

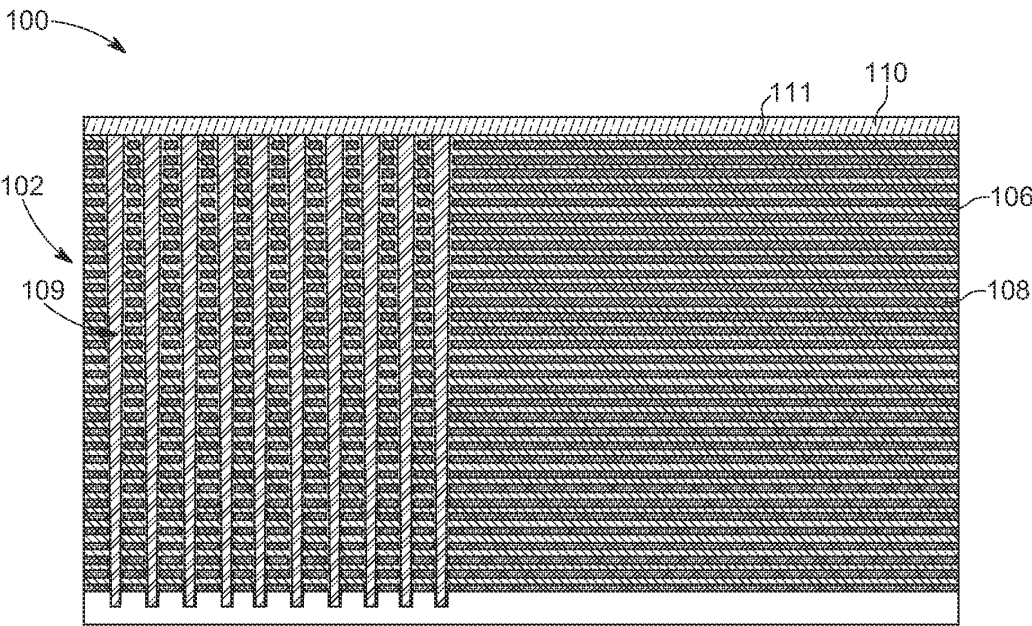


FIG. 1A

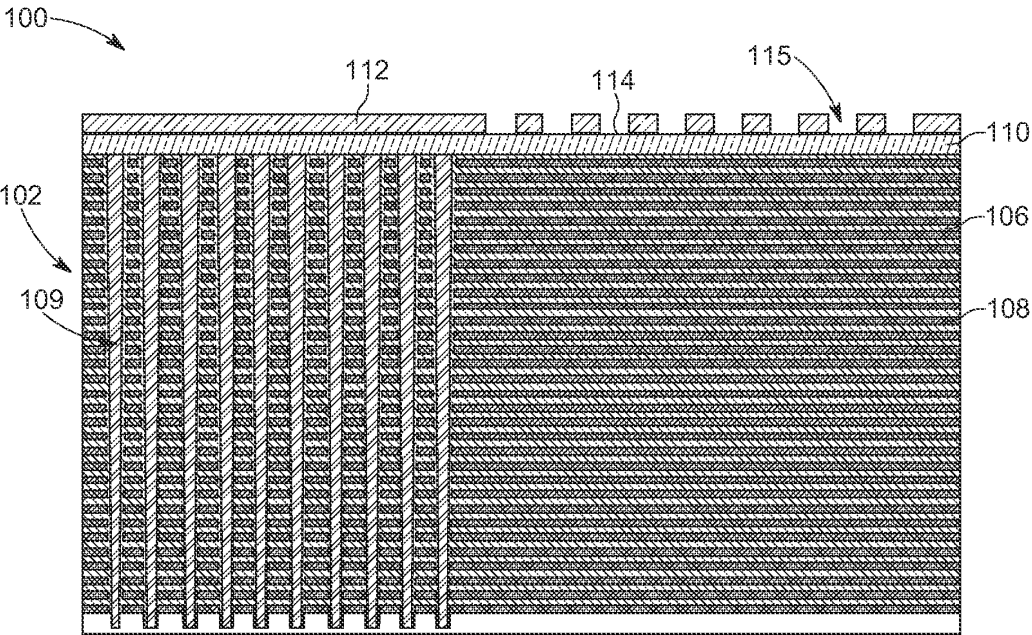


FIG. 1B

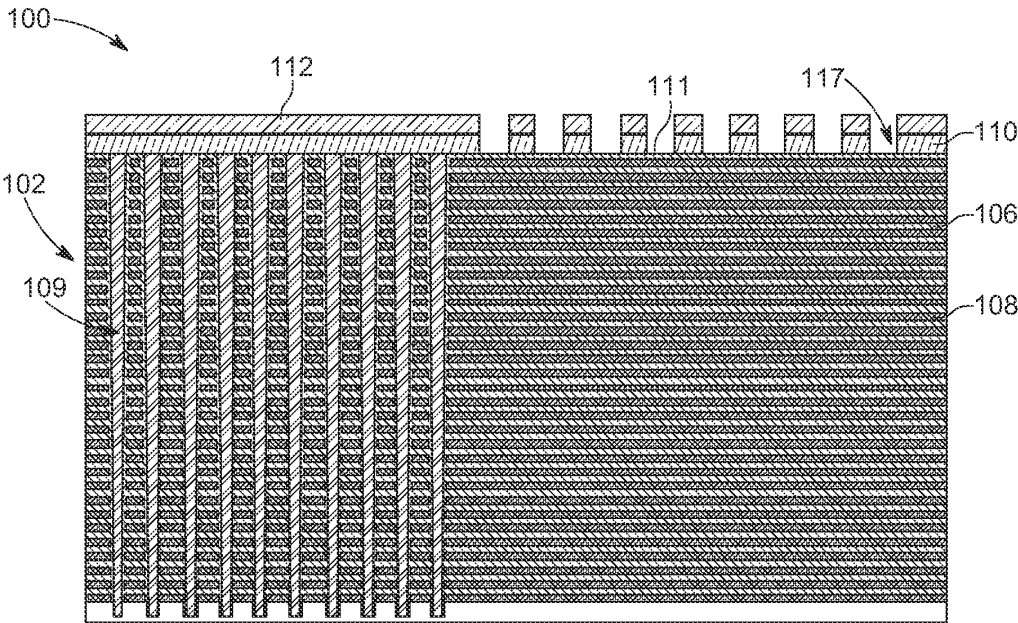


FIG. 1C

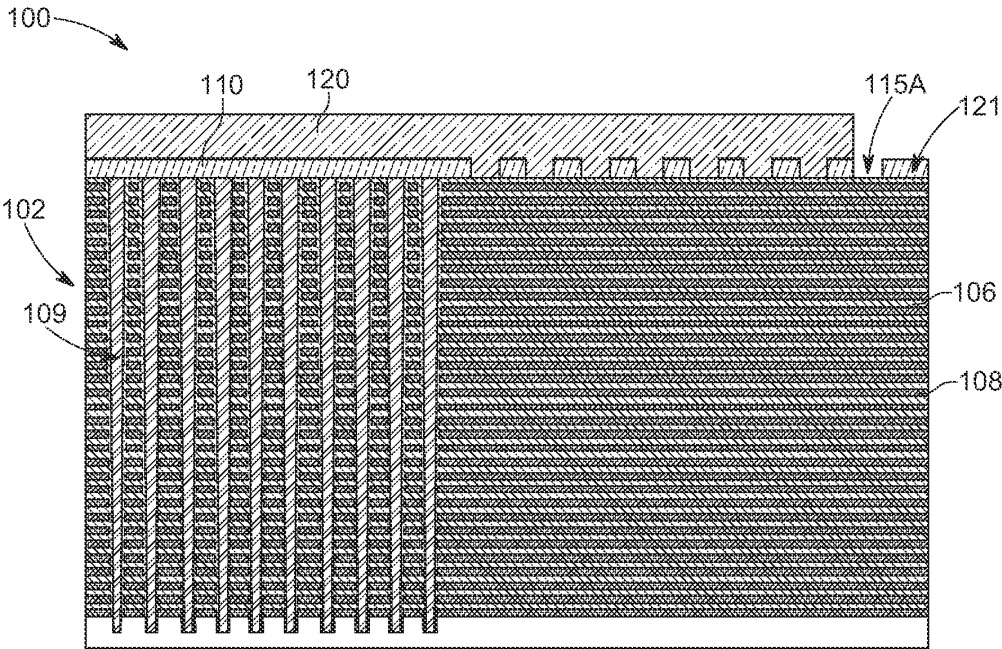


FIG. 1D

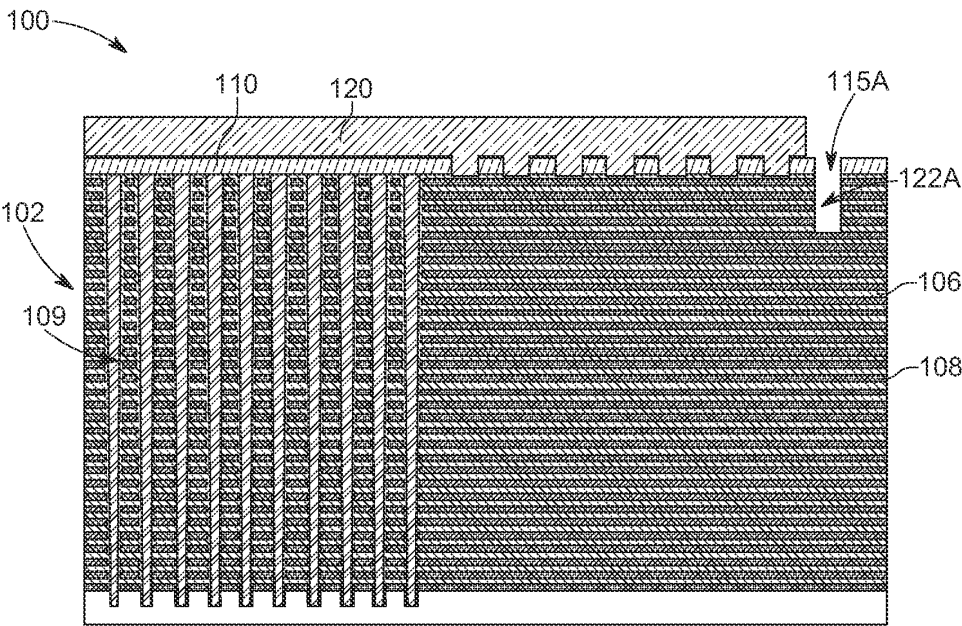


FIG. 1E

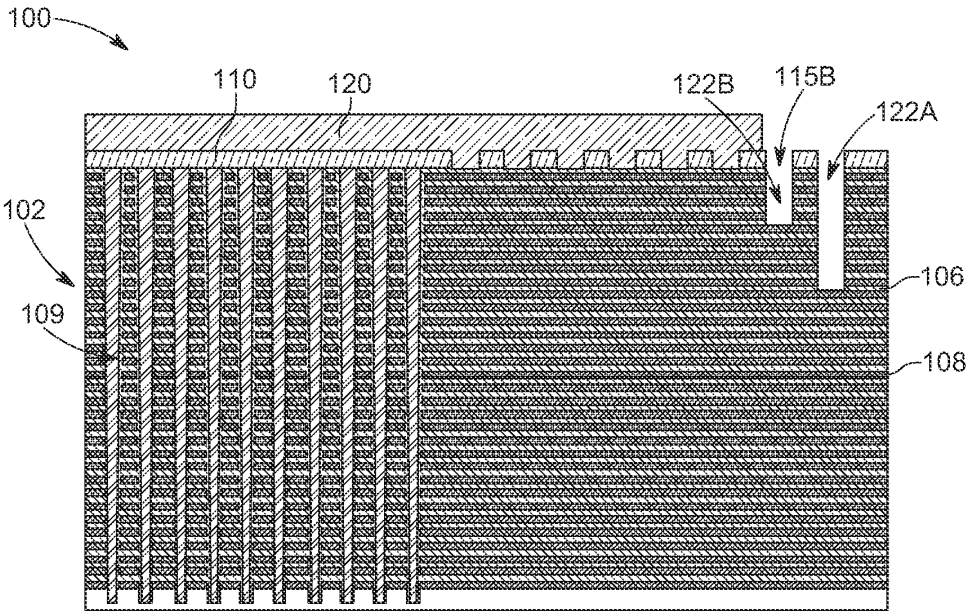


FIG. 1F

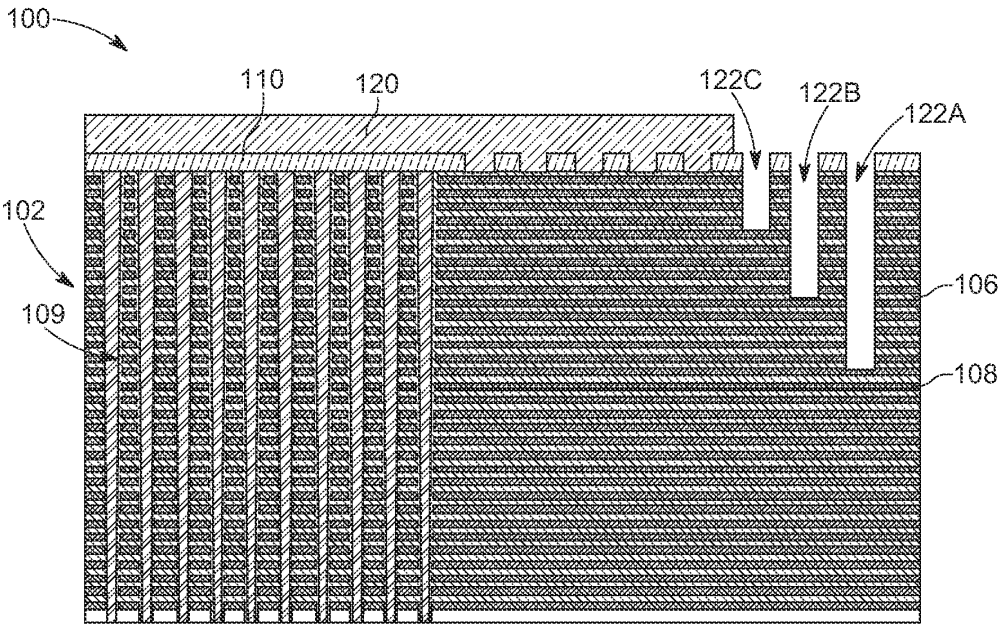


FIG. 1G

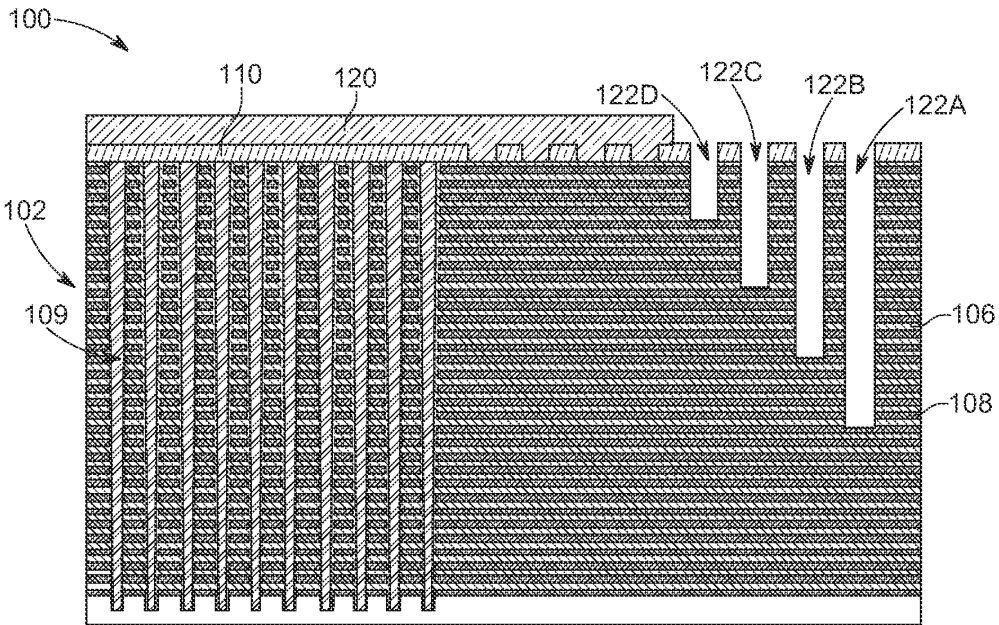


FIG. 1H

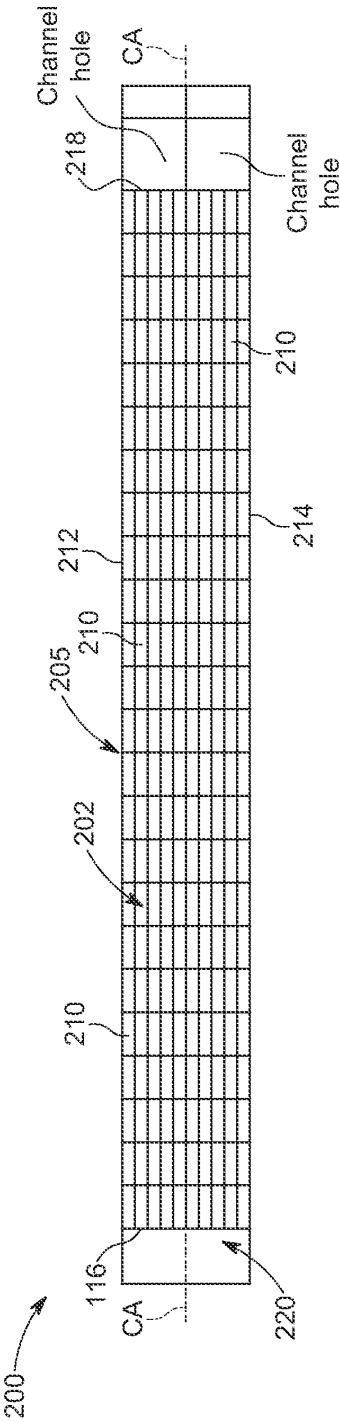


FIG. 2A

