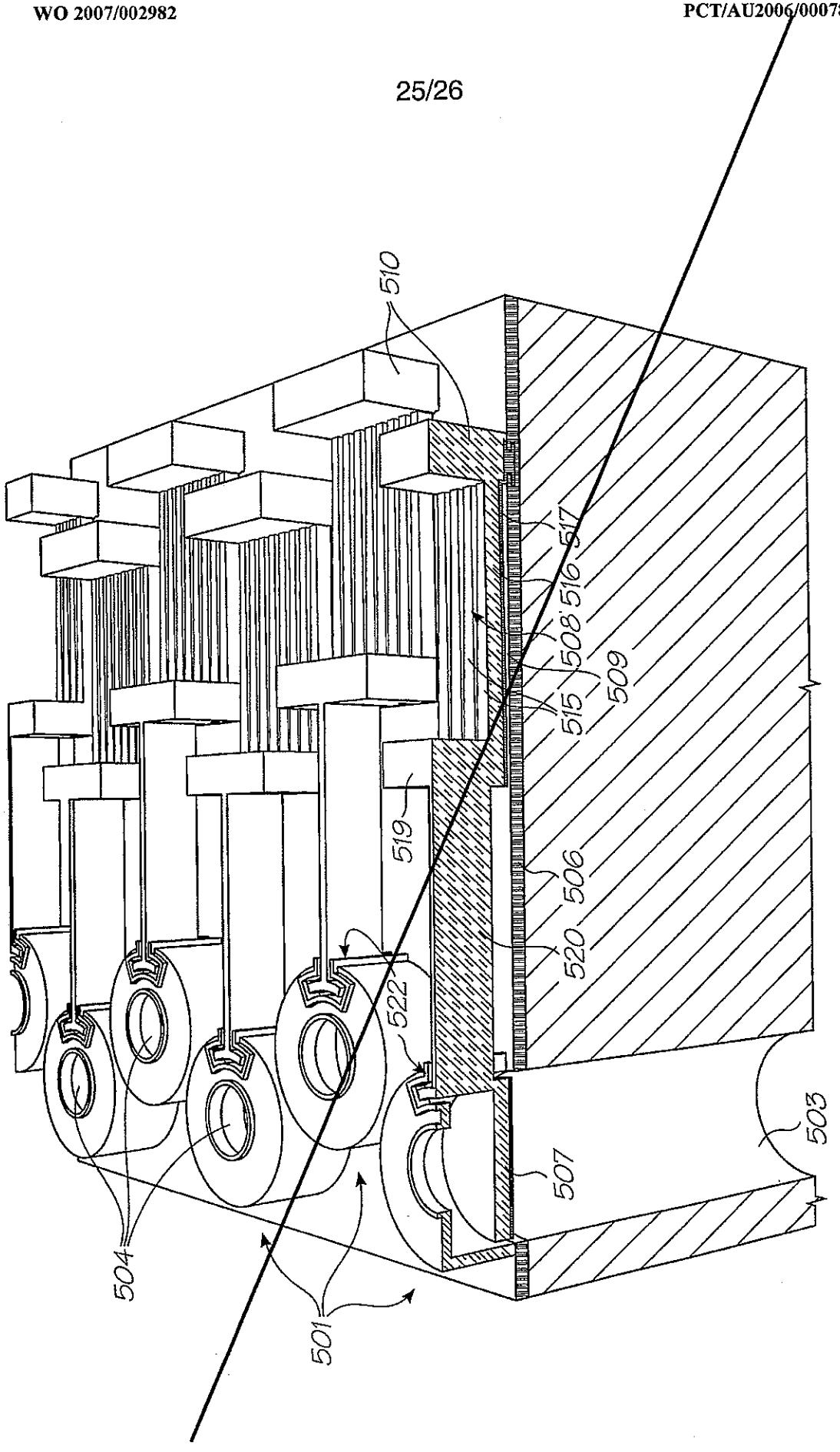


FIG. 24

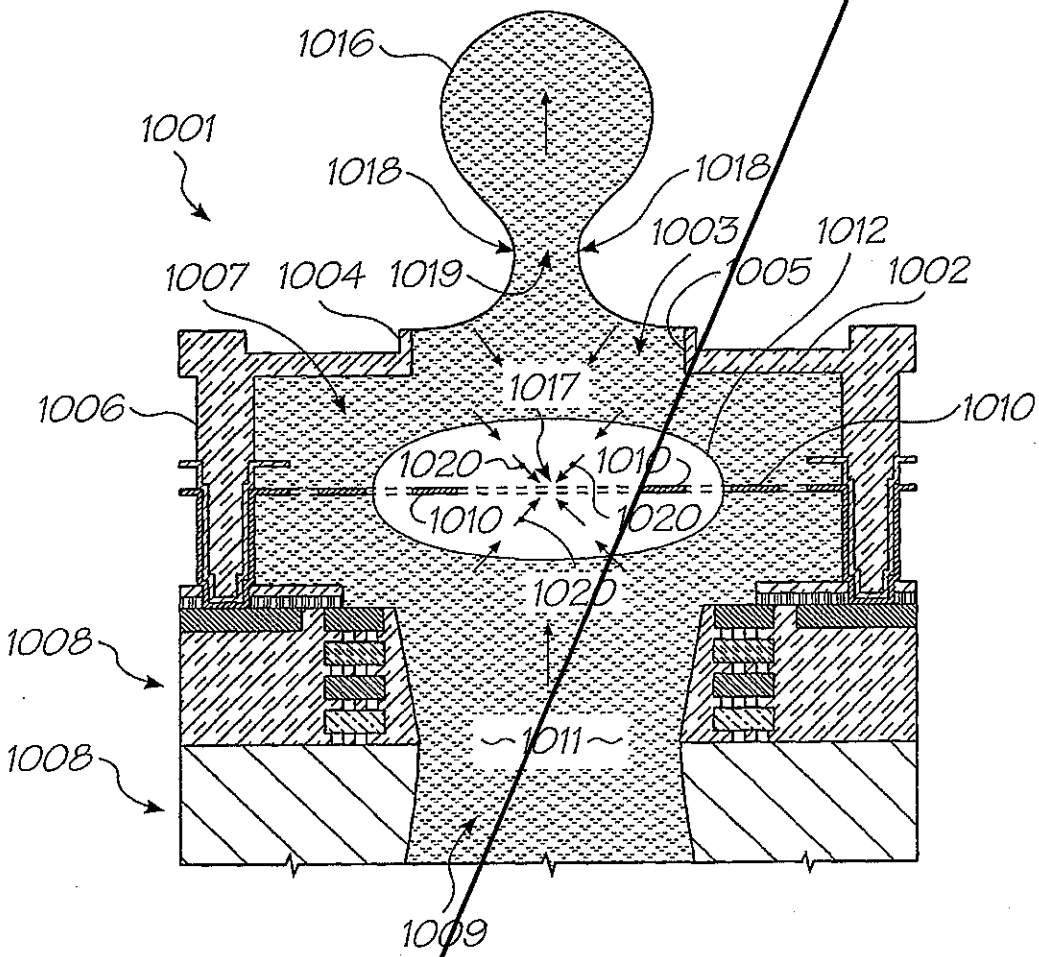

1016
1001
1018
1018
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1007
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1008
1011
1008
1009

FIG. 25

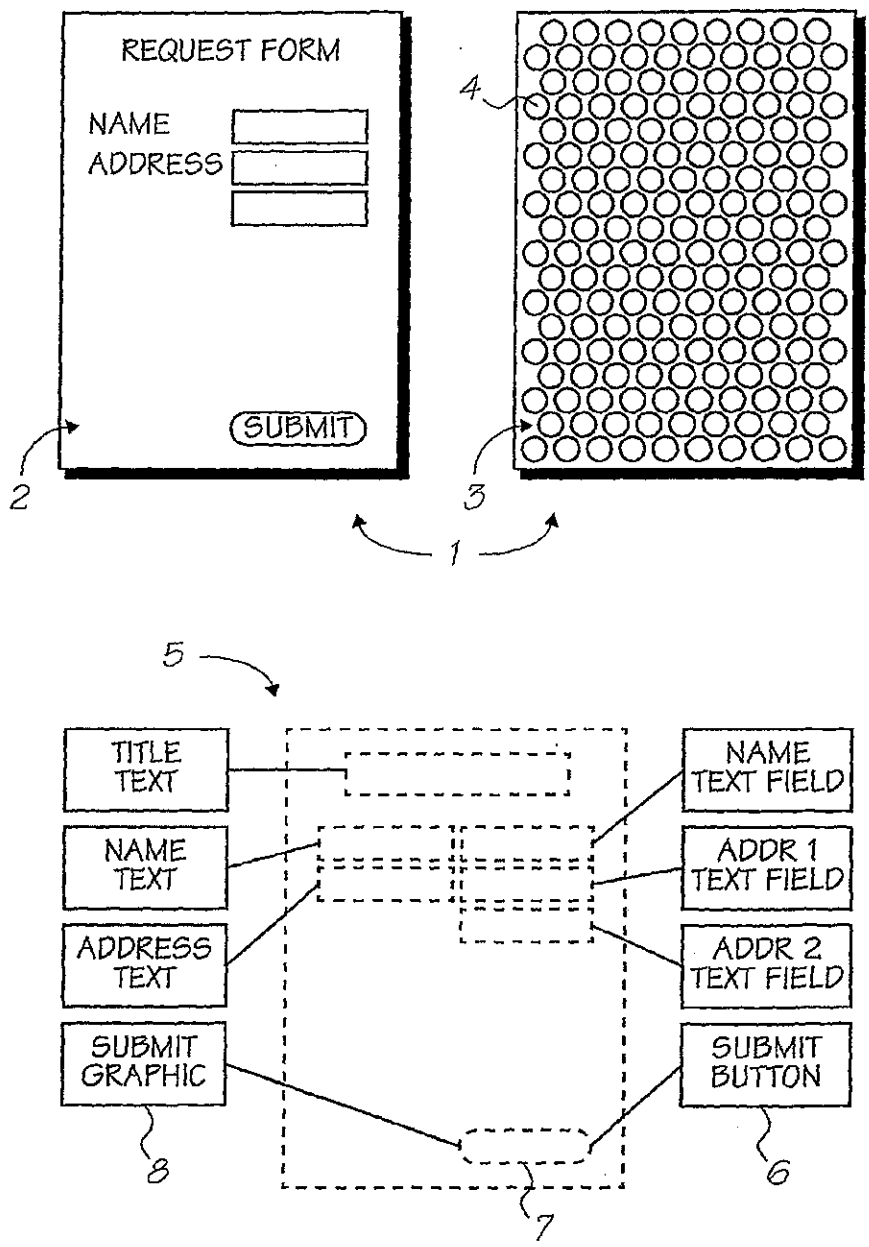

REQUEST FORM
NAME
ADDRESS
SUBMIT
2
3
4
1
5
TITLE TEXT
NAME TEXT
ADDRESS TEXT
SUBMIT GRAPHIC
NAME TEXT FIELD
ADDR 1 TEXT FIELD
ADDR 2 TEXT FIELD
SUBMIT BUTTON
8
7
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FIG. 1

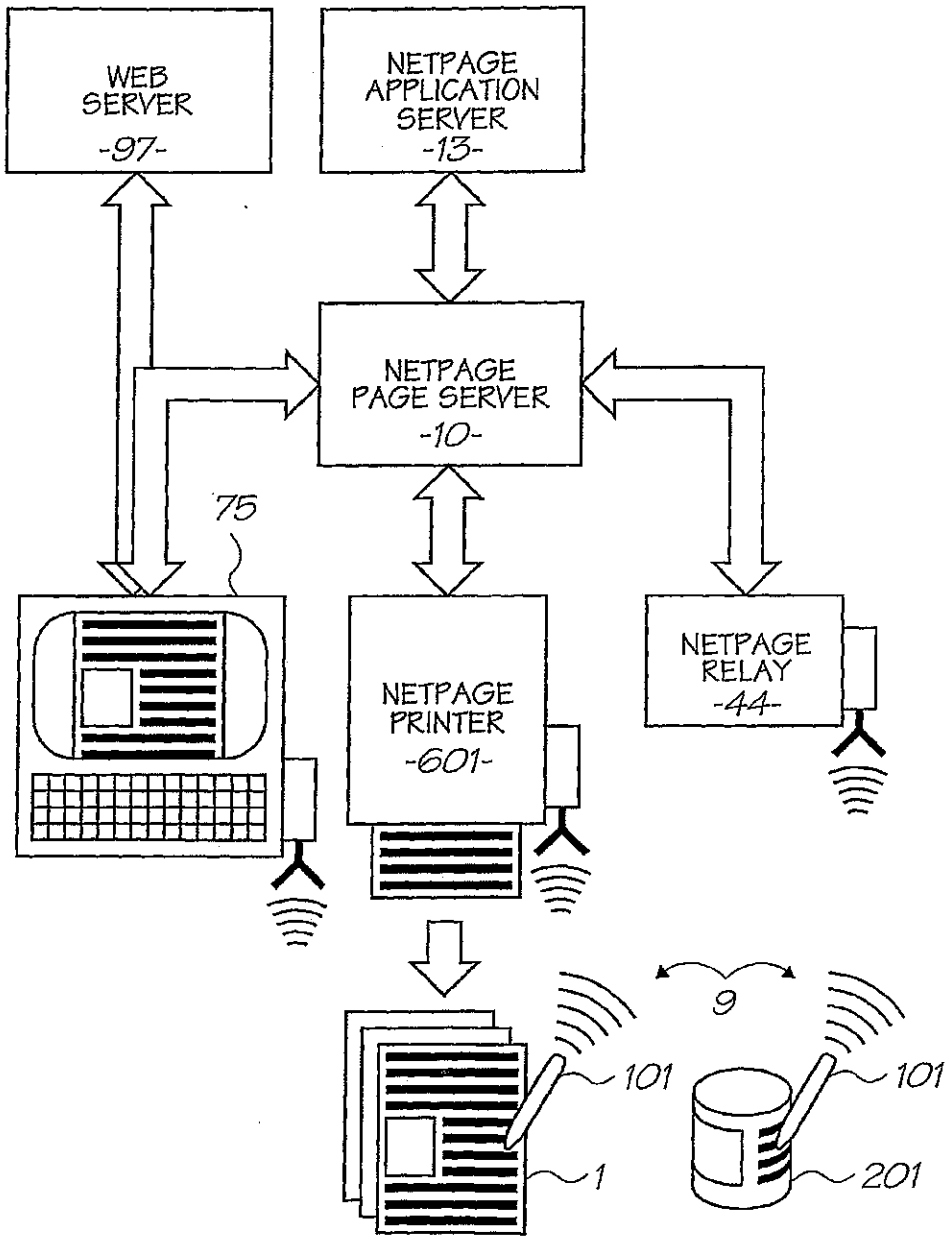

WEB SERVER -97-
NETPAGE APPLICATION SERVER -13-
NETPAGE PAGE SERVER -10-
75
NETPAGE PRINTER -601-
NETPAGE RELAY -44-
9
101
101
1
201

FIG. 2

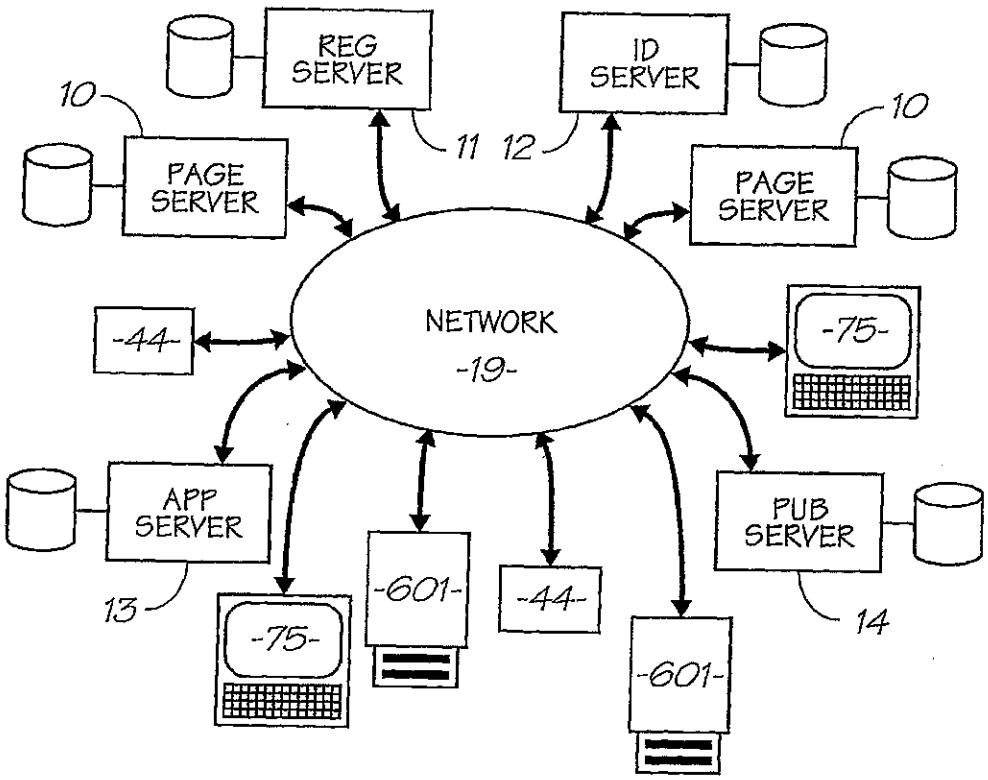

REG SERVER
ID SERVER
10
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PAGE SERVER
PAGE SERVER
NETWORK
-19-
-44-
-75-
APP SERVER
PUB SERVER
13
14
-75-
-601-
-44-
-601-

FIG. 3

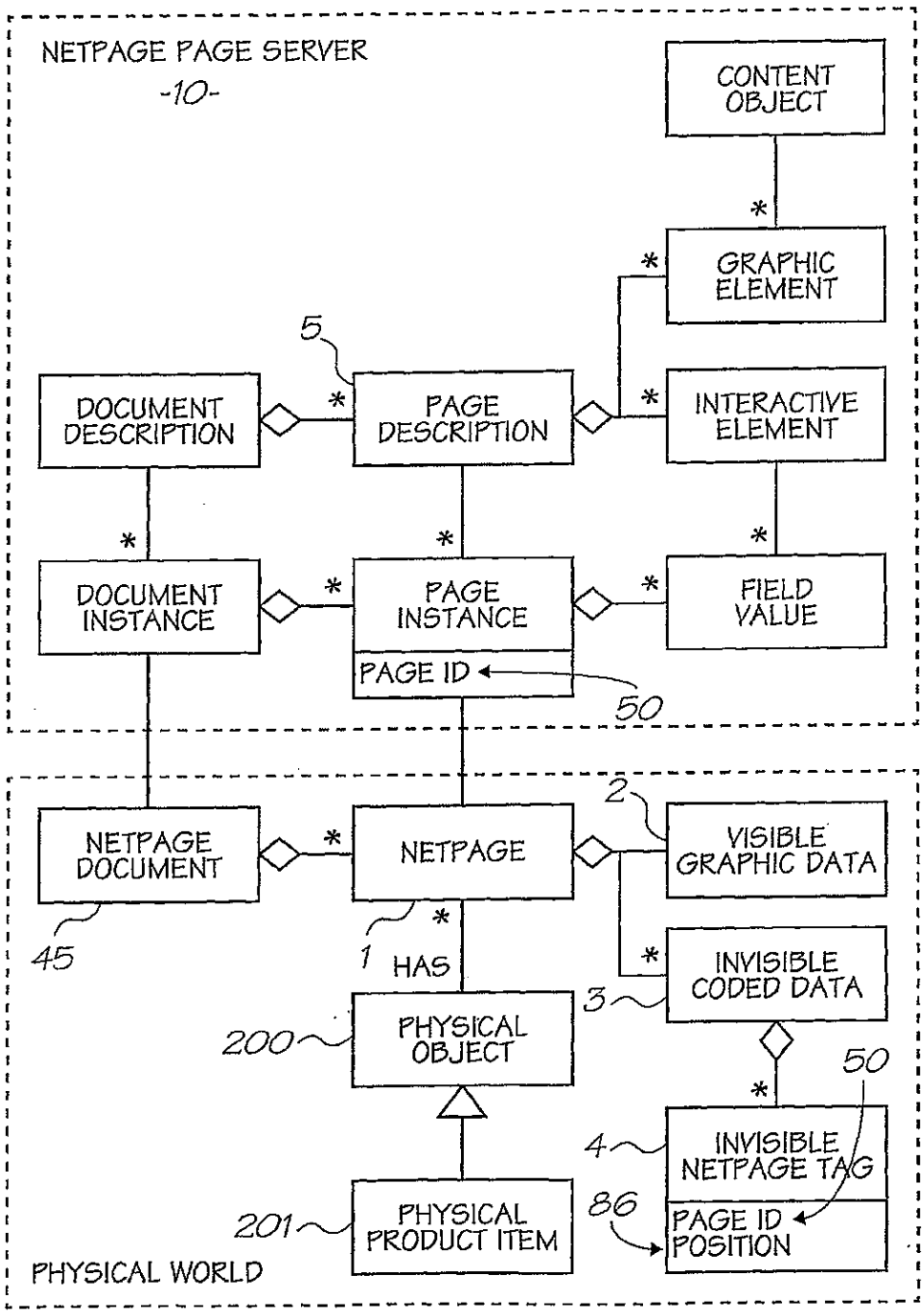

NETPAGE PAGE SERVER
-10-
CONTENT OBJECT
GRAPHIC ELEMENT
5
DOCUMENT DESCRIPTION
PAGE DESCRIPTION
INTERACTIVE ELEMENT
DOCUMENT INSTANCE
PAGE INSTANCE
FIELD VALUE
PAGE ID
50
2
NETPAGE DOCUMENT
NETPAGE
VISIBLE GRAPHIC DATA
45
1
HAS
INVISIBLE CODED DATA
3
200
PHYSICAL OBJECT
50
4
INVISIBLE NETPAGE TAG
86
PAGE ID
POSITION
201
PHYSICAL PRODUCT ITEM
PHYSICAL WORLD