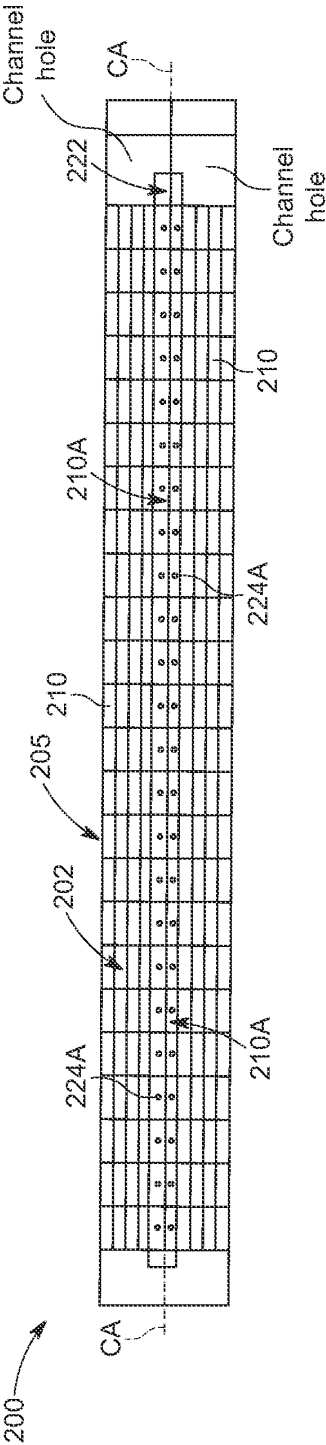


FIG. 2B

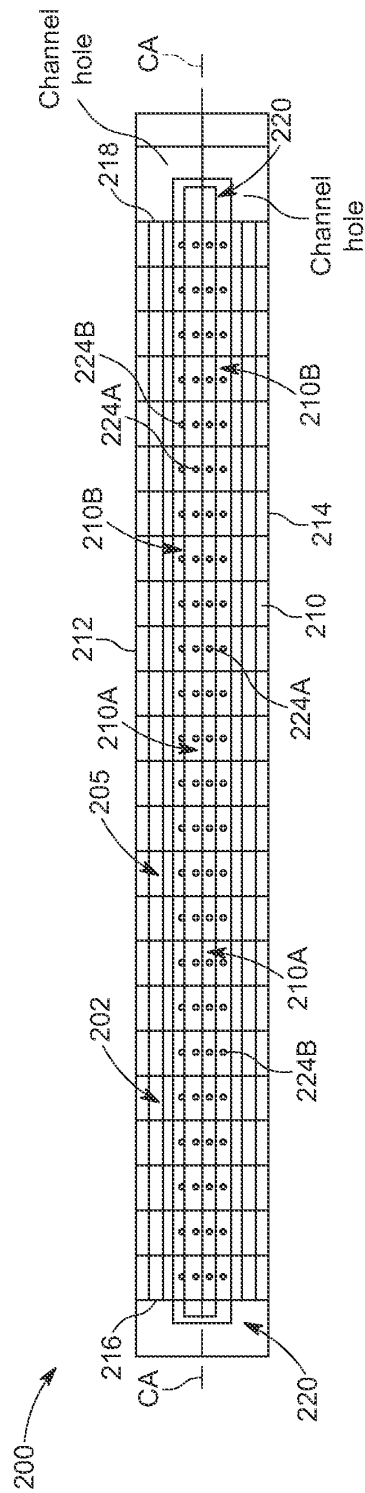


FIG. 2C

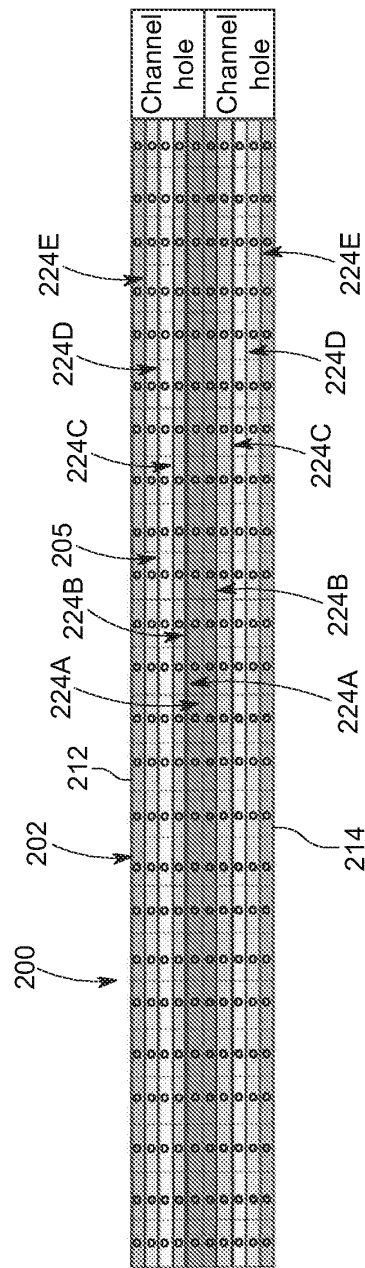


FIG. 2D

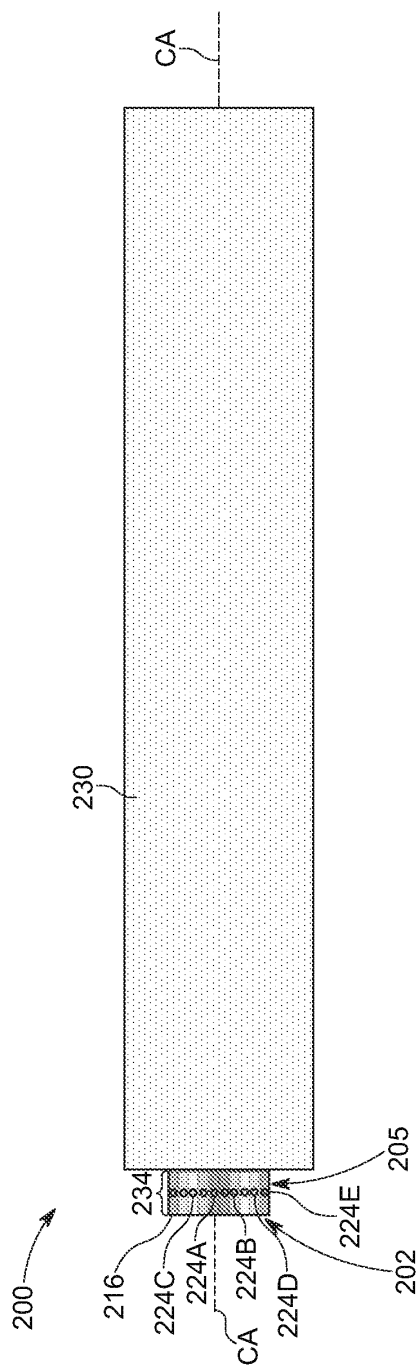
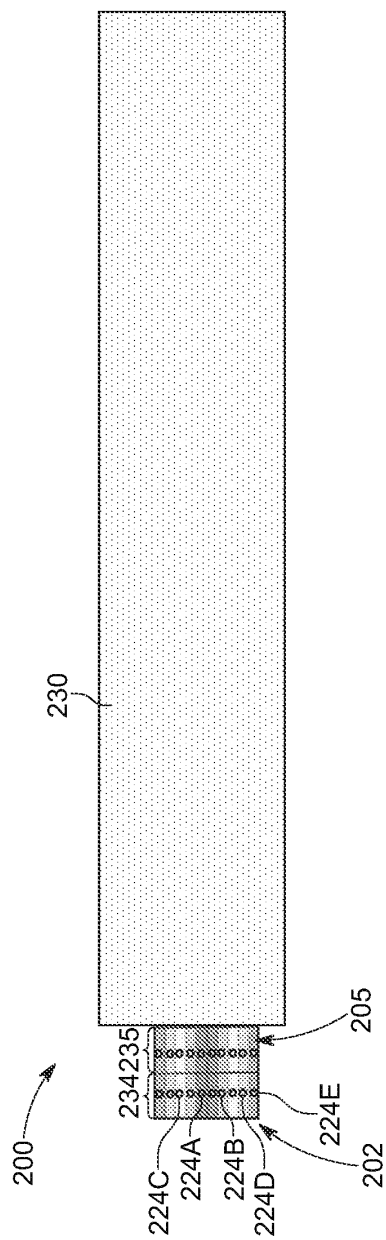


FIG. 2.



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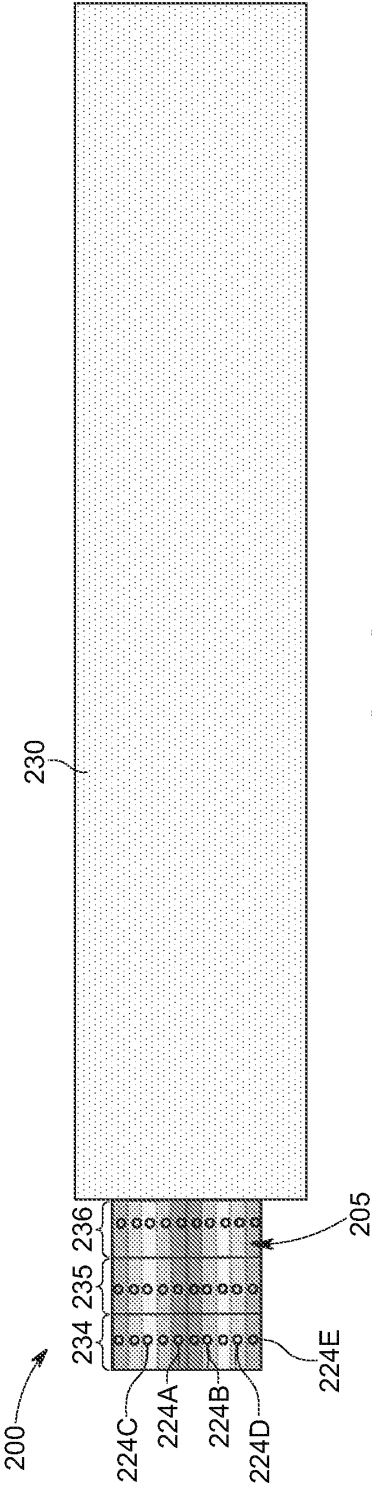


FIG. 2G

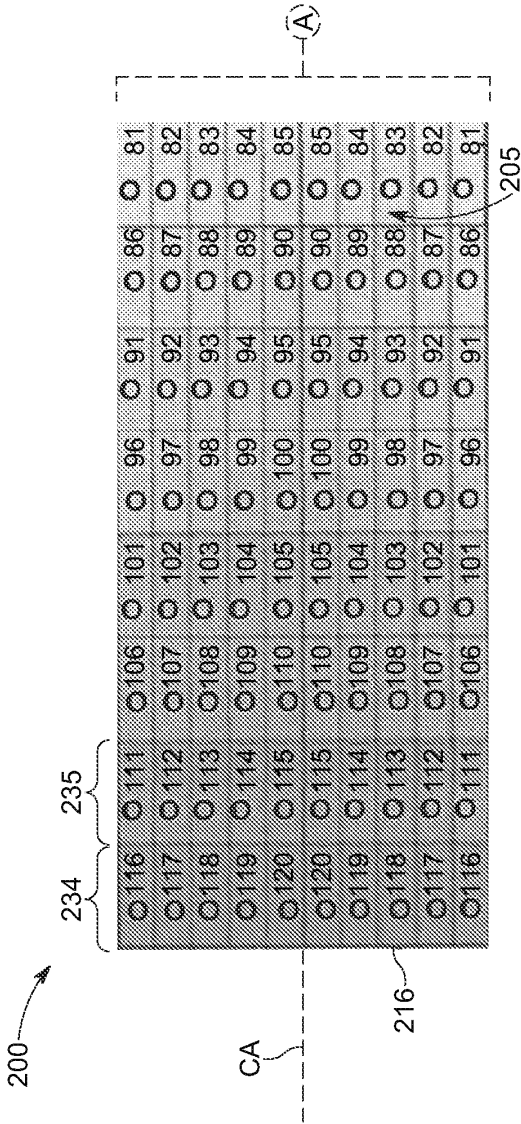


FIG. 2H

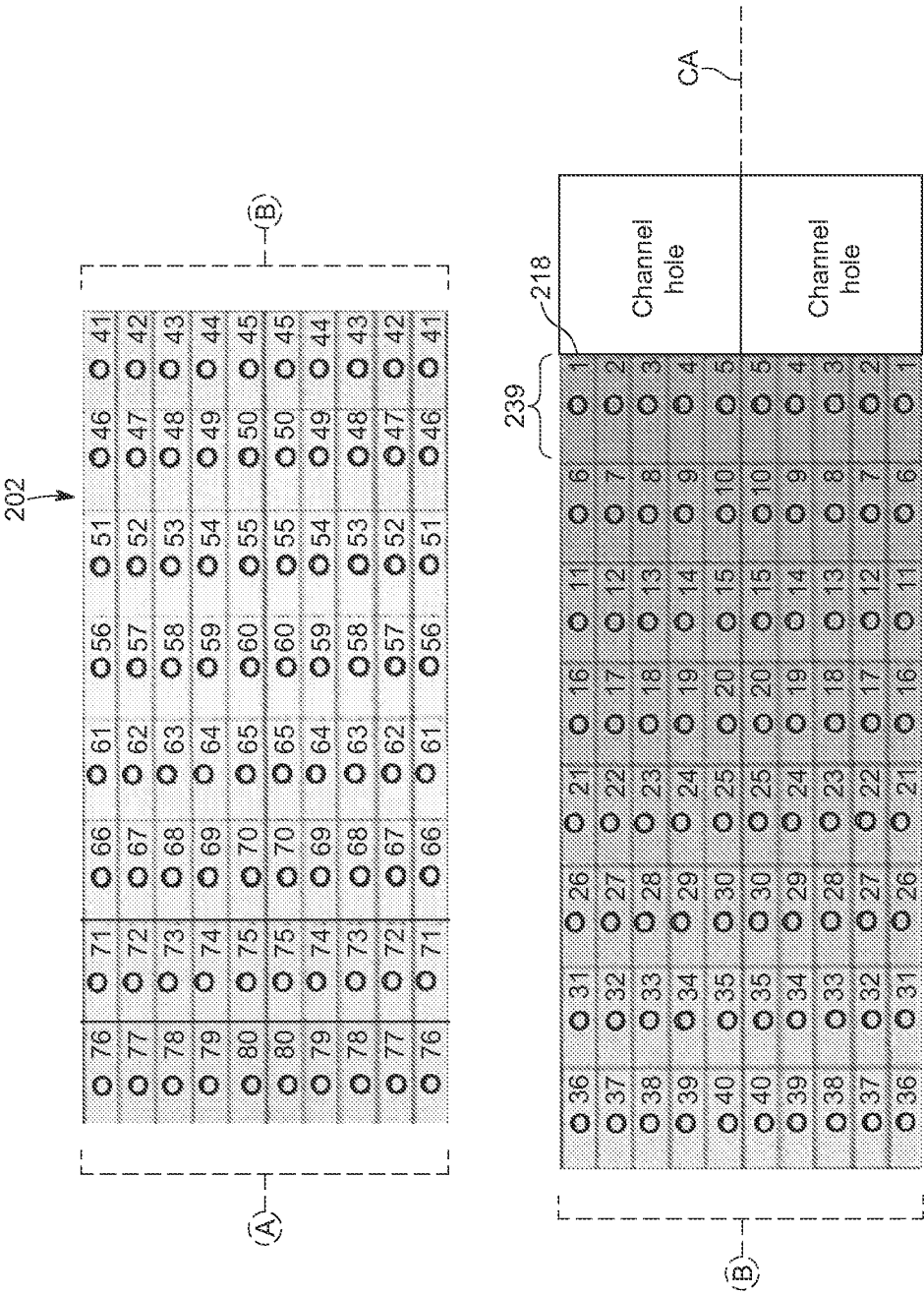


FIG. 2H (Continued)