FIG. 4

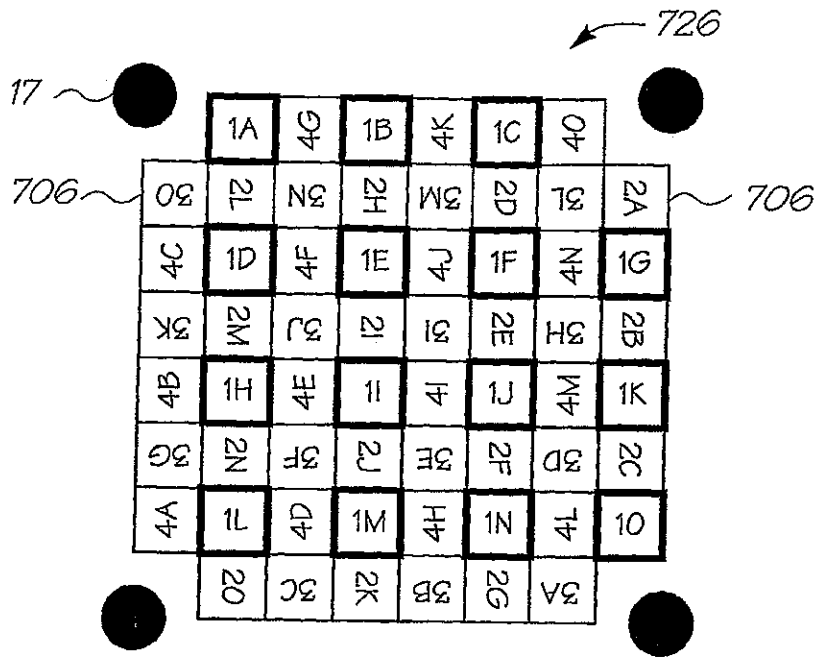

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FIG. 5A

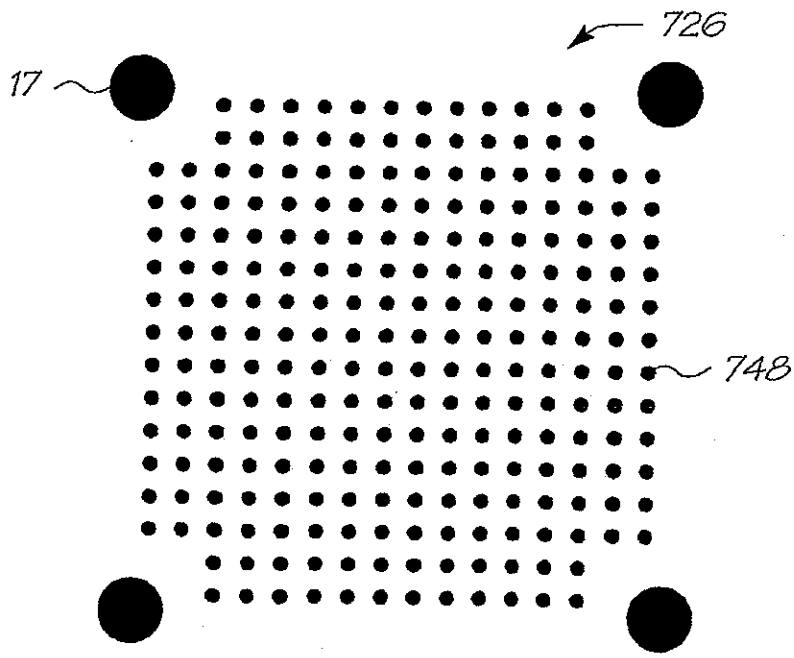

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FIG. 5B

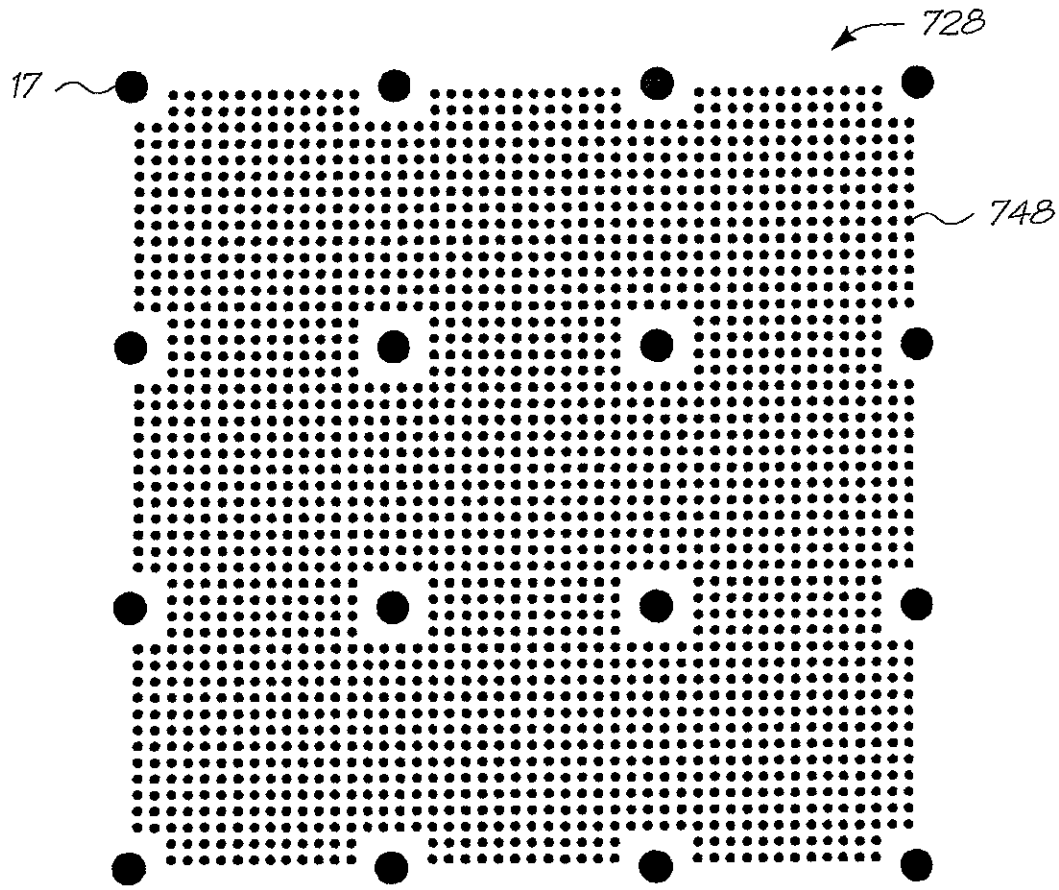


FIG. 5C

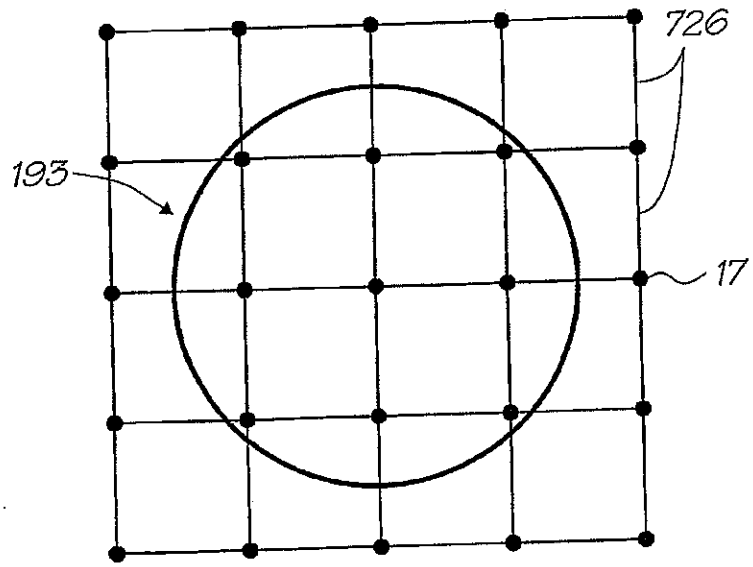


FIG. 5D

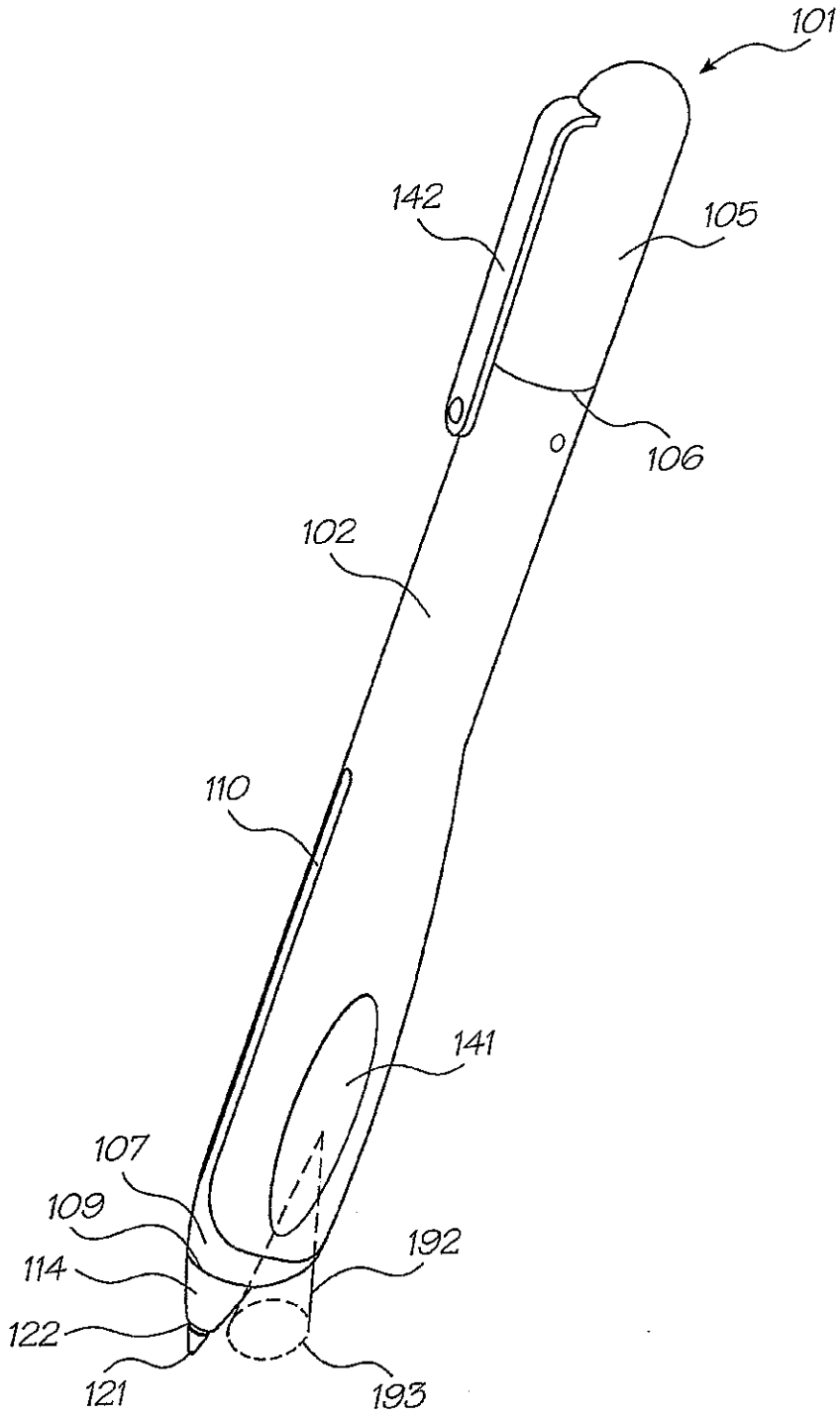


FIG. 6

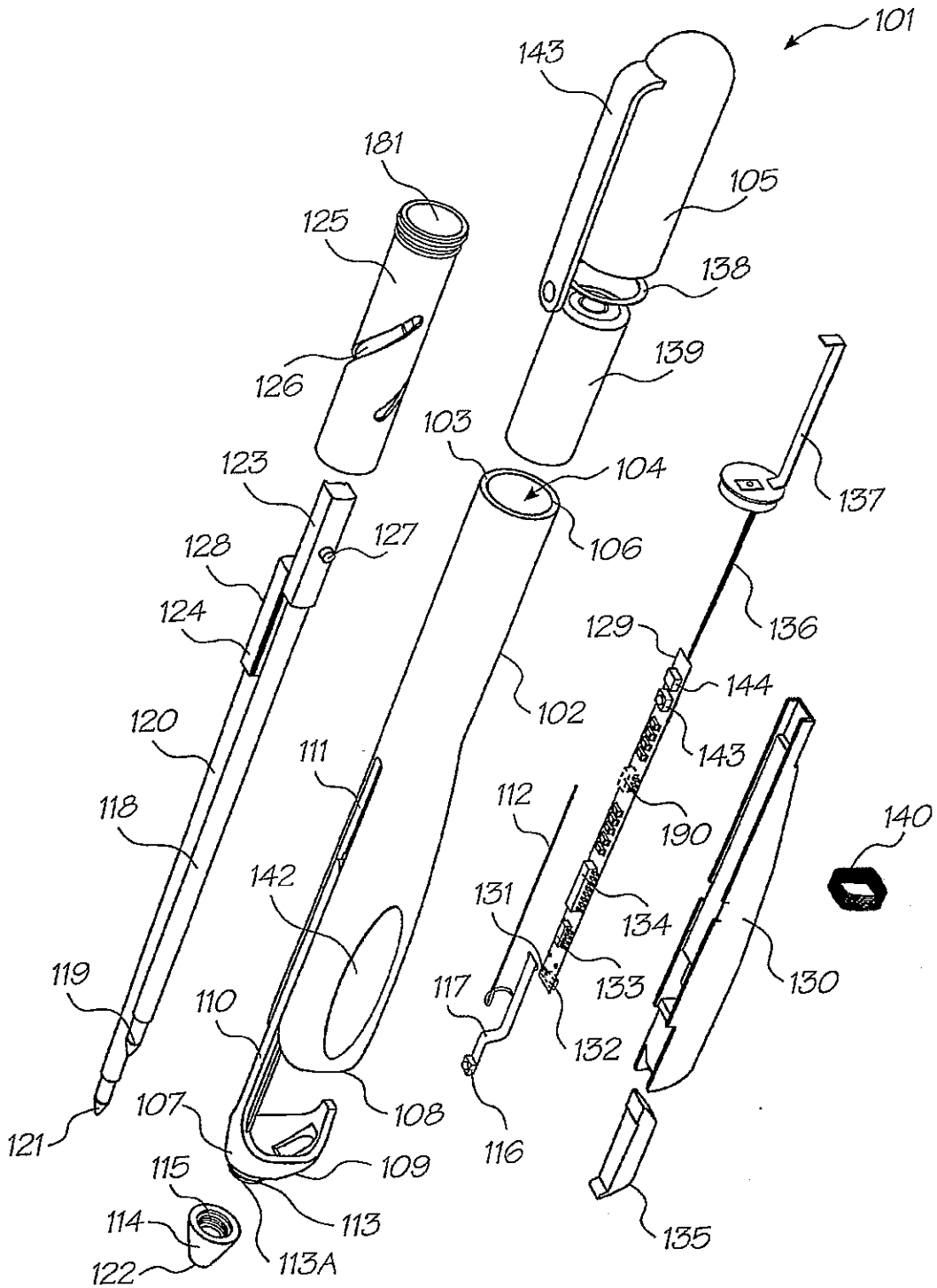

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FIG. 7

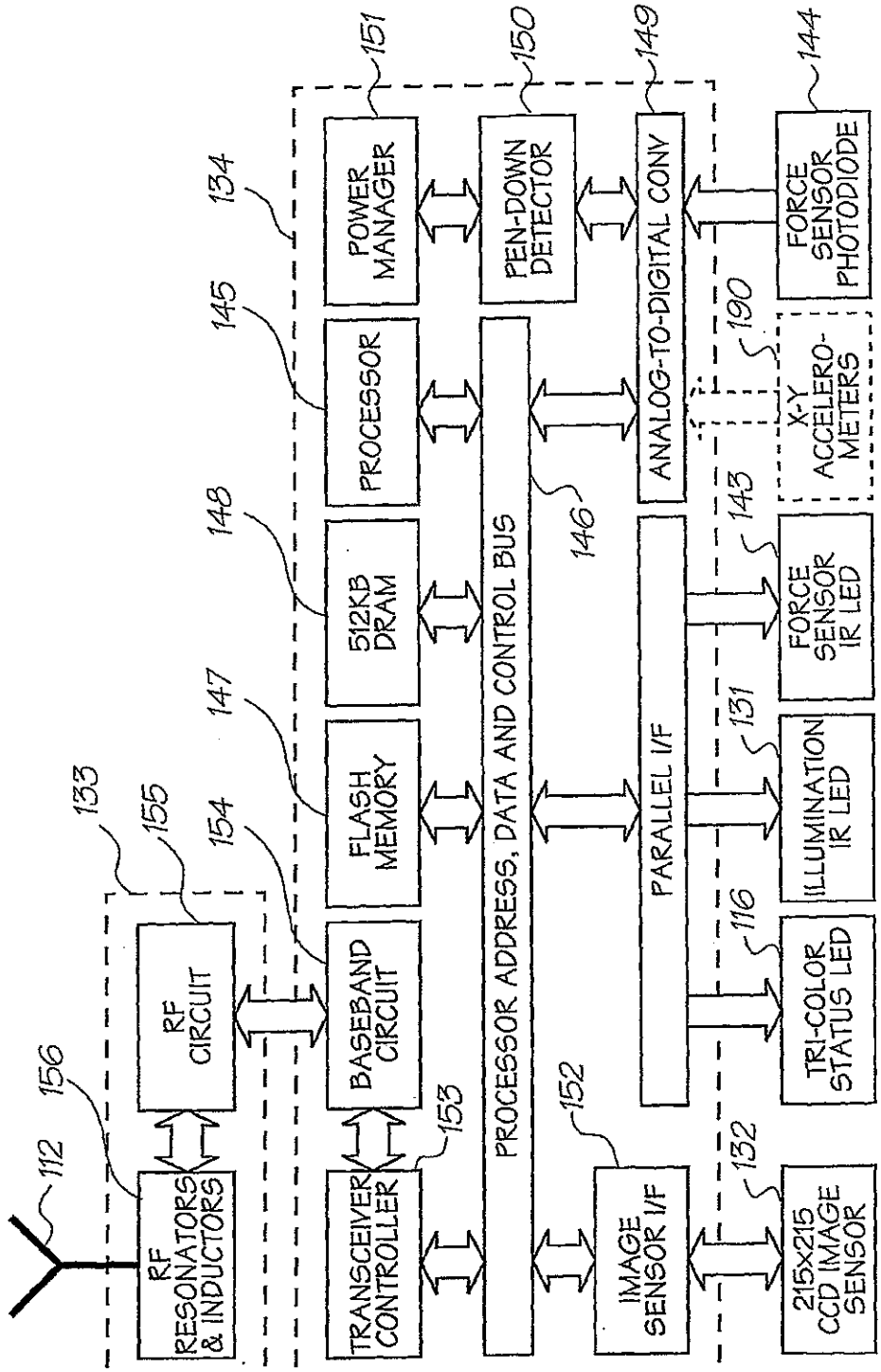

112
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149
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190
143
146
131
116
153
152
132
RF RESONATORS & INDUCTORS
RF CIRCUIT
BASEBAND CIRCUIT
FLASH MEMORY
512KB DRAM
PROCESSOR
POWER MANAGER
PEN-DOWN DETECTOR
ANALOG-TO-DIGITAL CONV
FORCE SENSOR PHOTODIODE
X-Y ACCELERO-METERS
FORCE SENSOR IR LED
ILLUMINATION IR LED
TRI-COLOR STATUS LED
PROCESSOR ADDRESS, DATA AND CONTROL BUS
PARALLEL I/F
TRANSCEIVER CONTROLLER
IMAGE SENSOR I/F
215x215 CCD IMAGE SENSOR

FIG. 8

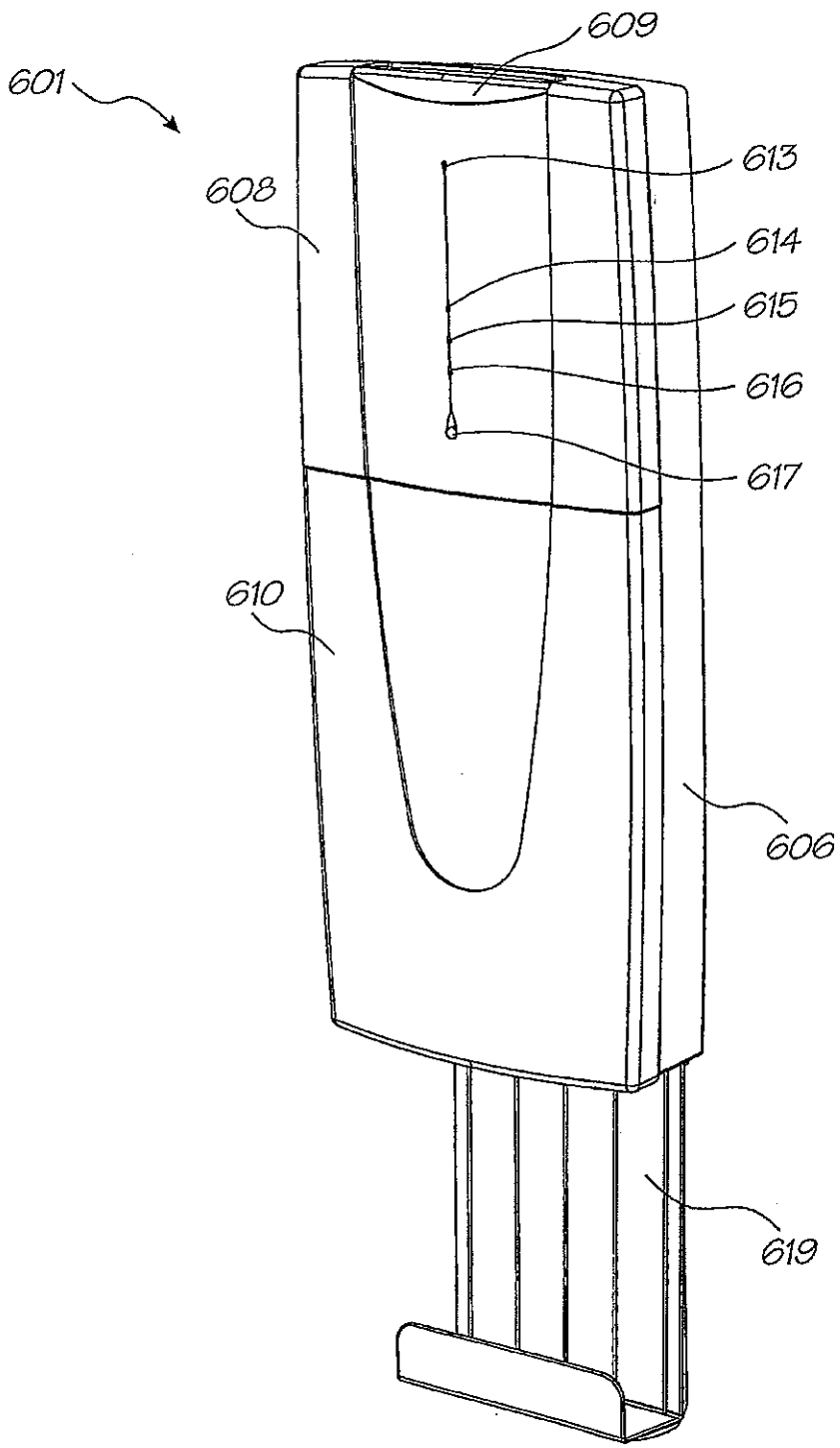


FIG. 9

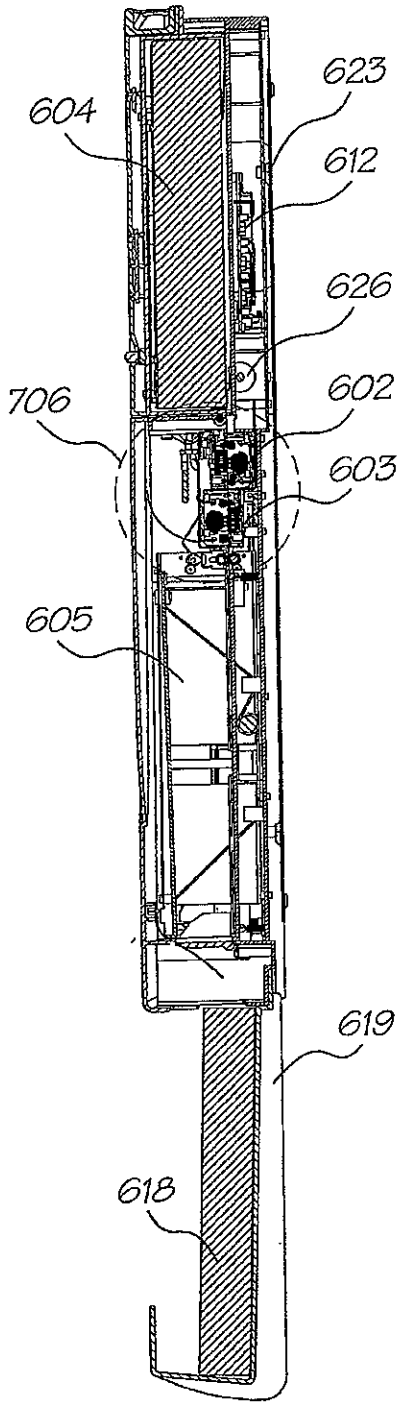


FIG. 10

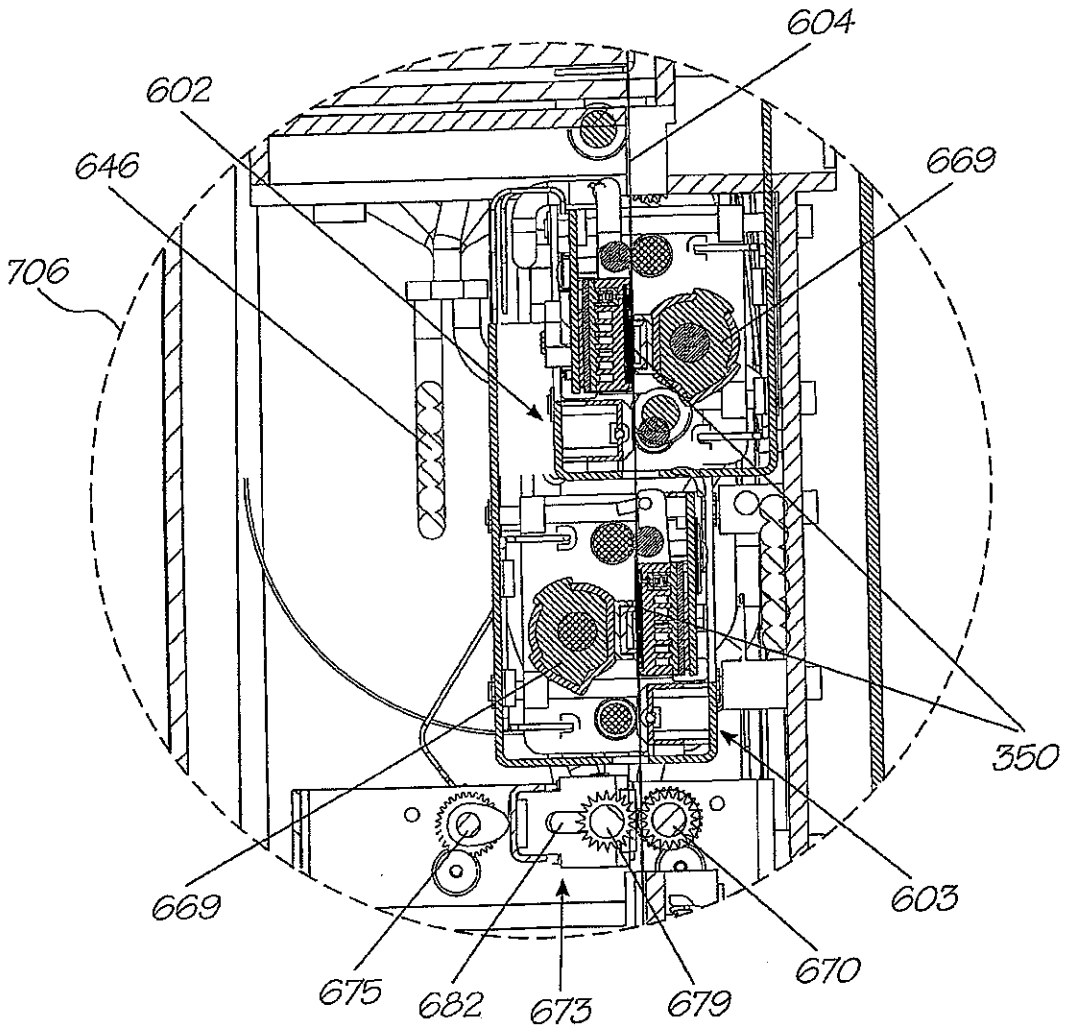


FIG. 10A

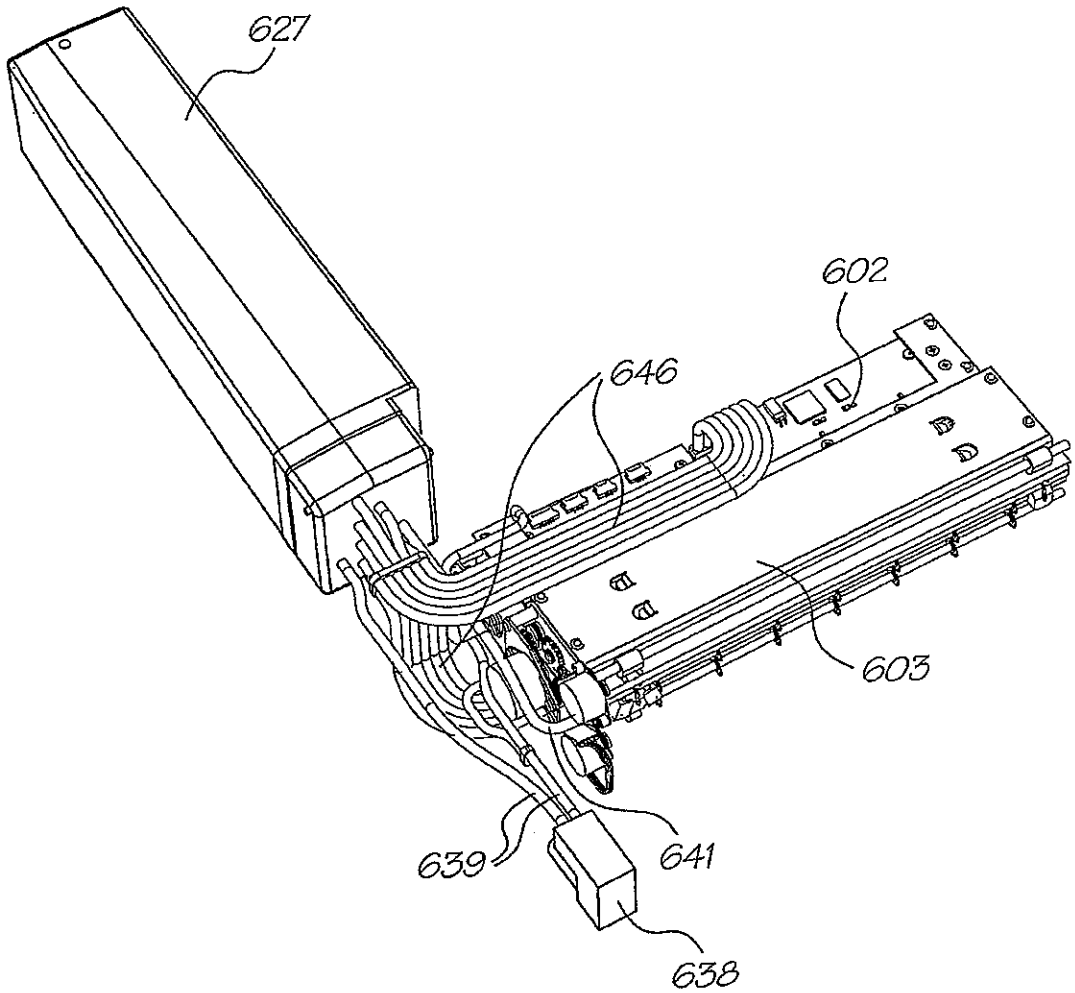


FIG. 11

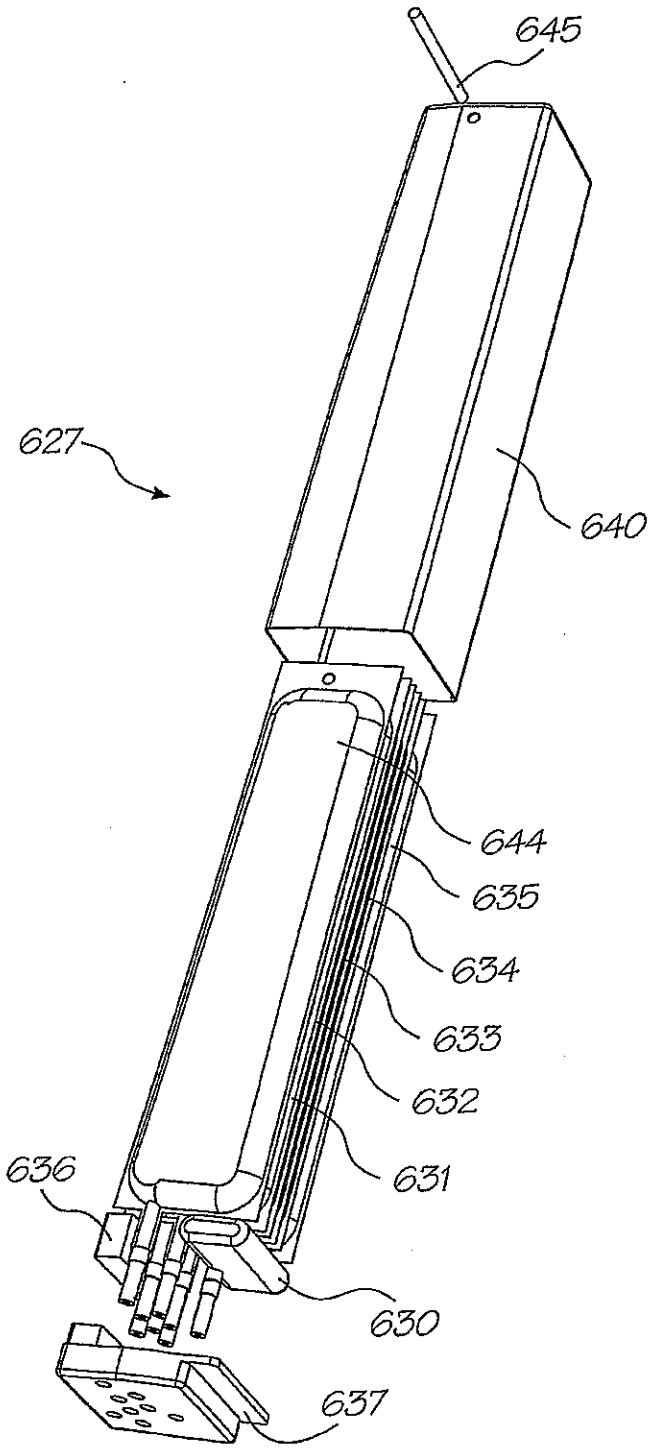


FIG. 12

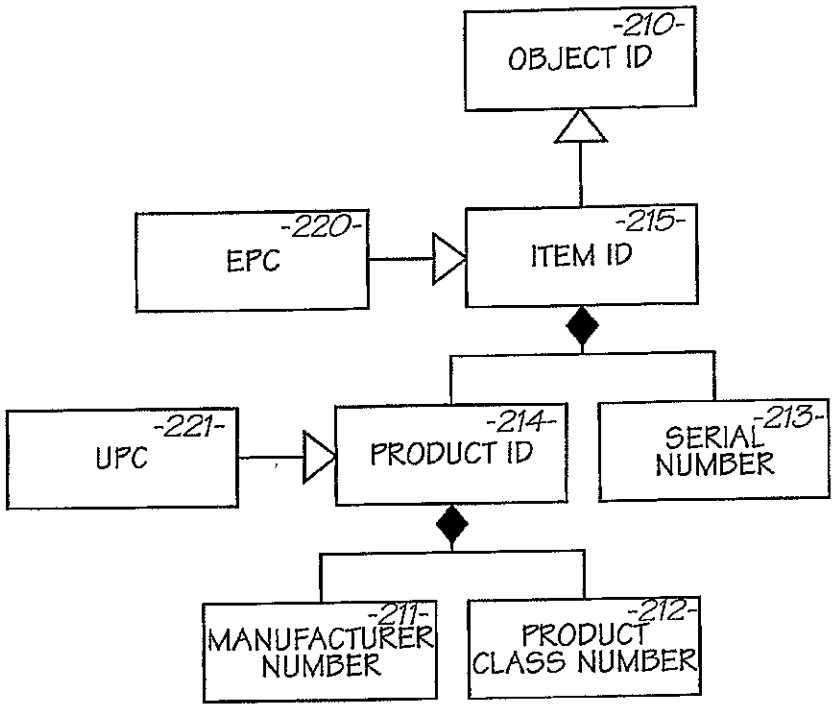

-210-
OBJECT ID
-220-
EPC
-215-
ITEM ID
-221-
UPC
-214-
PRODUCT ID
-213-
SERIAL NUMBER
-211-
MANUFACTURER NUMBER
-212-