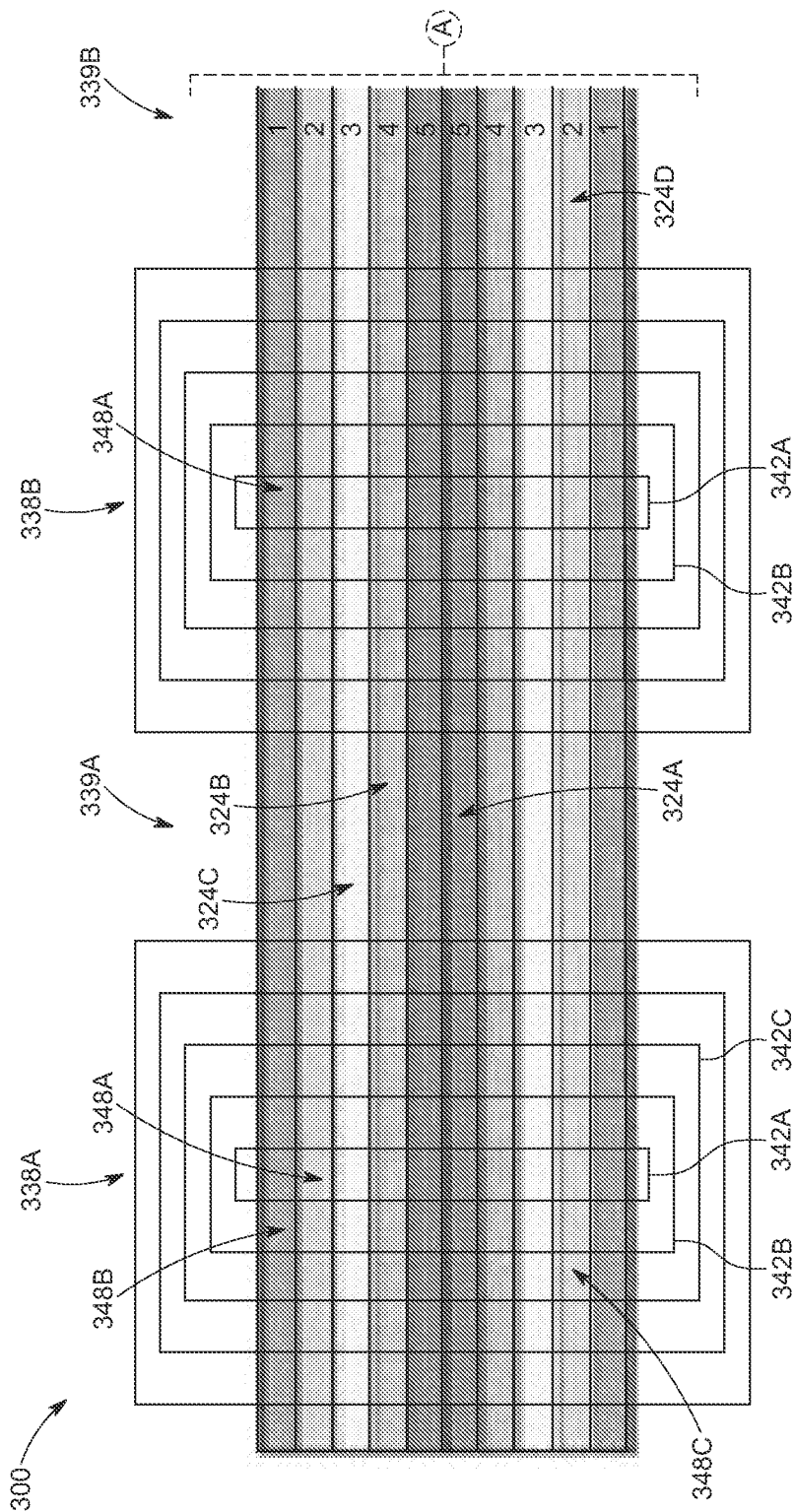


FIG. 3A

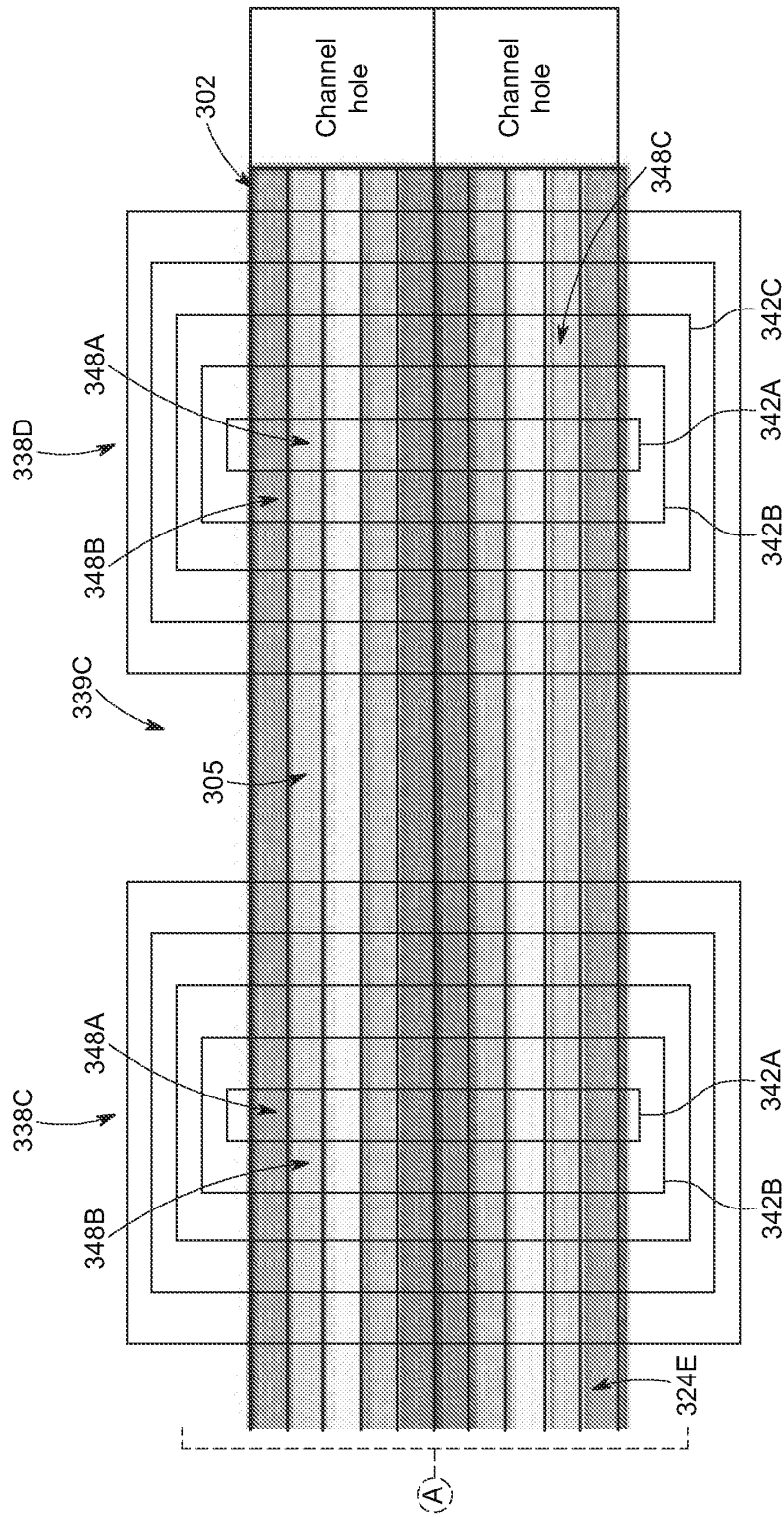
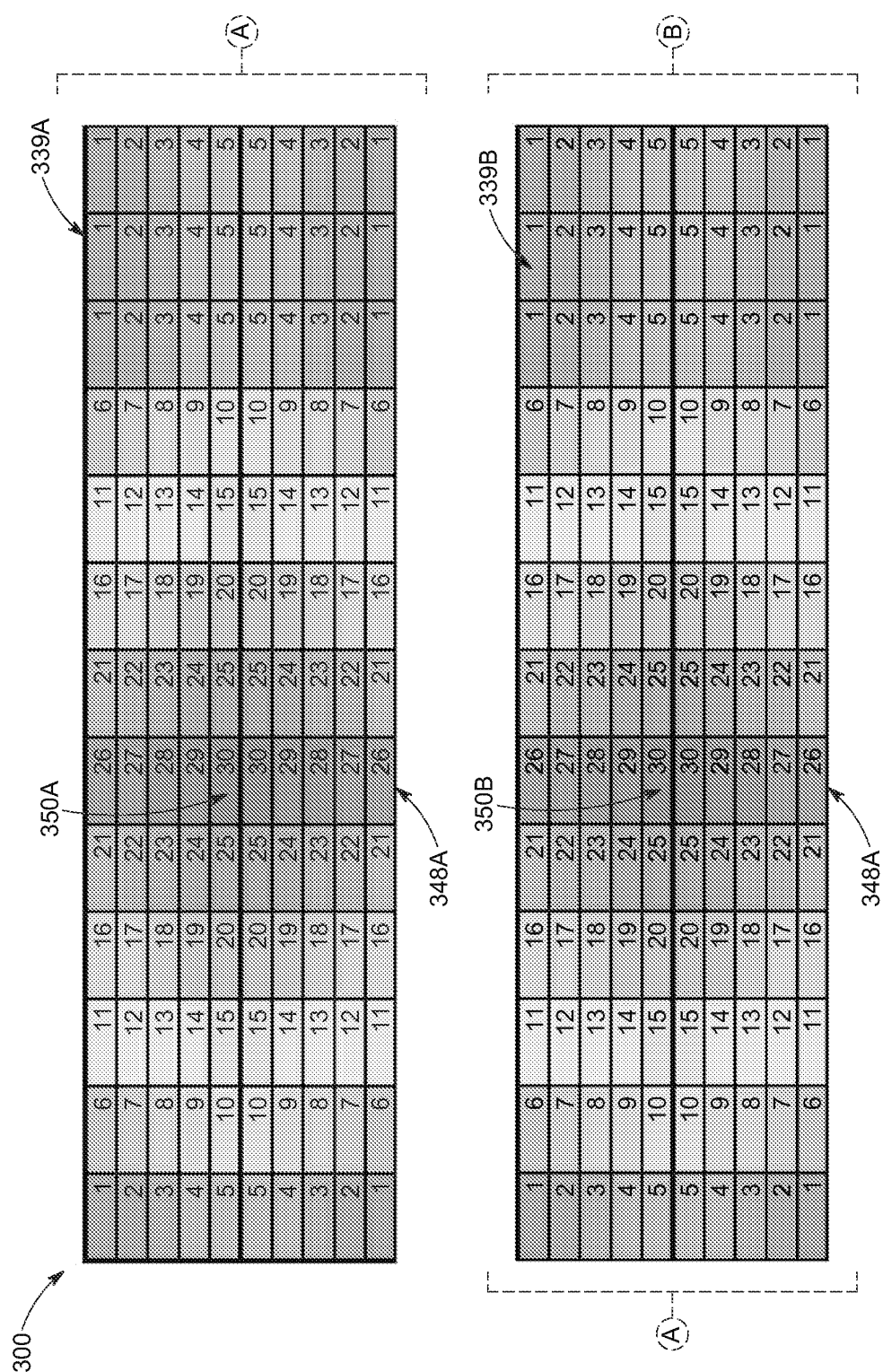
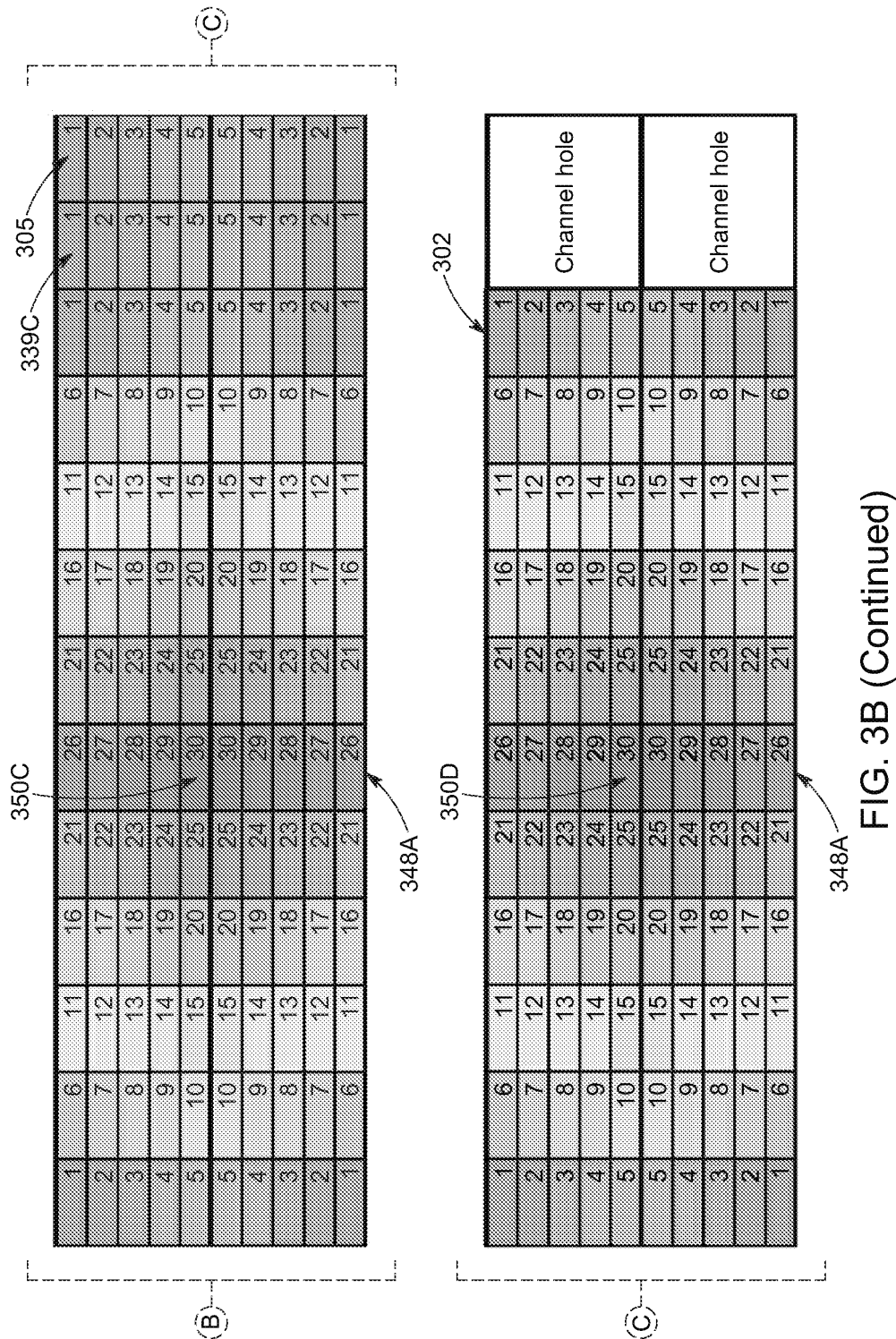
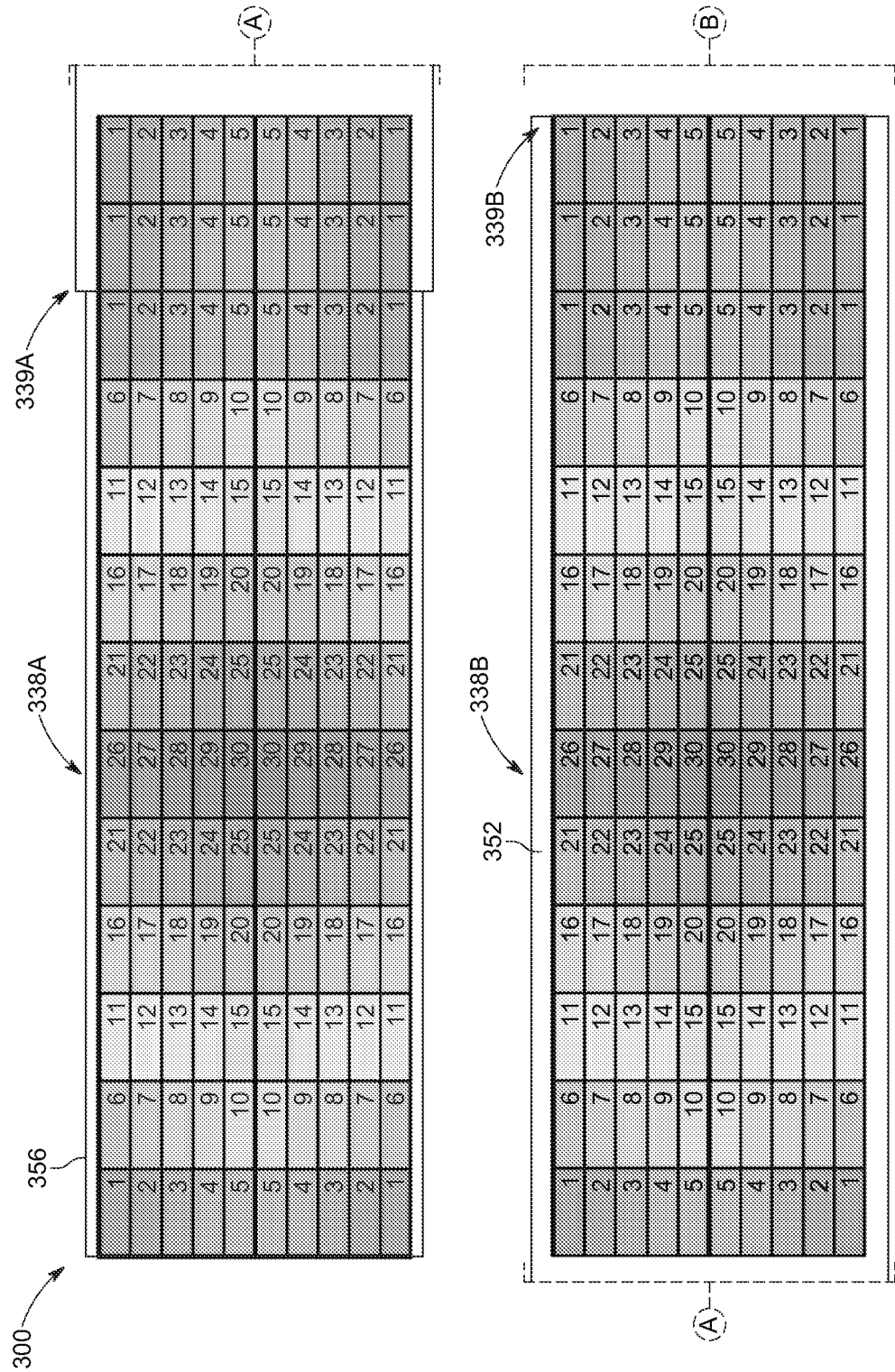