PRODUCT CLASS NUMBER

FIG. 13

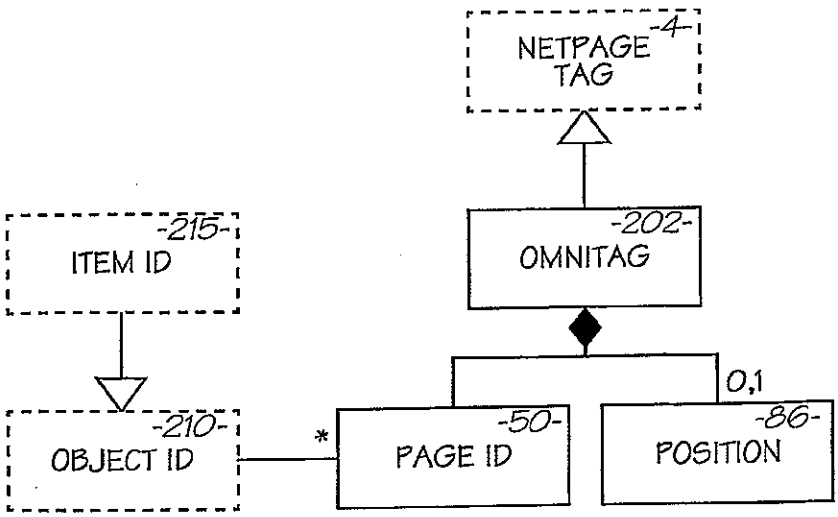

-4-
NETPAGE TAG
-215-
ITEM ID
-202-
OMNITAG
0,1
-210-
OBJECT ID
*
-50-
PAGE ID
-86-
POSITION

FIG. 14

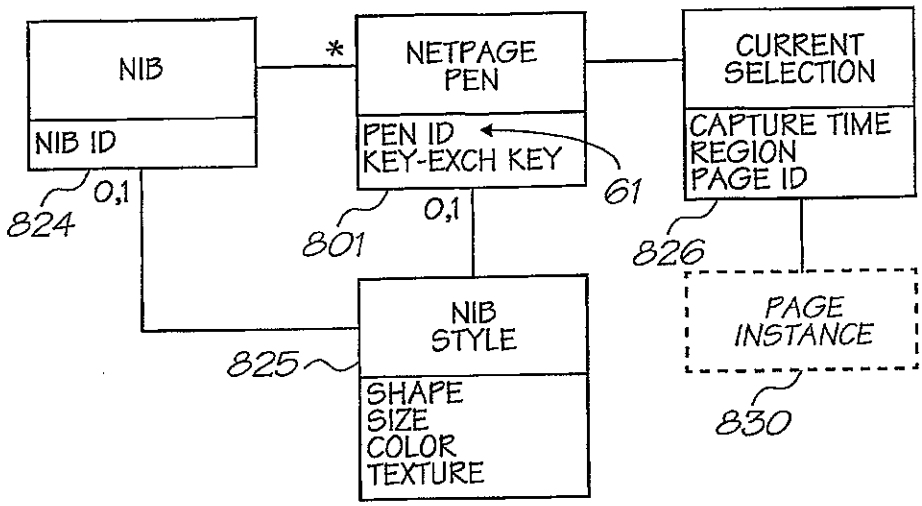

NIB
NIB ID
*
NETPAGE PEN
PEN ID
KEY-EXCH KEY
61
CURRENT SELECTION
CAPTURE TIME
REGION
PAGE ID
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824
0,1
801
826
NIB STYLE
825
SHAPE
SIZE
COLOR
TEXTURE
PAGE INSTANCE
830