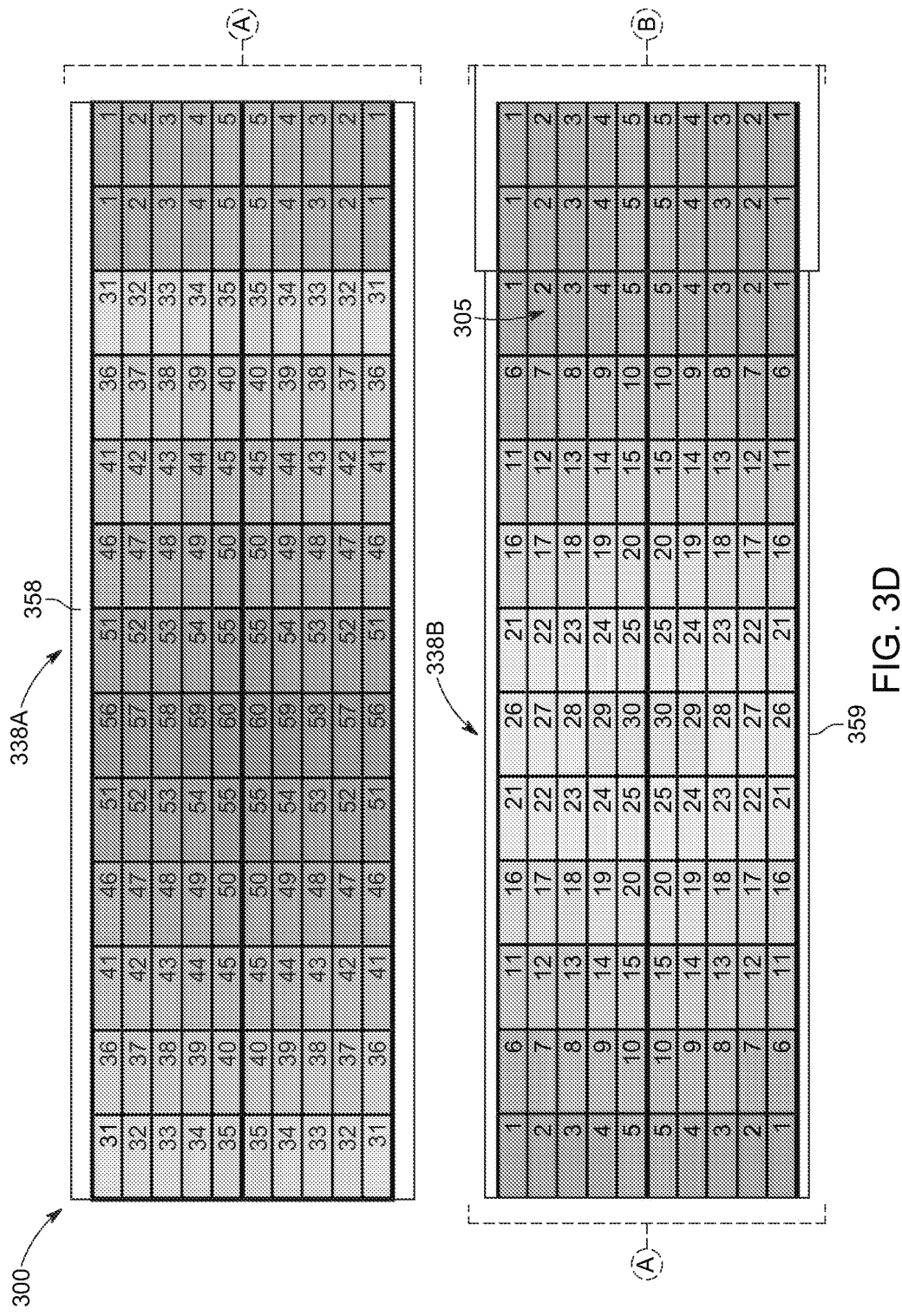
FIG. 3A (Continued)







The figure illustrates a substrate with a grid of openings. The top portion shows a cross-section along line B-B' with a grid of openings labeled 305. The grid is divided into four quadrants by dashed lines B-B' and C-C'. The openings are numbered 1 through 30 in a specific pattern. The bottom portion shows a similar cross-section along line C-C' with a grid of openings labeled 352. This grid is also divided into four quadrants by dashed lines B-B' and C-C'. The openings are numbered 1 through 30 in a specific pattern. Labels 338C, 339C, 338D, and 357 point to specific features or regions within the grids.



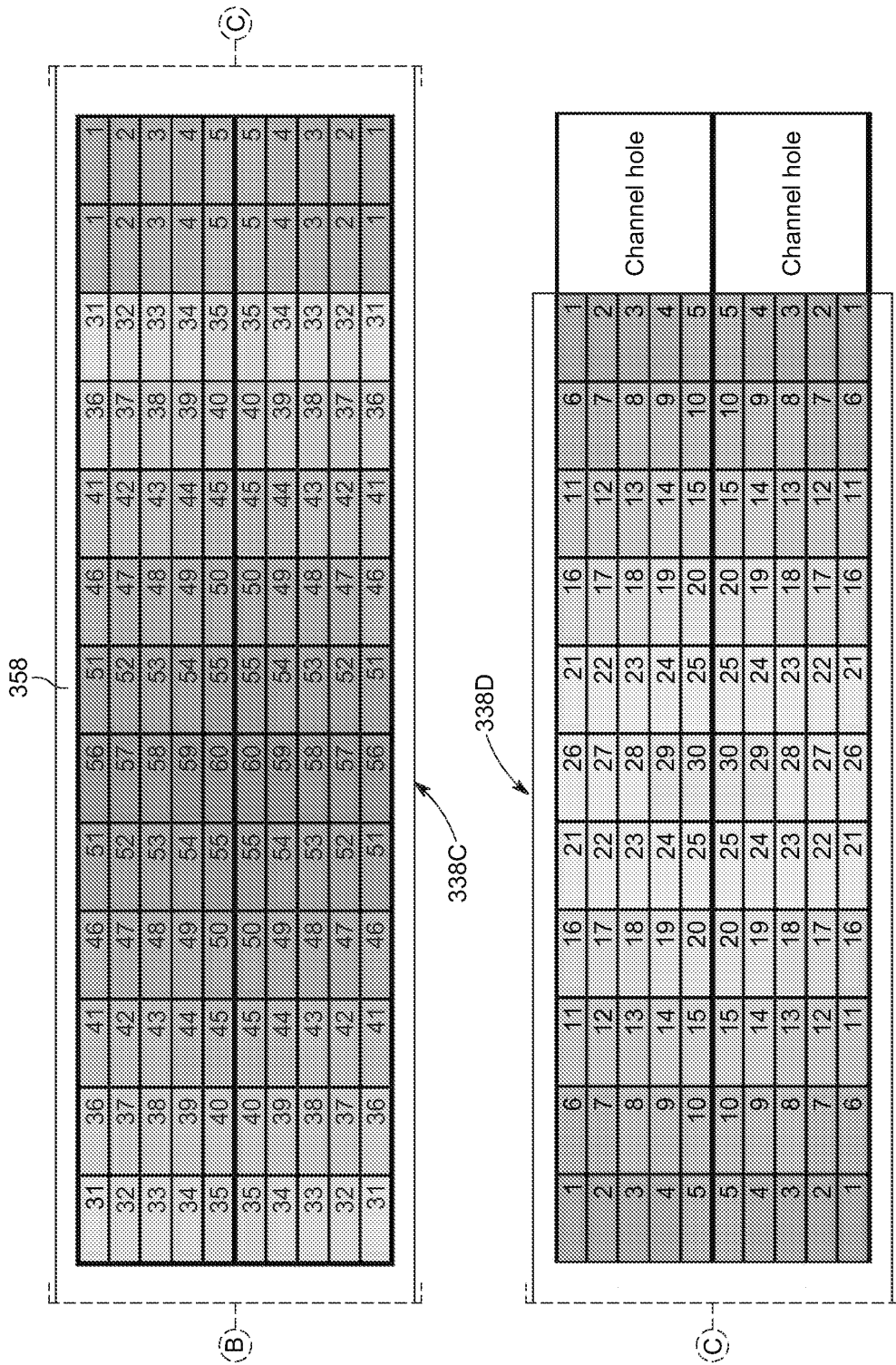


FIG. 3D (Continued)

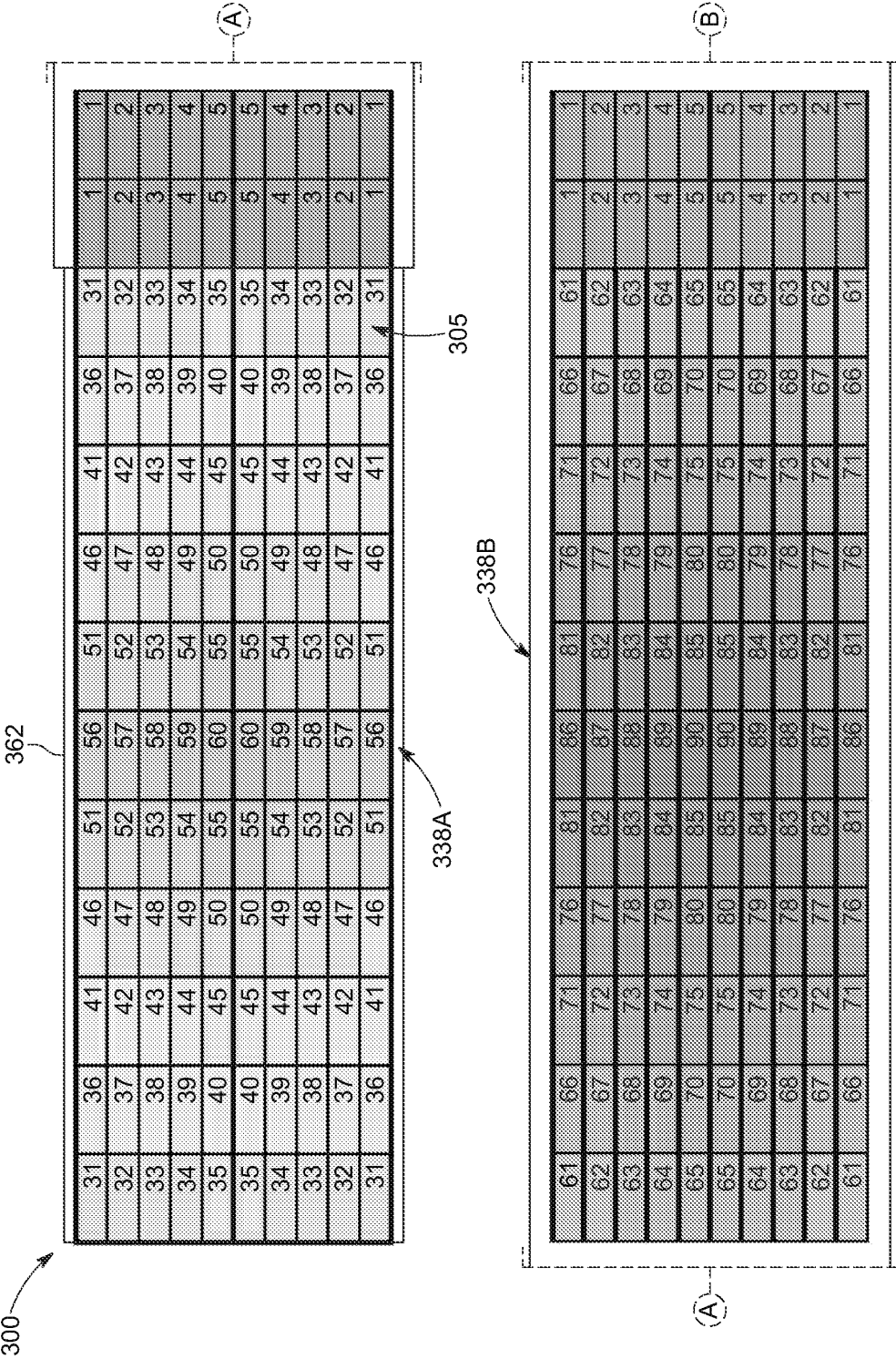
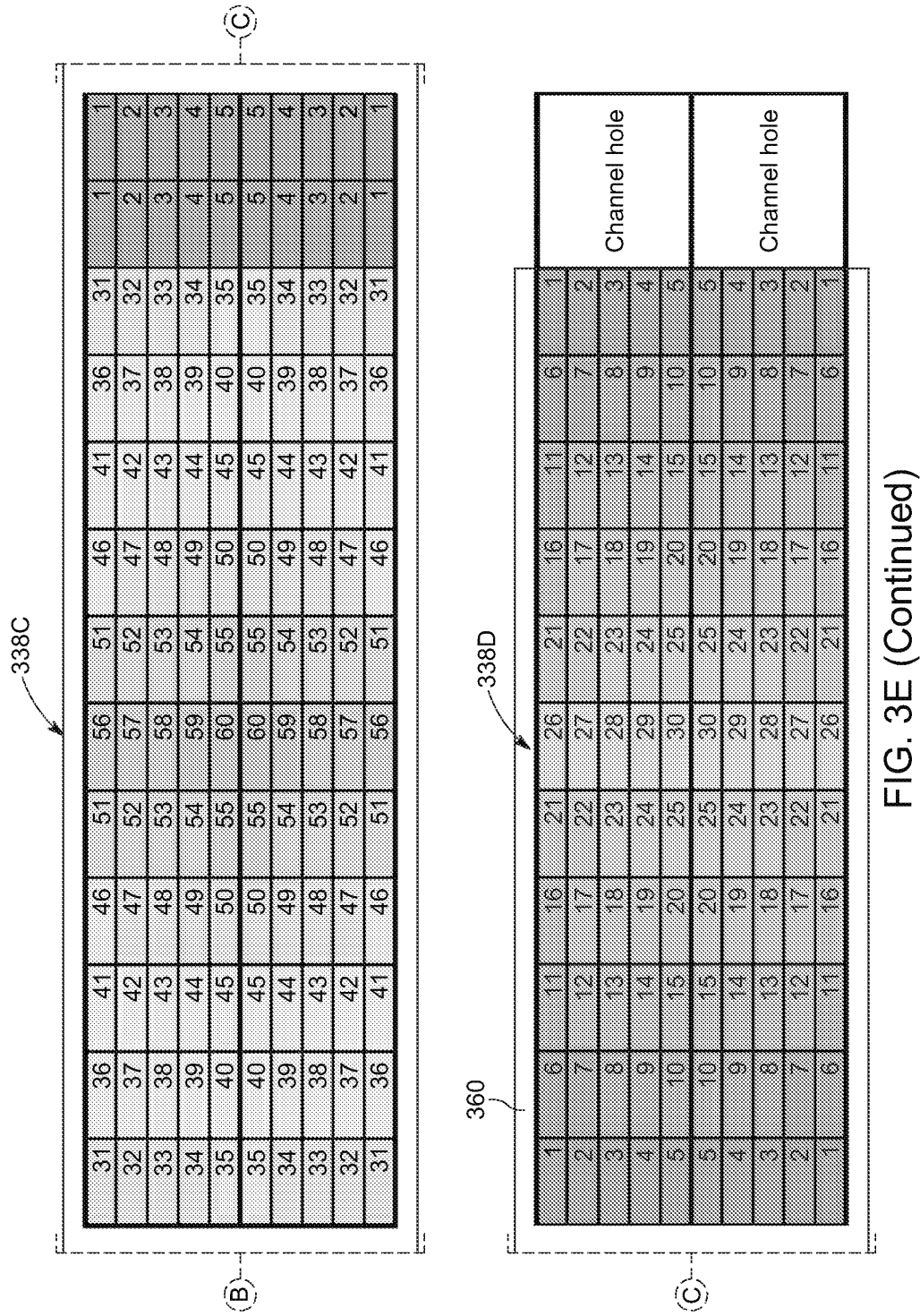
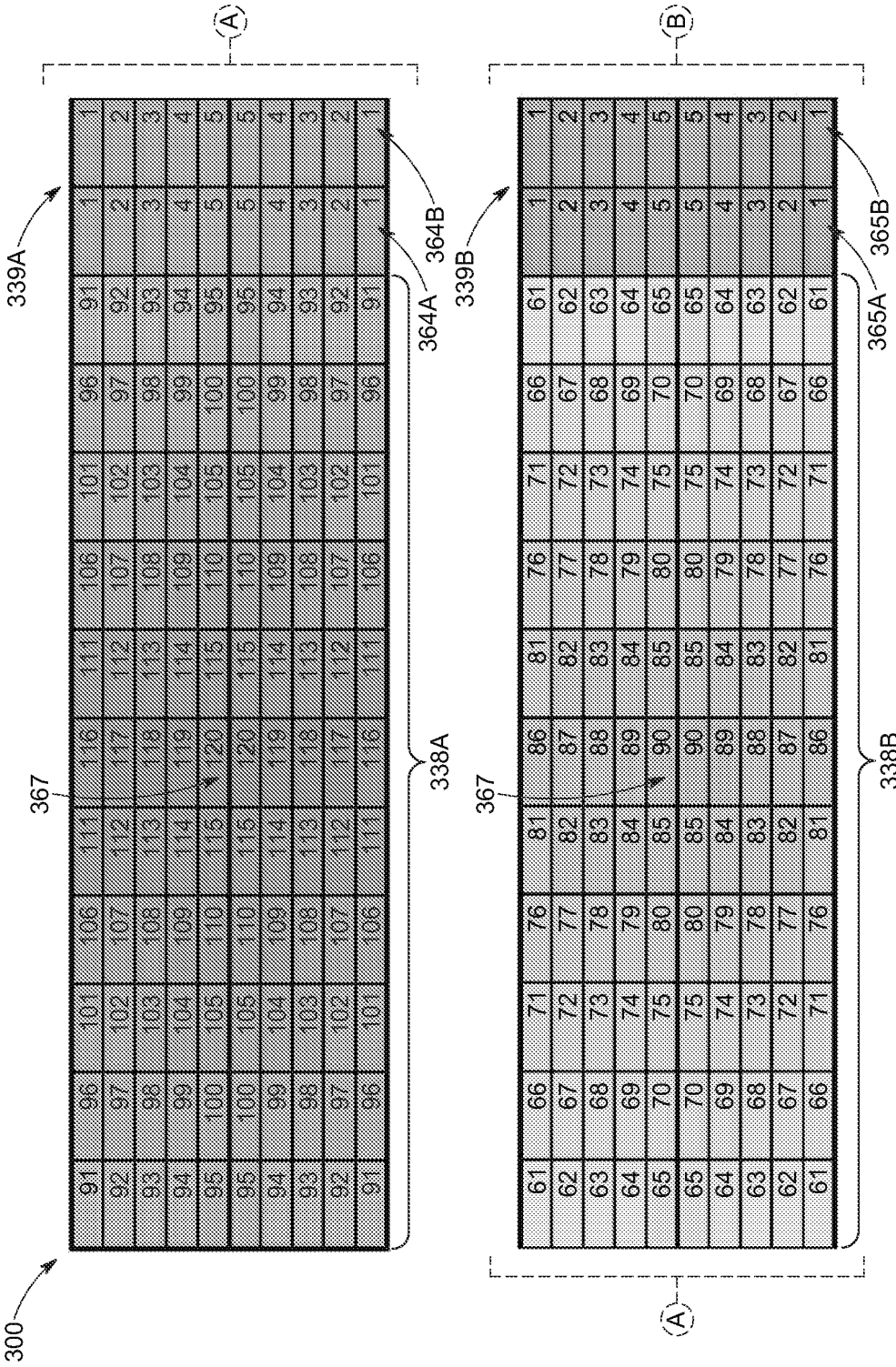
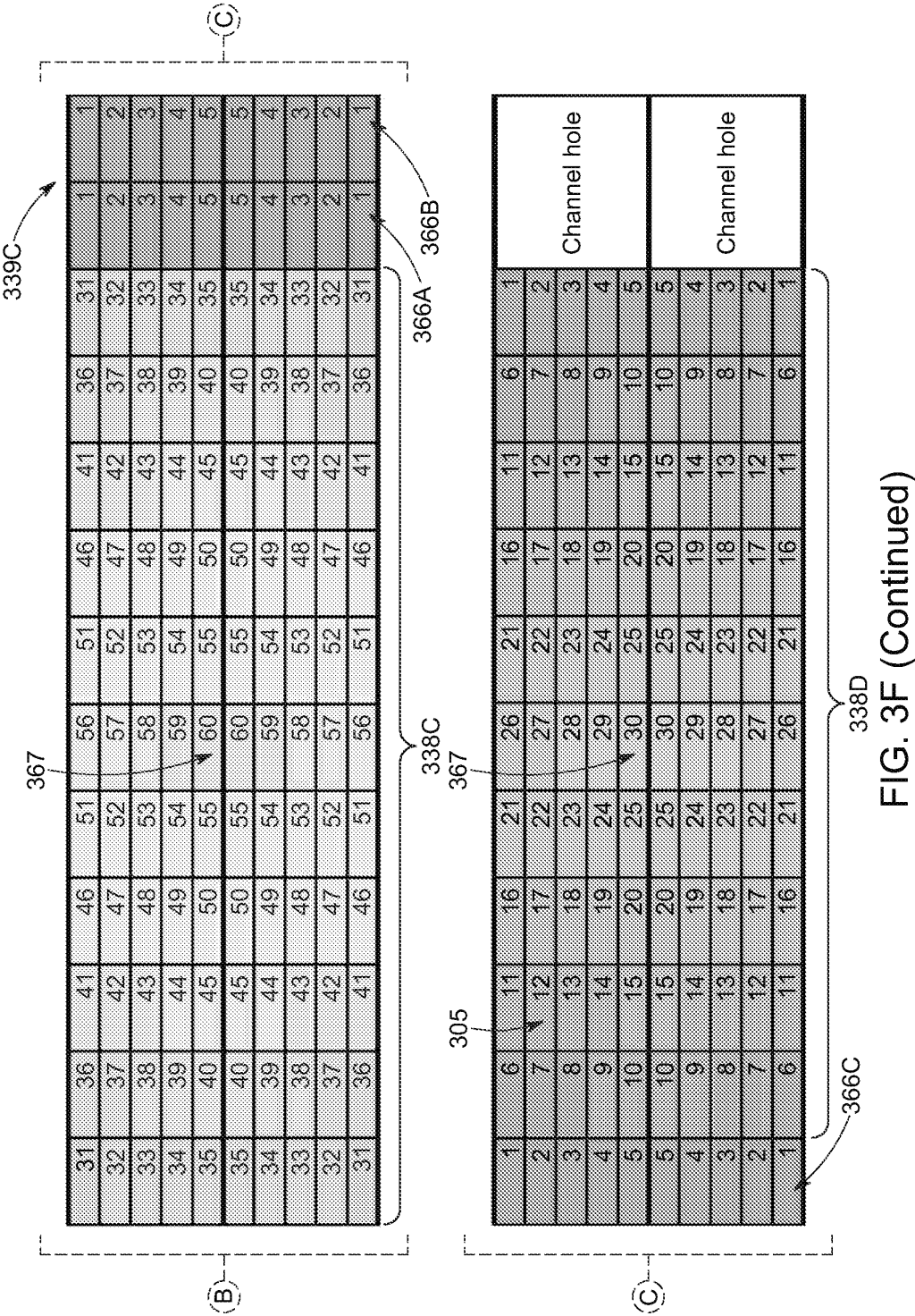


FIG. 3E







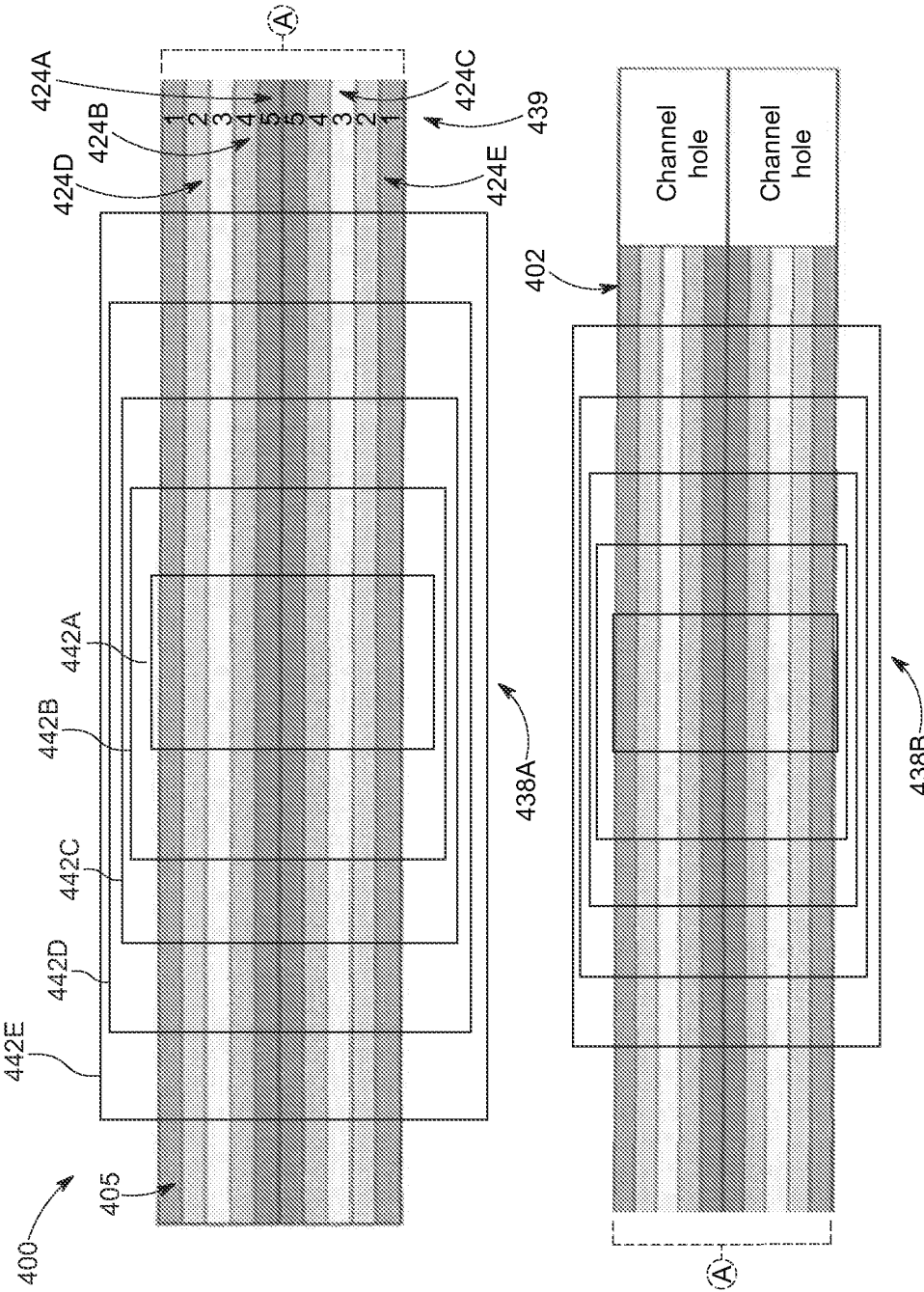


FIG. 4A

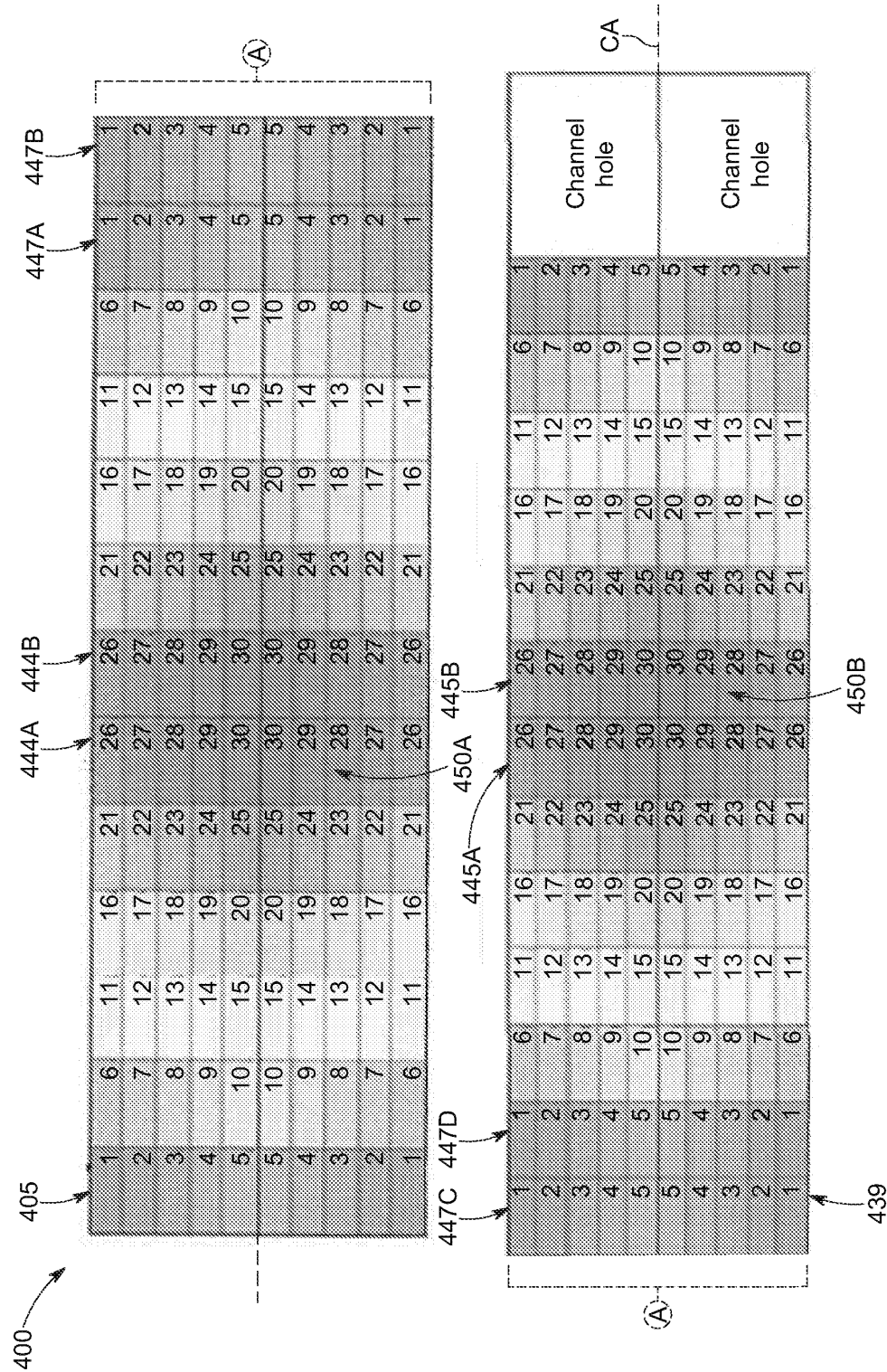


FIG. 4B

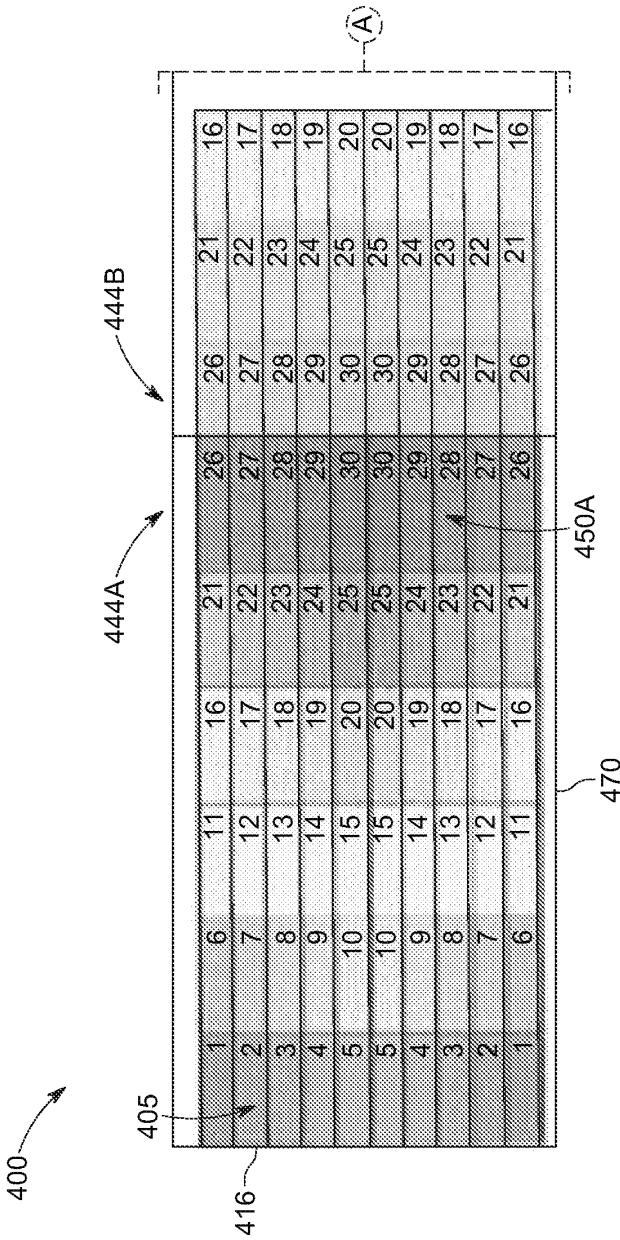


FIG. 4C

(A)										(B)																			
11	6	1	1	1	1	1	1	6	11	16	21	26	445A																
12	7	2	2	2	2	2	2	7	12	17	22	27																	
13	8	3	3	3	3	3	3	8	13	18	23	28																	
14	9	4	4	4	4	4	4	9	14	19	24	29																	
15	10	5	5	5	5	5	5	10	15	20	25	30																	
15	10	5	5	5	5	5	5	10	15	20	25	30																	
14	9	4	4	4	4	4	4	9	14	19	24	29																	
13	8	3	3	3	3	3	3	8	13	18	23	28																	
12	7	2	2	2	2	2	2	7	12	17	22	27																	
11	6	1	1	1	1	1	1	6	11	16	21	26																	
447A										447B										447C									
439										439										439									
472										472										472									
452										452										452									
450B										450B										450B									

(B)

26	21	16	11	6	1	Channel hole
27	22	17	12	7	2	
28	23	18	13	8	3	
29	24	19	14	9	4	
30	25	20	15	10	5	Channel hole
30	25	20	15	10	5	
29	24	19	14	9	4	
28	23	18	13	8	3	
27	22	17	12	7	2	Channel hole
26	21	16	11	6	1	

445B

452

418

FIG. 4C (Continued)