FIG. 15

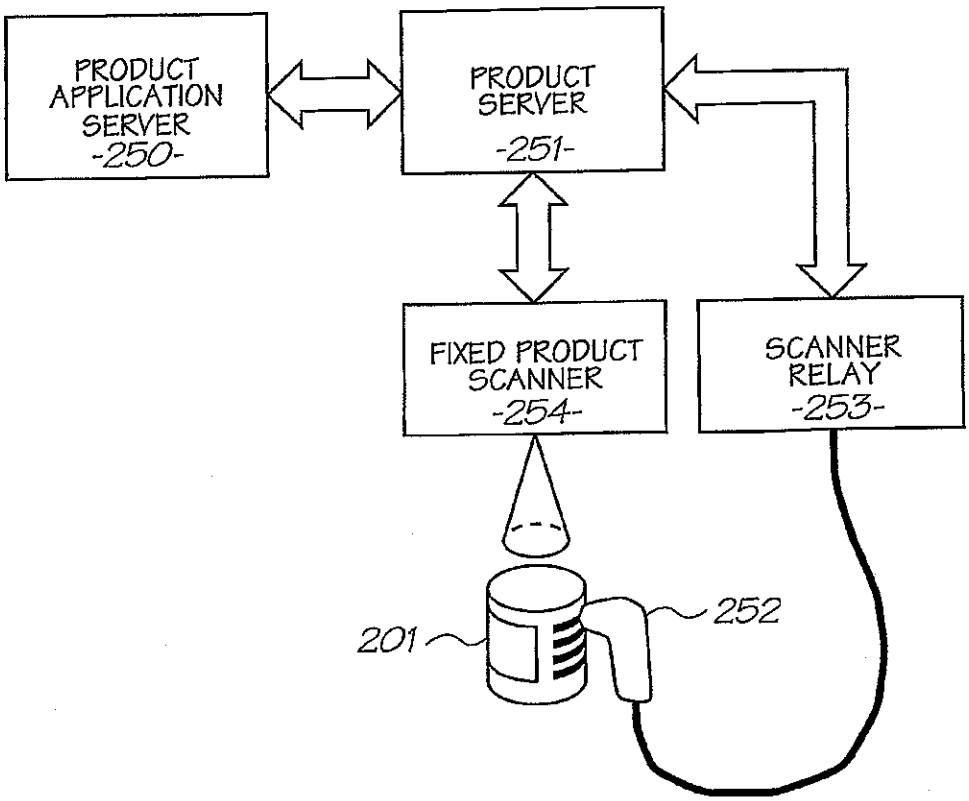

PRODUCT APPLICATION SERVER -250-
PRODUCT SERVER -251-
FIXED PRODUCT SCANNER -254-
SCANNER RELAY -253-
201
252

FIG. 16

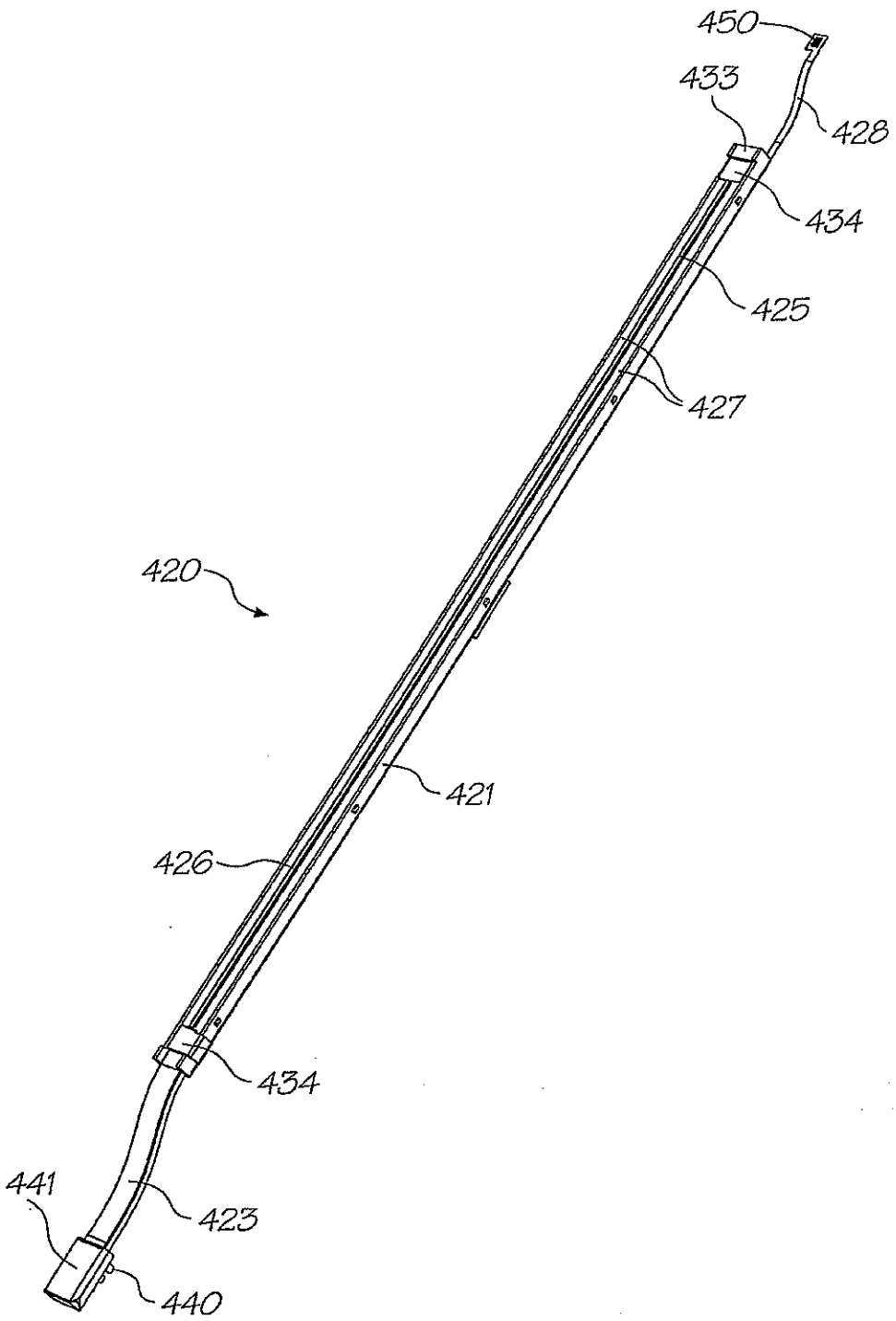


FIG. 17

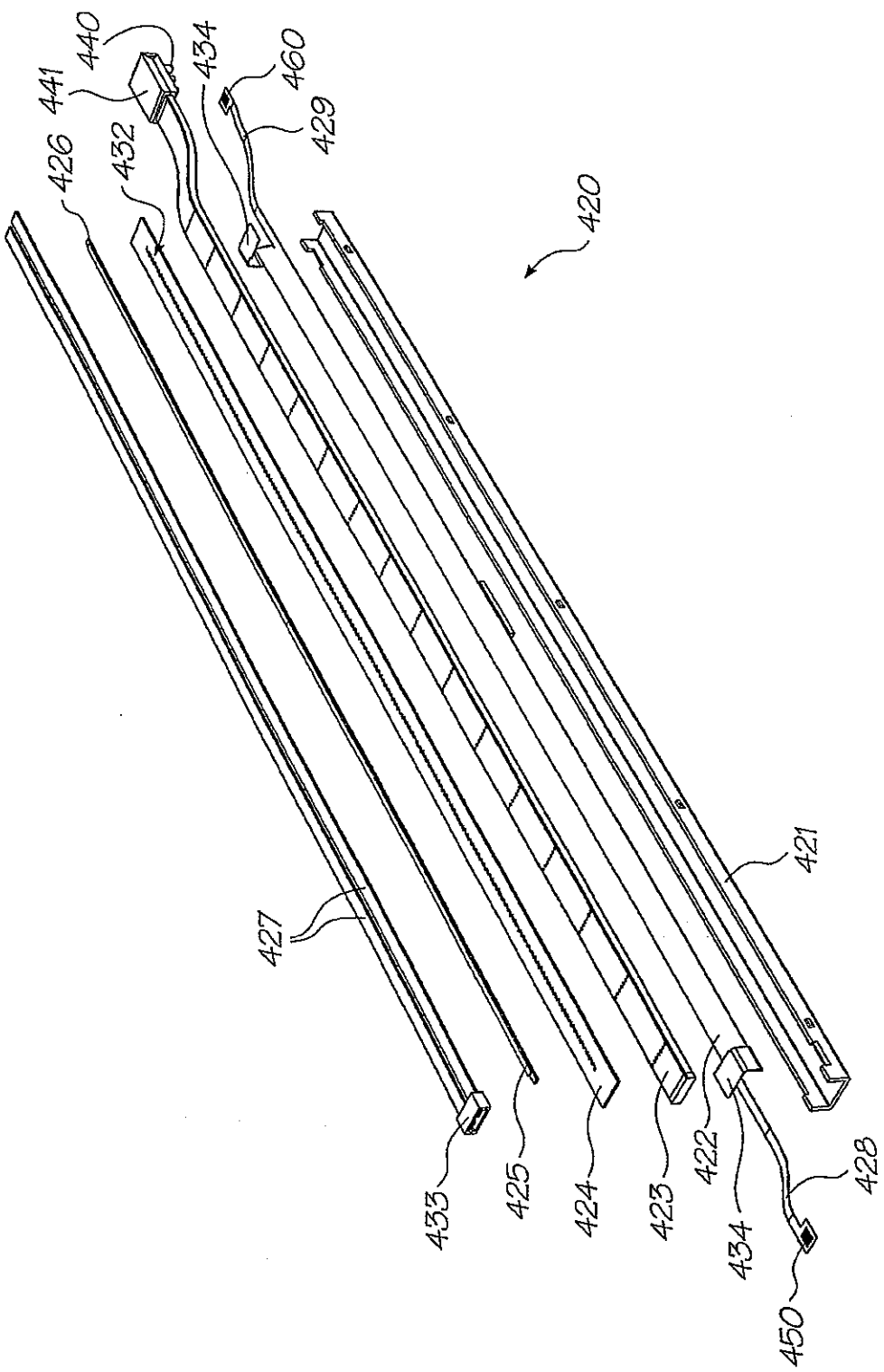

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FIG. 18

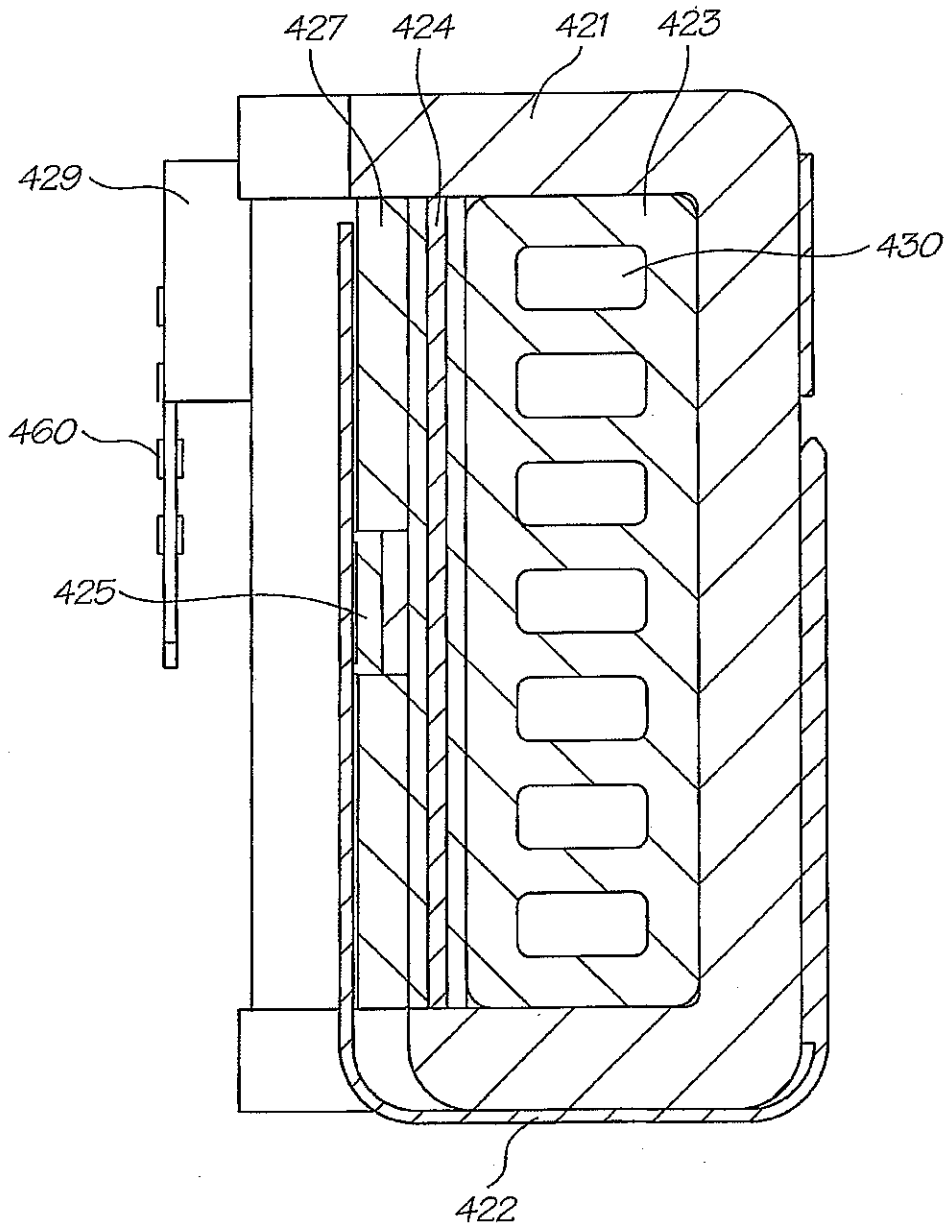