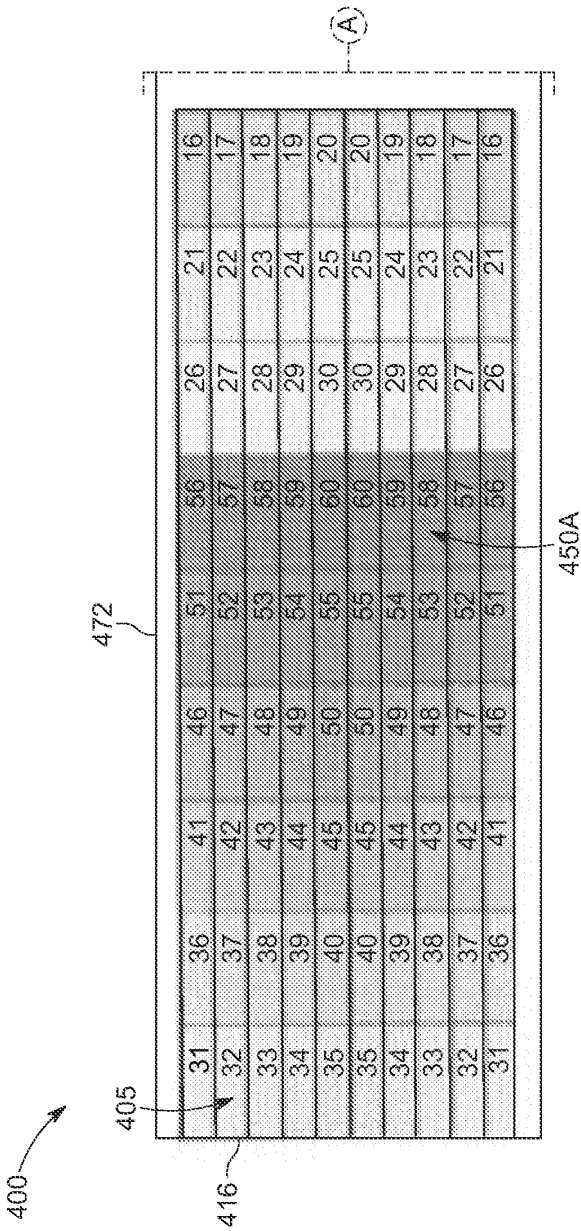


FIG. 4D

(A)										(B)									
11	6	1	1	1	31	36	41	46											
12	7	2	2	2	32	37	42	47											
13	8	3	3	3	33	38	43	48											
14	9	4	4	4	34	39	44	49											
15	10	5	5	5	35	40	45	50											
15	10	5	5	5	35	40	45	50											
14	9	4	4	4	34	39	44	49											
13	8	3	3	3	33	38	43	48											
12	7	2	2	2	32	37	42	47											
11	6	1	1	1	31	36	41	46											

FIG. 4D (Continued)

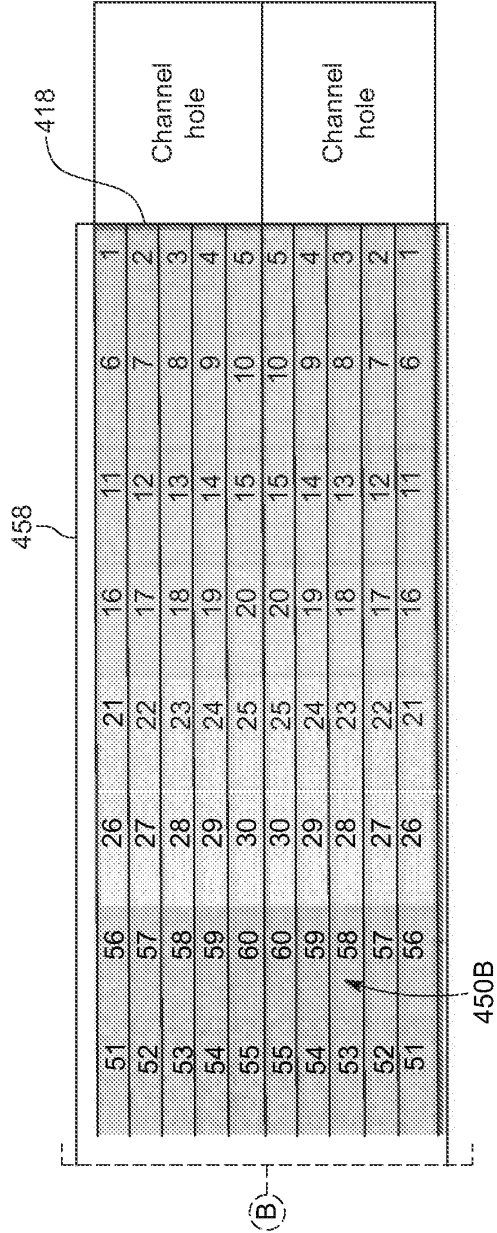
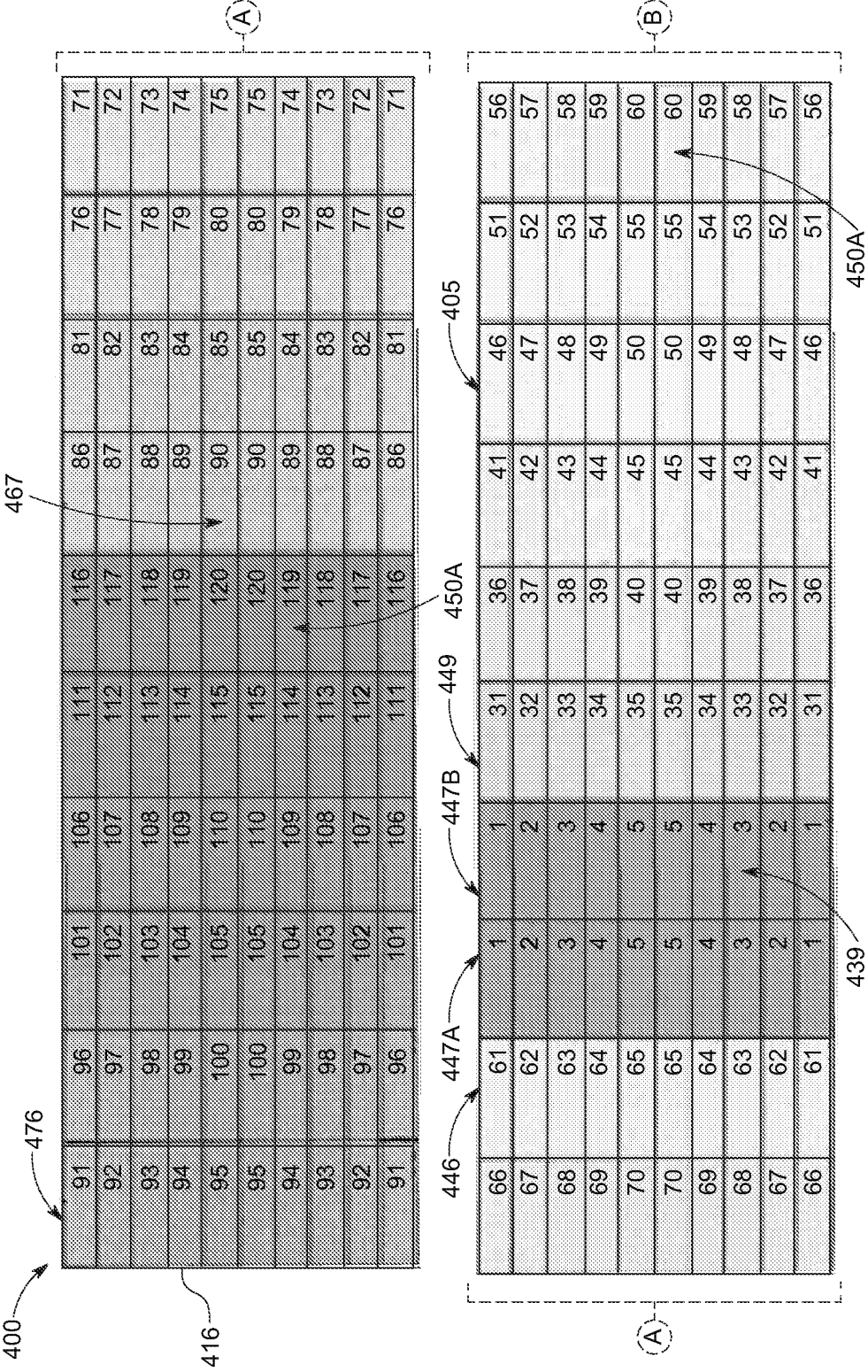


FIG. 4D (Continued)



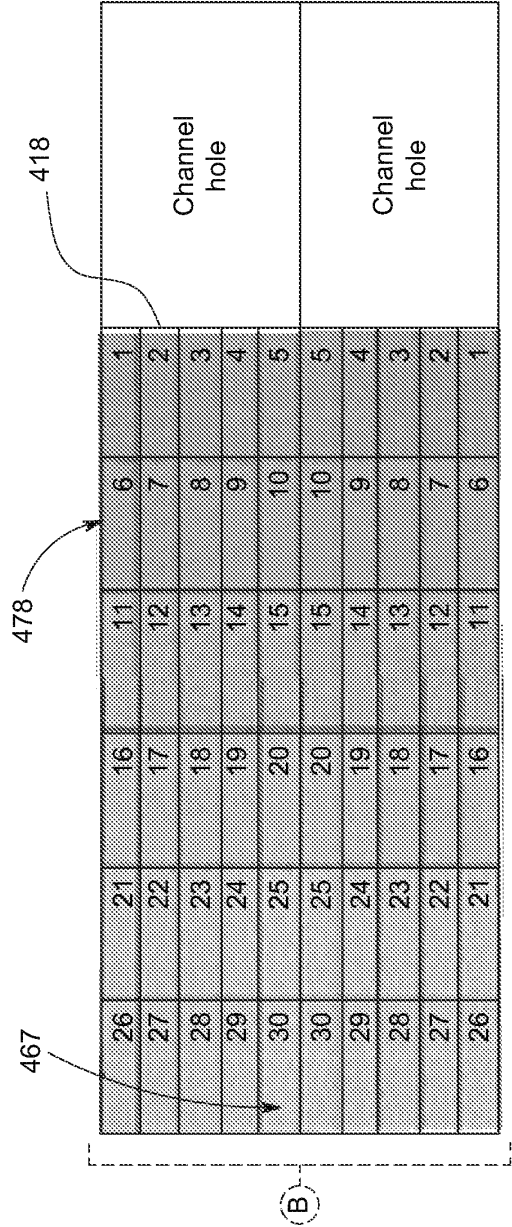


FIG. 4E (Continued)

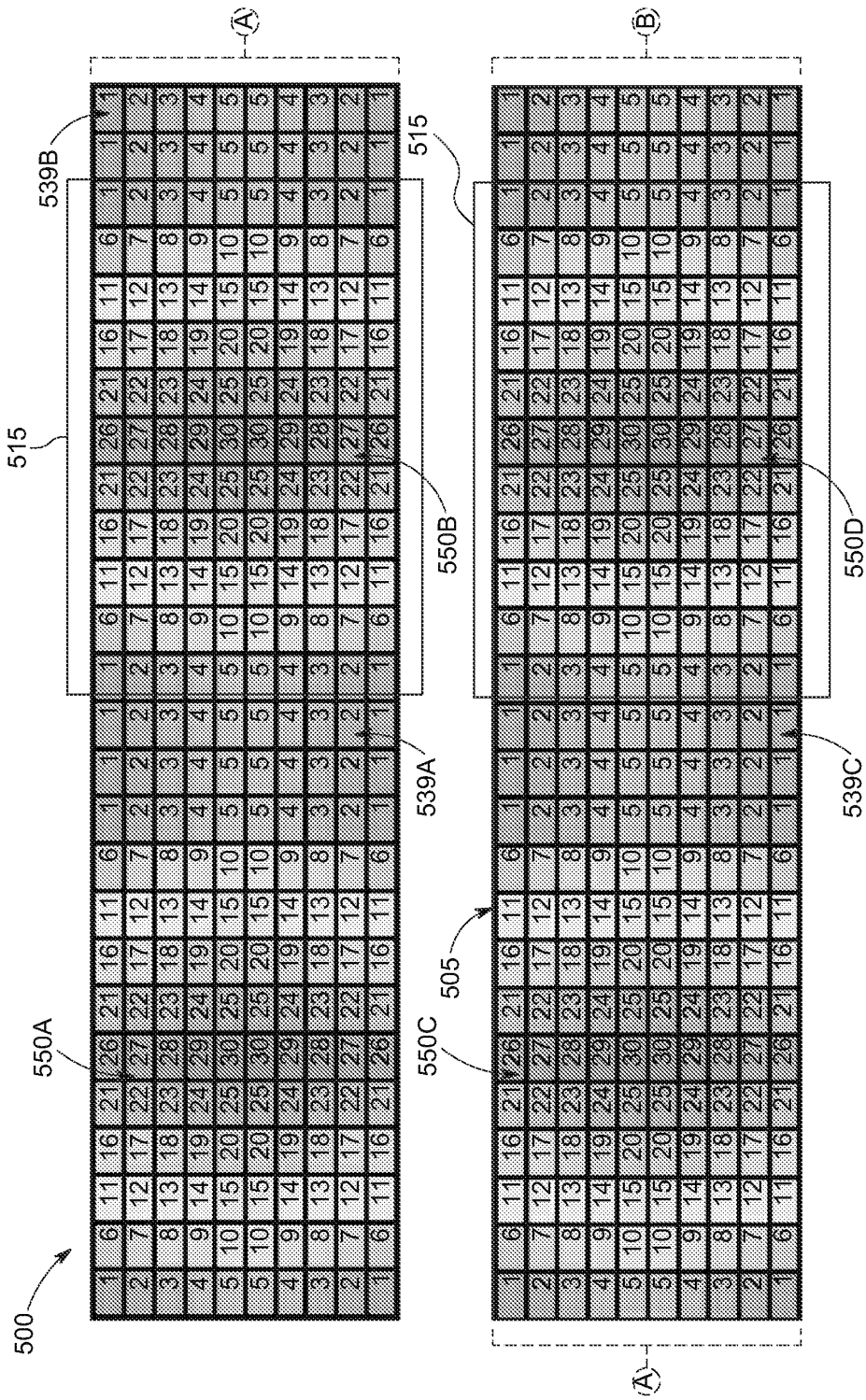


FIG. 5A

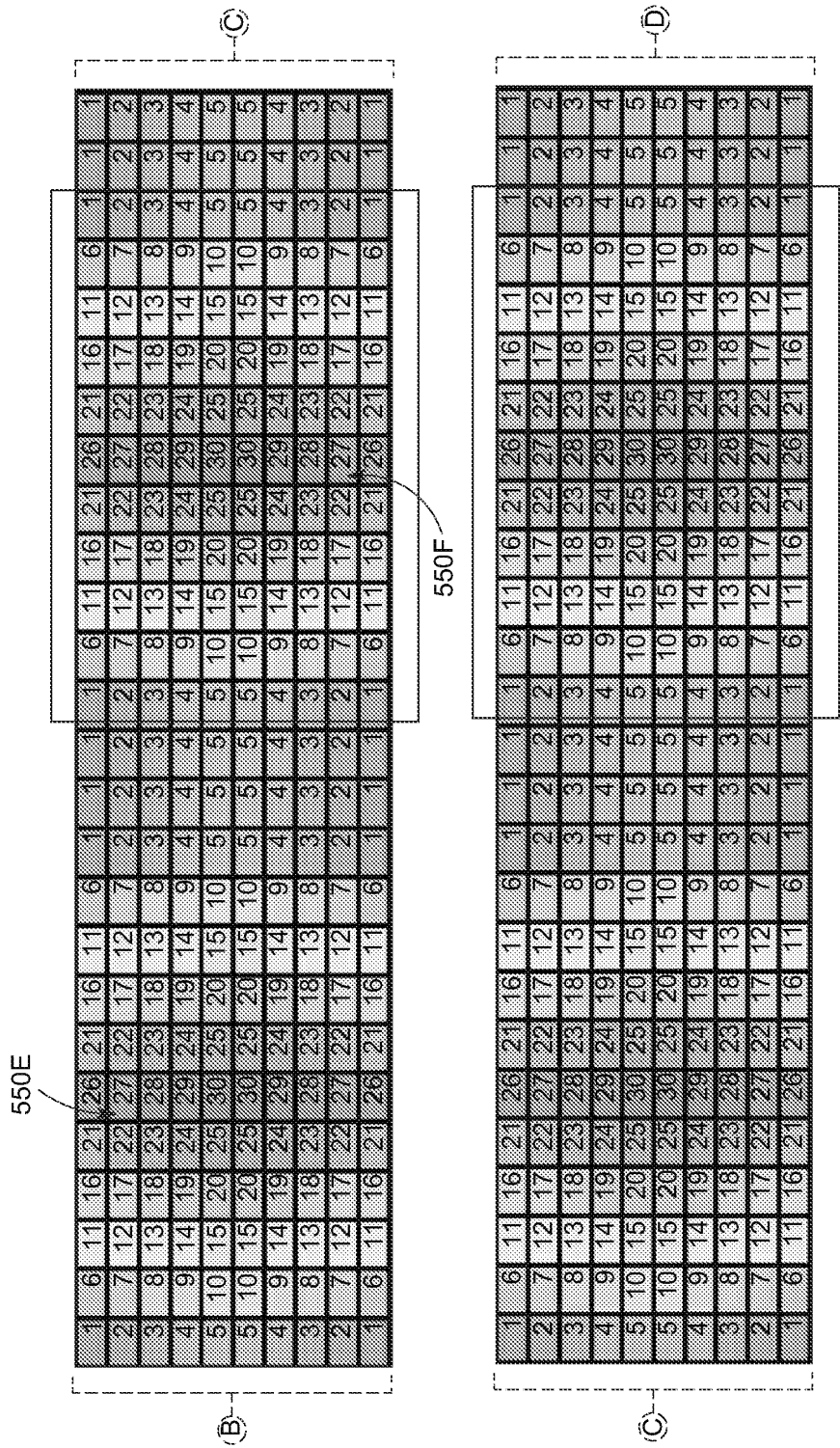


FIG. 5A (Continued)