FIG. 19

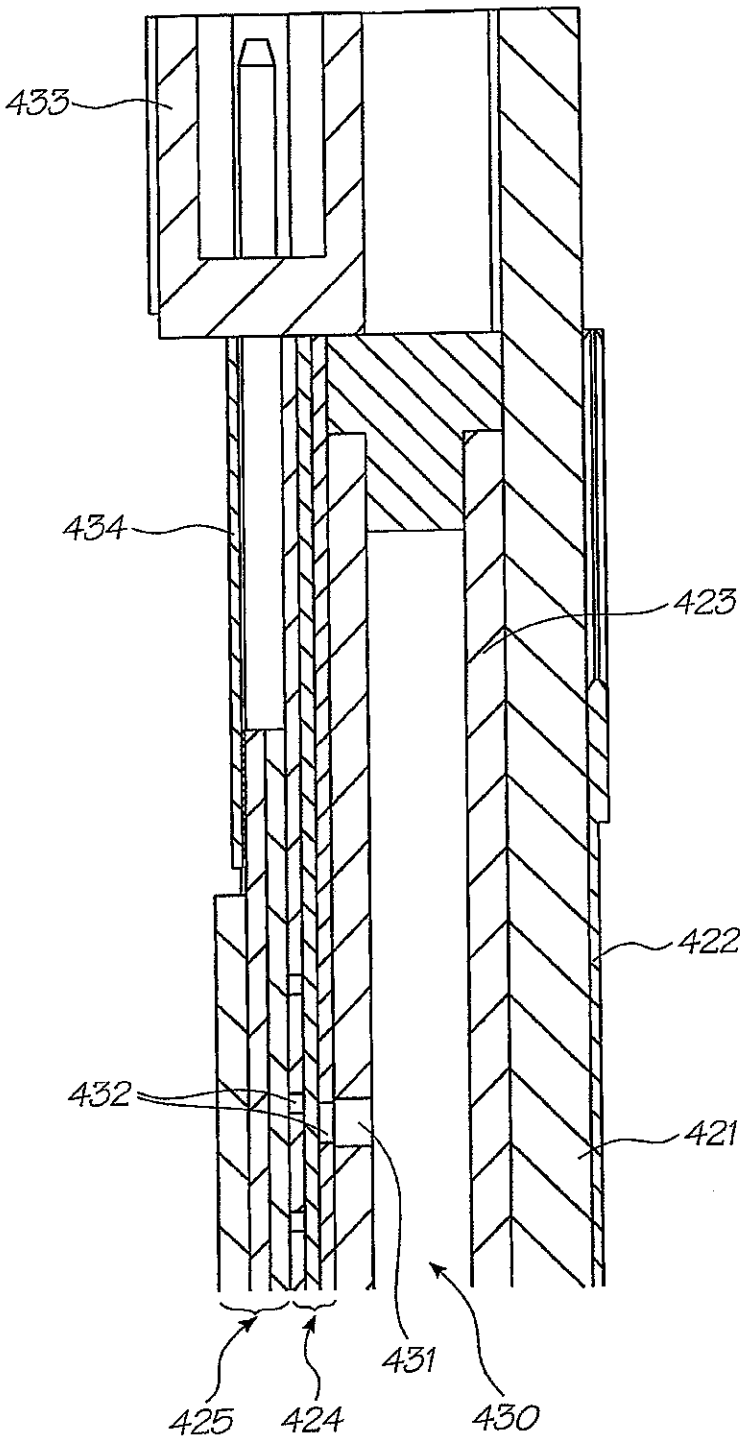


FIG. 20

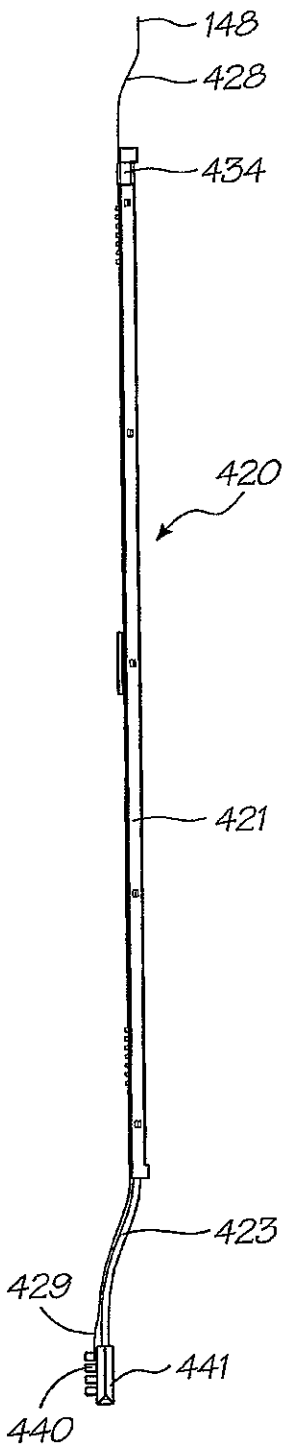


FIG. 21(A)

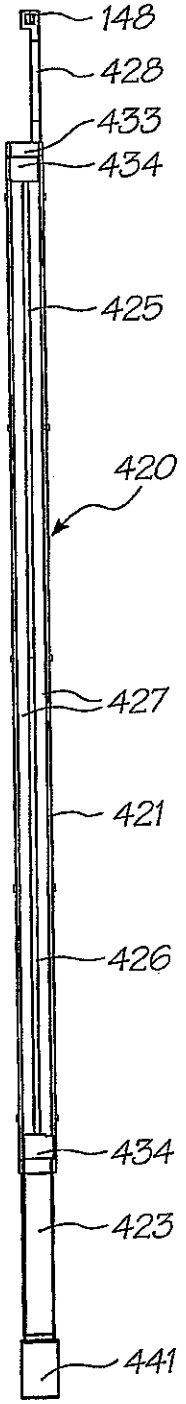


FIG. 21(B)

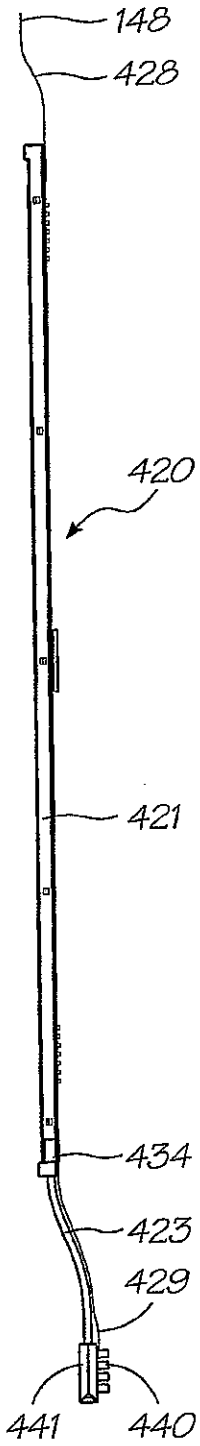


FIG. 21(C)

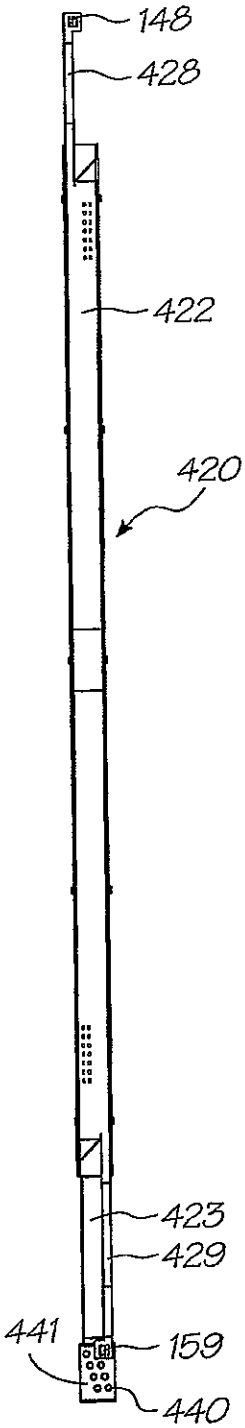


FIG. 21(D)

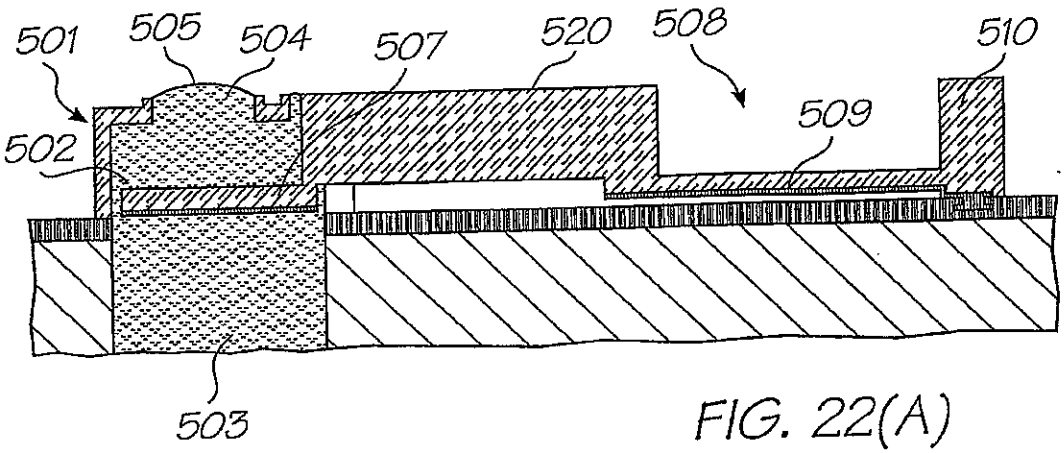


FIG. 22(A)