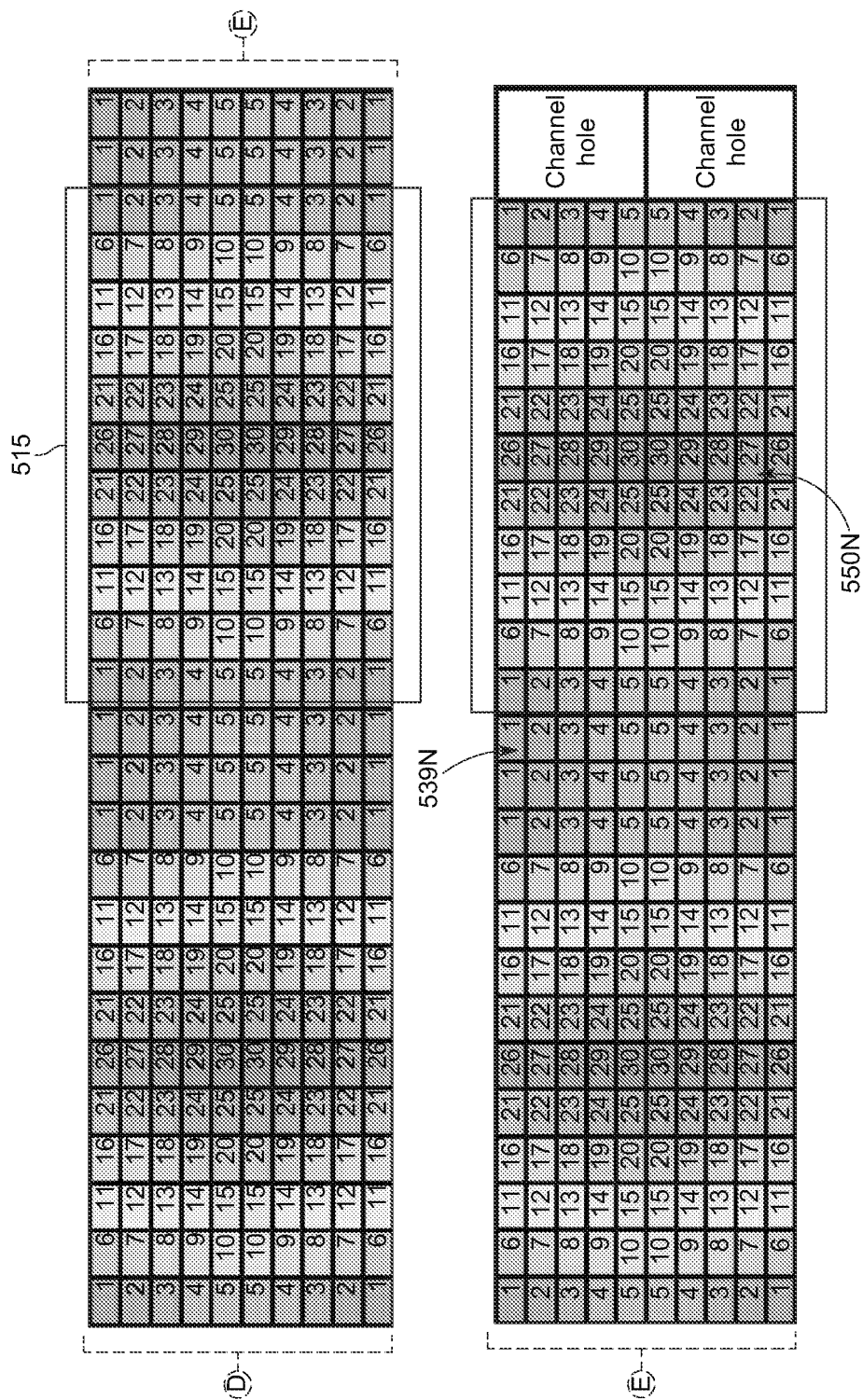


FIG. 5A (Continued)

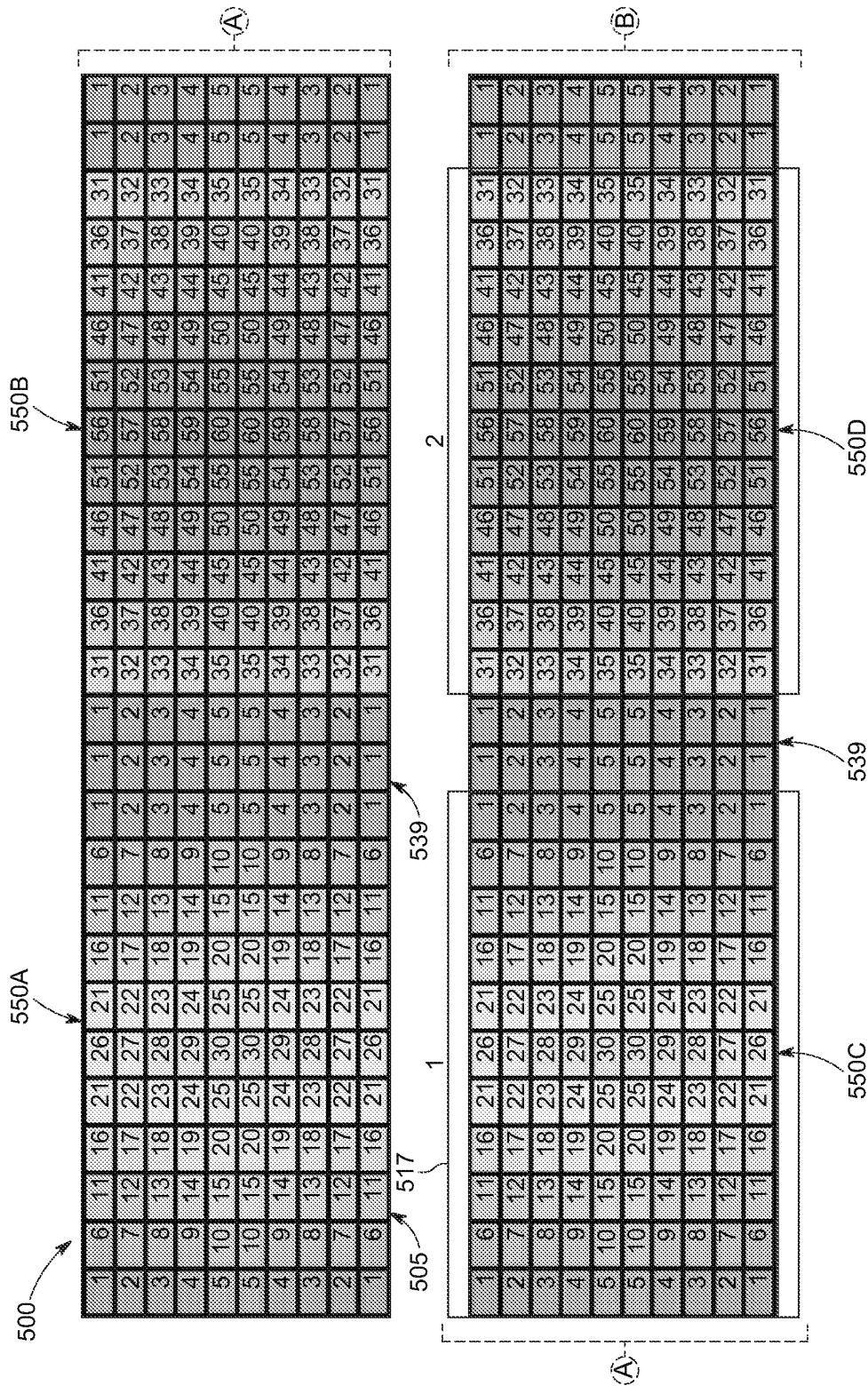
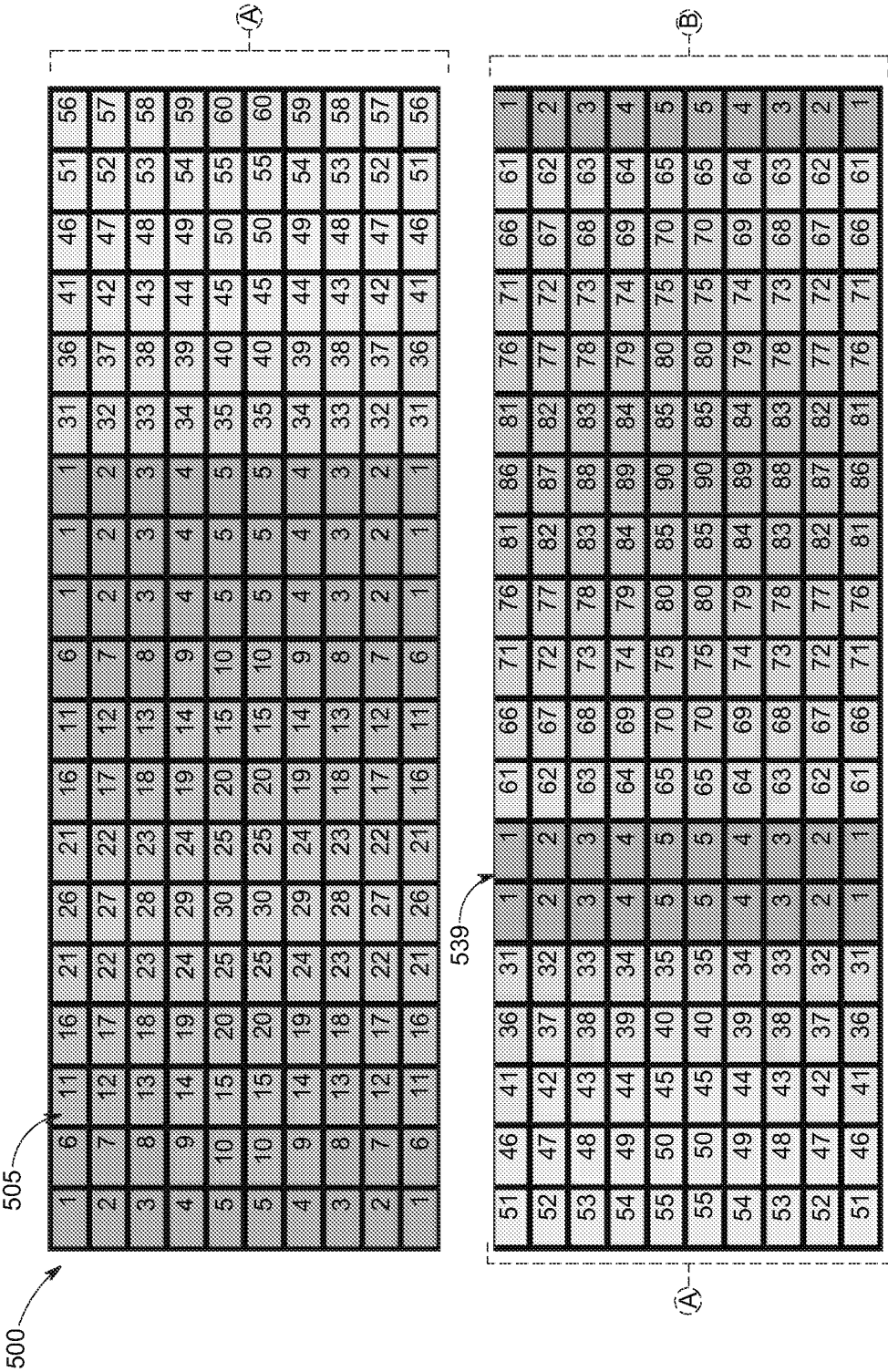


FIG. 5B (Continued)

Figure 1 shows a schematic diagram of a 550I and 550J array layout. The 550I array is a 32x32 grid of cells, with rows and columns numbered 1 to 32. The 550J array is a 32x32 grid of cells, with rows and columns numbered 1 to 32. The 550J array is divided into two 16x16 sub-arrays, each labeled "Channel hole".

FIG. 5B (Continued)



519										1										C									
										1	91	96	101	106	111	116	121	126	131										
										2	92	97	102	107	112	117	122	127	132										
										3	93	98	103	108	113	118	123	128	133										
										4	94	99	104	109	114	119	124	129	134										
										5	95	100	105	110	115	120	125	130	135										
										6	96	101	106	111	116	121	126	131	136										
										7	97	102	107	112	117	122	127	132	137										
										8	98	103	108	113	118	123	128	133	138										
										9	99	104	109	114	119	124	129	134	139										
										2										D									
										1	91	96	101	106	111	116	121	126	131										
										2	92	97	102	107	112	117	122	127	132										
										3	93	98	103	108	113	118	123	128	133										
										4	94	99	104	109	114	119	124	129	134										
										5	95	100	105	110	115	120	125	130	135										
										6	96	101	106	111	116	121	126	131	136										
										7	97	102	107	112	117	122	127	132	137										
										8	98	103	108	113	118	123	128	133	138										
										9	99	104	109	114	119	124	129	134	139										
										550E										D									
										1	21	16	11	6	1	1	1	1	1										
										2	22	17	12	7	2	2	2	2	2										
										3	23	18	13	8	3	3	3	3	3										
										4	24	19	14	9	4	4	4	4	4										
										5	25	20	15	10	5	5	5	5	5										
										6	26	21	16	11	6	6	6	6	6										
										7	27	22	17	12	7	7	7	7	7										
										8	28	23	18	13	8	8	8	8	8										
										9	29	24	19	14	9	9	9	9	9										

FIG. 5C (Continued)

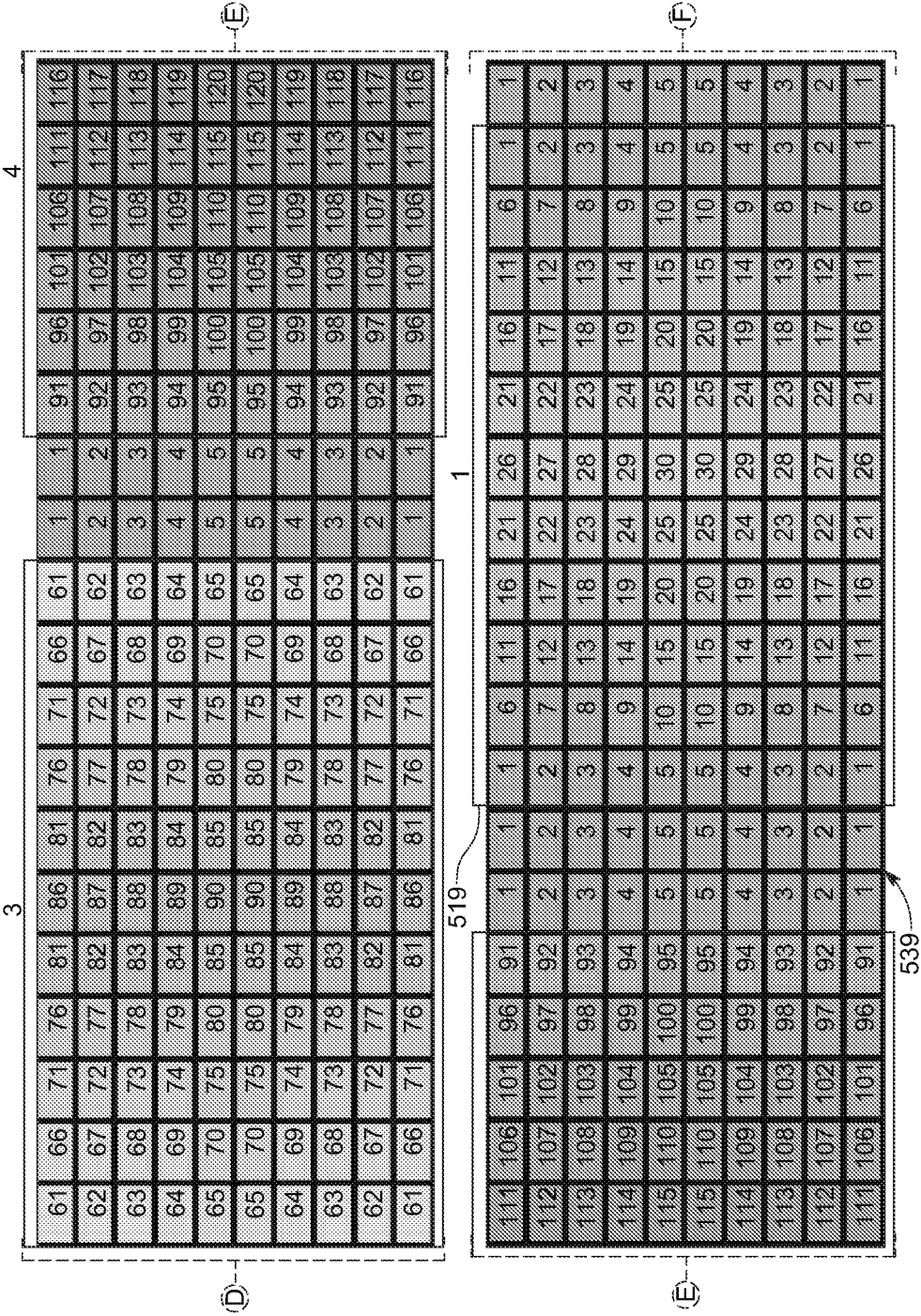
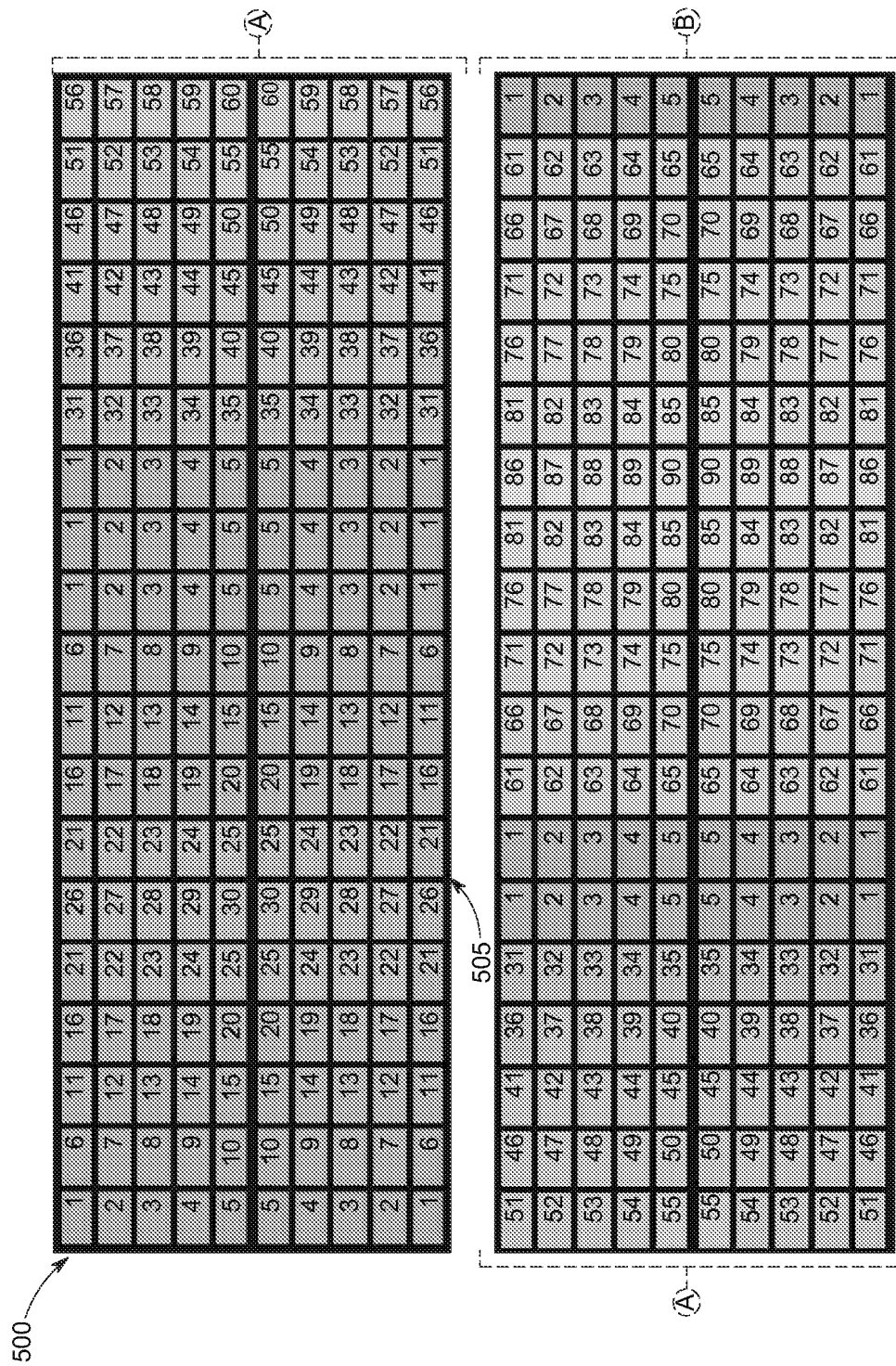