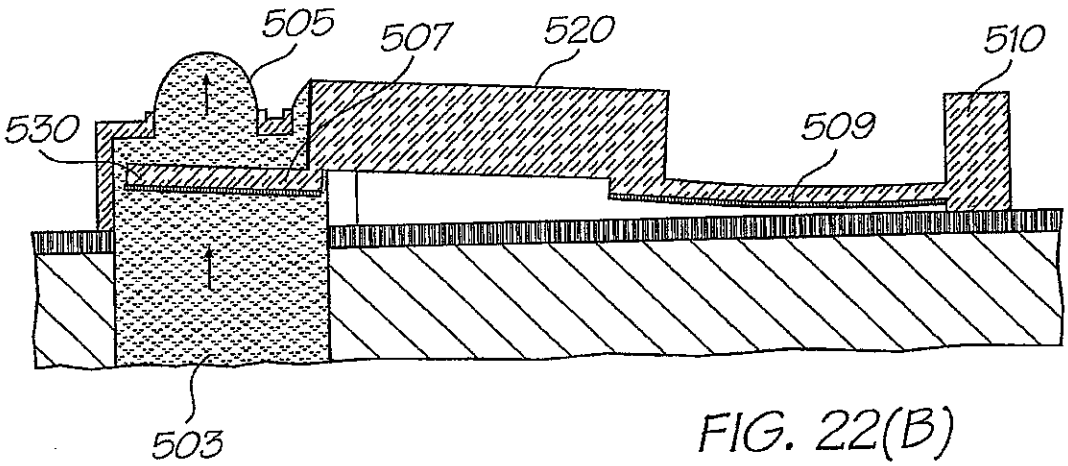


FIG. 22(B)

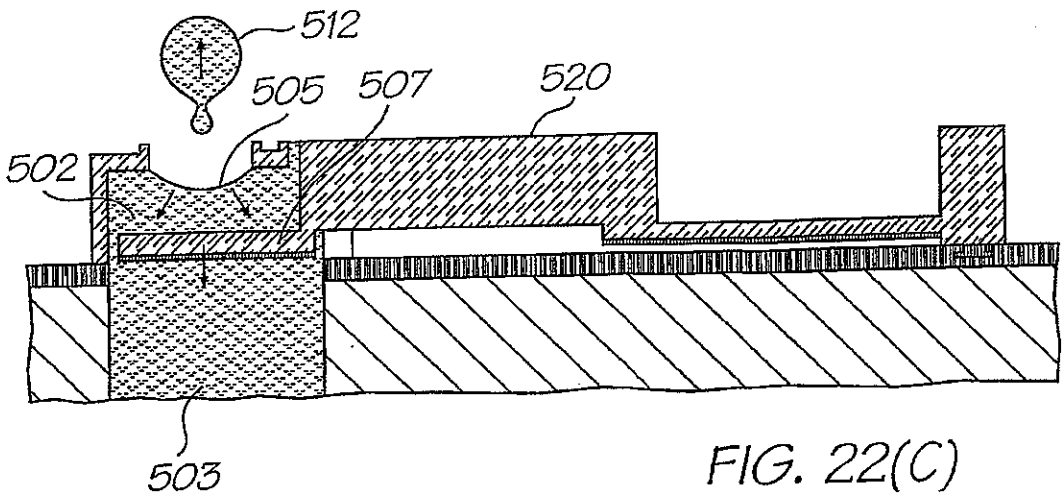


FIG. 22(C)

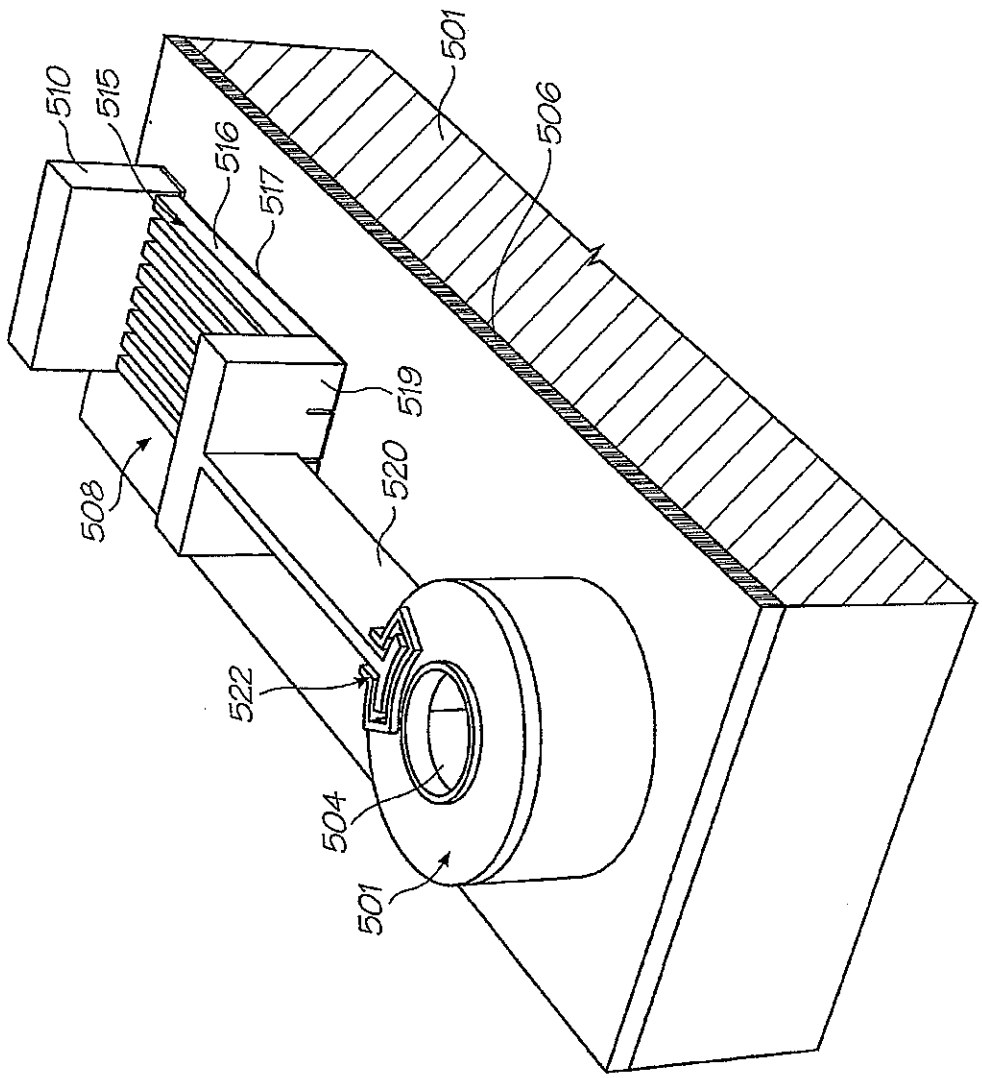


FIG. 23

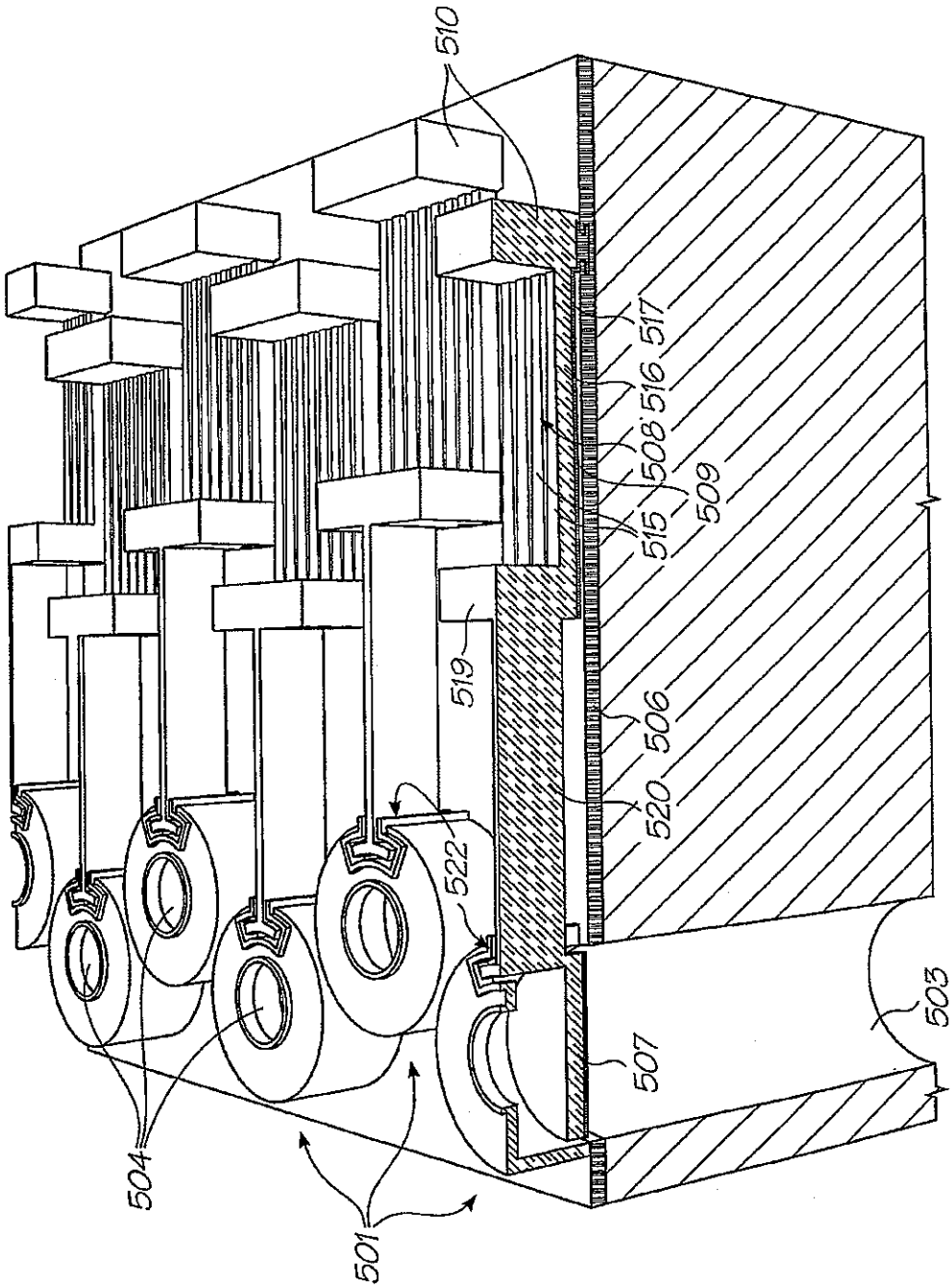


FIG. 24

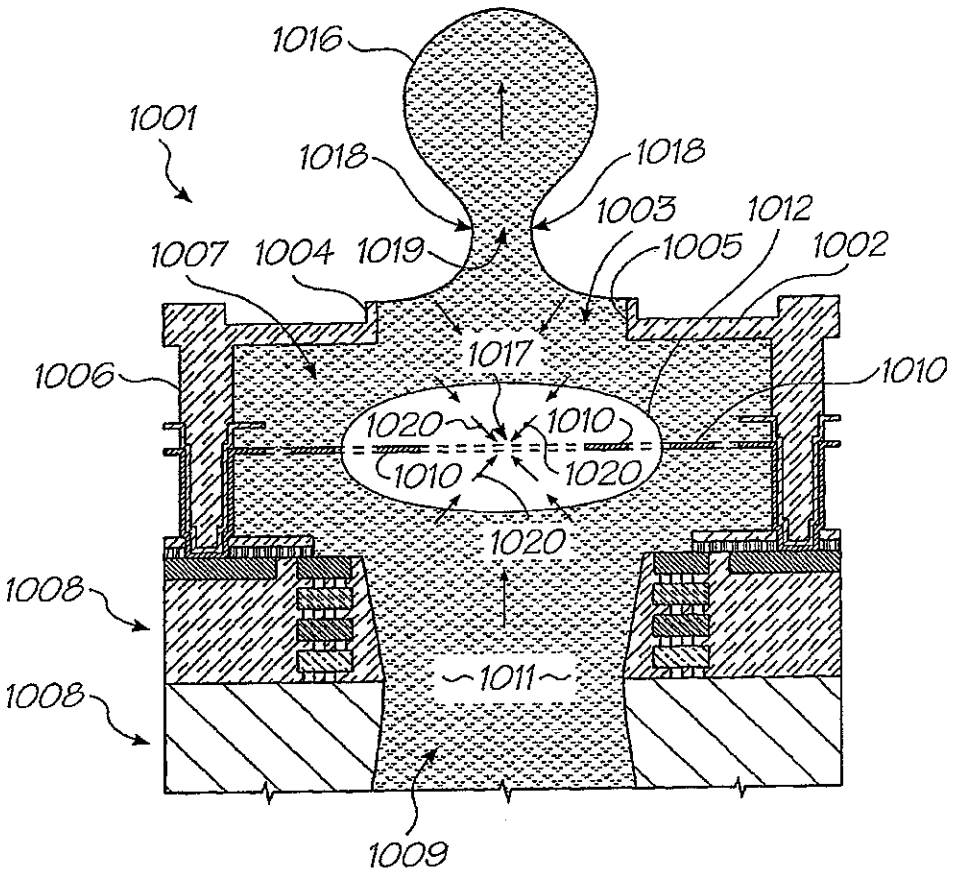

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FIG. 25