FIG. 5C (Continued)

1	31	36	41	46	51	56	51	46	41	36	31	1	61	66	71	76	81	86
2	32	37	42	47	52	57	52	47	42	37	32	2	62	67	72	77	82	87
3	33	38	43	48	53	58	53	48	43	38	33	3	63	68	73	78	83	88
4	34	39	44	49	54	59	54	49	44	39	34	4	64	69	74	79	84	89
5	35	40	45	50	55	60	55	50	45	40	35	5	65	70	75	80	85	90
5	35	40	45	50	55	60	55	50	45	40	35	5	65	70	75	80	85	90
4	34	39	44	49	54	59	54	49	44	39	34	4	64	69	74	79	84	89
3	33	38	43	48	53	58	53	48	43	38	33	3	63	68	73	78	83	88
2	32	37	42	47	52	57	52	47	42	37	32	2	62	67	72	77	82	87
1	31	36	41	46	51	56	51	46	41	36	31	1	61	66	71	76	81	86

81	76	71	66	61	1	1	91	96	101	106	111	116	111	106	101	96	91
82	77	72	67	62	2	2	92	97	102	107	112	117	112	107	102	97	92
83	78	73	68	63	3	3	93	98	103	108	113	118	113	108	103	98	93
84	79	74	69	64	4	4	94	99	104	109	114	119	114	109	104	99	94
85	80	75	70	65	5	5	95	100	105	110	115	120	115	110	105	100	95
85	80	75	70	65	5	5	95	100	105	110	115	120	115	110	105	100	95
84	79	74	69	64	4	4	94	99	104	109	114	119	114	109	104	99	94
83	78	73	68	63	3	3	93	98	103	108	113	118	113	108	103	98	93
82	77	72	67	62	2	2	92	97	102	107	112	117	112	107	102	97	92
81	76	71	66	61	1	1	91	96	101	106	111	116	111	106	101	96	91



1	91	96	101	106	111	116	111	106	101	96	91	1	1	121	126	131	136	141	146
2	92	97	102	107	112	117	112	107	102	97	92	2	2	122	127	132	137	142	147
3	93	98	103	108	113	118	113	108	103	98	93	3	3	123	128	133	138	143	148
4	94	99	104	109	114	119	114	109	104	99	94	4	4	124	129	134	139	144	149
5	95	100	105	110	115	120	115	110	105	100	95	5	5	125	130	135	140	145	150
5	95	100	105	110	115	120	115	110	105	100	95	5	5	125	130	135	140	145	150
4	94	99	104	109	114	119	114	109	104	99	94	4	4	124	129	134	139	144	149
3	93	98	103	108	113	118	113	108	103	98	93	3	3	123	128	133	138	143	148
2	92	97	102	107	112	117	112	107	102	97	92	2	2	122	127	132	137	142	147
1	91	96	101	106	111	116	111	106	101	96	91	1	1	121	126	131	136	141	146

539

141	136	131	126	121	1	1	151	156	161	166	171	176	171	166	161	156	151	1	1
142	137	132	127	122	2	2	152	157	162	167	172	177	172	167	162	157	152	2	2
143	138	133	128	123	3	3	153	158	163	168	173	178	173	168	163	158	153	3	3
144	139	134	129	124	4	4	154	159	164	169	174	179	174	169	164	159	154	4	4
145	140	135	130	125	5	5	155	160	165	170	175	180	175	170	165	160	155	5	5
145	140	135	130	125	5	5	155	160	165	170	175	180	175	170	165	160	155	5	5
144	139	134	129	124	4	4	154	159	164	169	174	179	174	169	164	159	154	4	4
143	138	133	128	123	3	3	153	158	163	168	173	178	173	168	163	158	153	3	3
142	137	132	127	122	2	2	152	157	162	167	172	177	172	167	162	157	152	2	2
141	136	131	126	121	1	1	151	156	161	166	171	176	171	166	161	156	151	1	1

D	181	186	191	198	201	206	201	196	191	186	181	1	1	211	216	221	226	231	236	231
	182	187	192	197	202	207	202	197	192	187	182	2	2	212	217	222	227	232	237	232
	183	188	193	198	203	208	203	198	193	188	183	3	3	213	218	223	228	233	238	233
	184	189	194	199	204	209	204	199	194	189	184	4	4	214	219	224	229	234	239	234
	185	190	195	200	205	210	205	200	195	190	185	5	5	215	220	225	230	235	240	235
	185	190	195	200	205	210	205	200	195	190	185	5	5	215	220	225	230	235	240	235
	184	189	194	199	204	209	204	199	194	189	184	4	4	214	219	224	229	234	239	234
	183	188	193	198	203	208	203	198	193	188	183	3	3	213	218	223	228	233	238	233
	182	187	192	197	202	207	202	197	192	187	182	2	2	212	217	222	227	232	237	232
	181	186	191	196	201	206	201	196	191	186	181	1	1	211	216	221	226	231	236	231
E	521																			
	539																			
	1																			
	226	221	216	211	1	1	121	126	131	136	141	146	141	136	131	126	121	1	1	151
	227	222	217	212	2	2	122	127	132	137	142	147	142	137	132	127	122	2	2	152
	228	223	218	213	3	3	123	128	133	138	143	148	143	138	133	128	123	3	3	153
	229	224	219	214	4	4	124	129	134	139	144	149	144	139	134	129	124	4	4	154
	230	225	220	215	5	5	125	130	135	140	145	150	145	140	135	130	125	5	5	155
	230	225	220	215	5	5	125	130	135	140	145	150	145	140	135	130	125	5	5	155
	229	224	219	214	4	4	124	129	134	139	144	149	144	139	134	129	124	4	4	154
	228	223	218	213	3	3	123	128	133	138	143	148	143	138	133	128	123	3	3	153
E	227	222	217	212	2	2	122	127	132	137	142	147	142	137	132	127	122	2	2	152
	226	221	216	211	1	1	121	126	131	136	141	146	141	136	131	126	121	1	1	151

FIG. 5D (Continued)

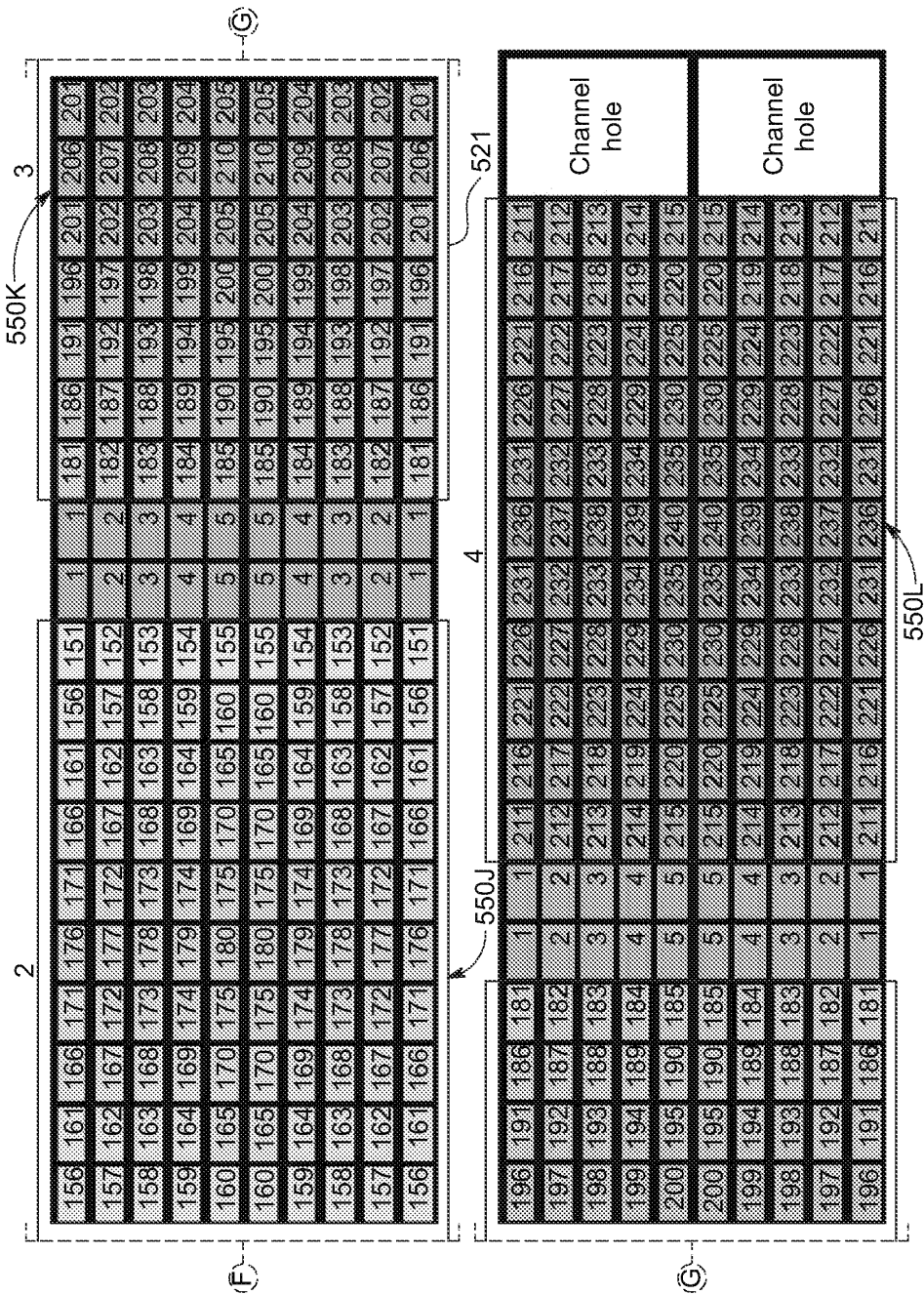


FIG. 5D (Continued)

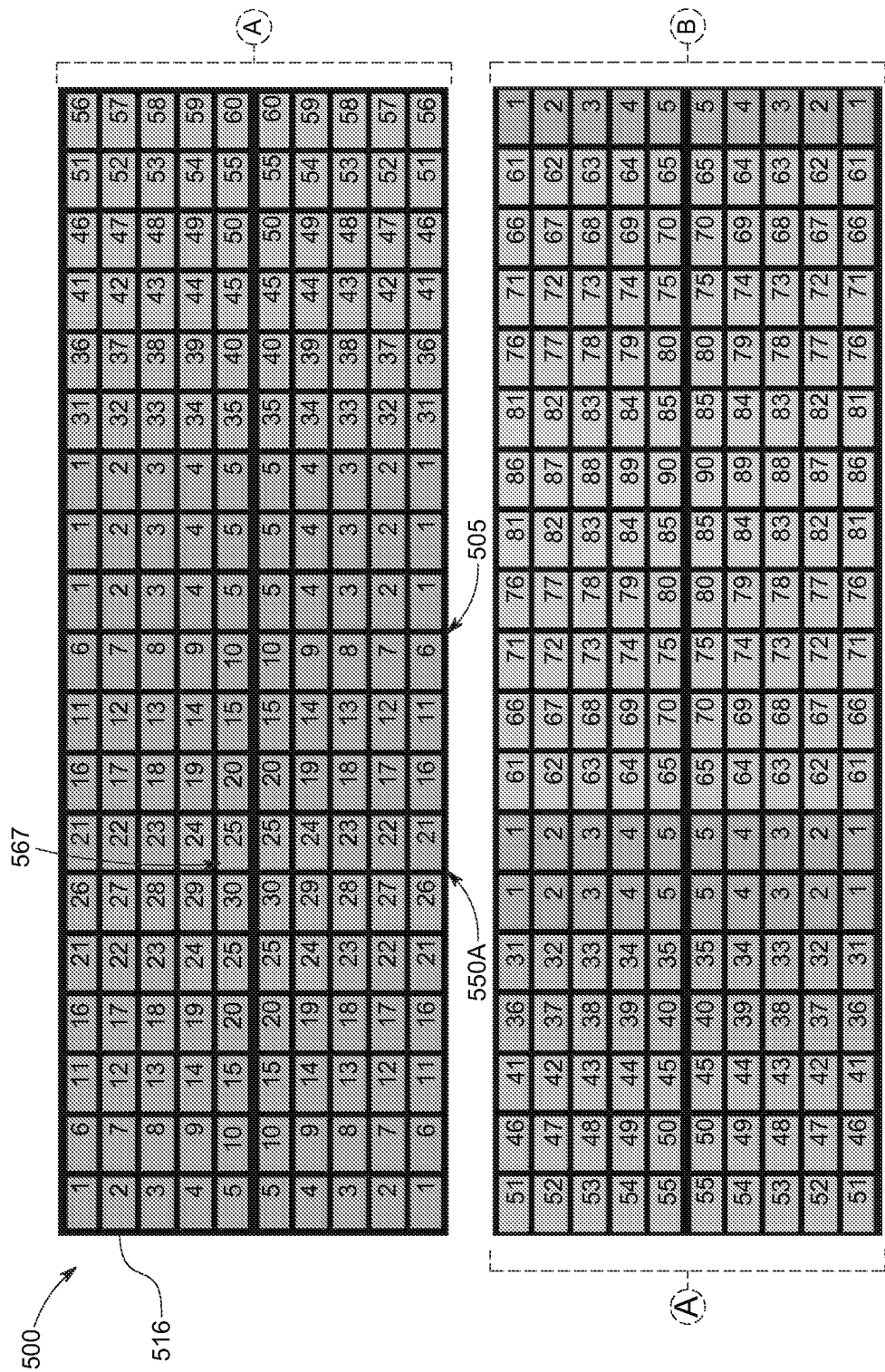


FIG. 5E

539	1	91	96	101	106	111	116	111	106	101	96	91	1	1	121	126	131	136	141	146
	2	92	97	102	107	112	117	112	107	102	97	92	2	2	122	127	132	137	142	147
	3	93	98	103	108	113	118	113	108	103	98	93	3	3	123	128	133	138	143	148
	4	94	99	104	109	114	119	114	109	104	99	94	4	4	124	129	134	139	144	149
	5	95	100	105	110	115	120	115	110	105	100	95	5	5	125	130	135	140	145	150
567	5	95	100	105	110	115	120	115	110	105	100	95	5	5	125	130	135	140	145	150
	4	94	99	104	109	114	119	114	109	104	99	94	4	4	124	129	134	139	144	149
	3	93	98	103	108	113	118	113	108	103	98	93	3	3	123	128	133	138	143	148
	2	92	97	102	107	112	117	112	107	102	97	92	2	2	122	127	132	137	142	147
	1	91	96	101	106	111	116	111	106	101	96	91	1	1	121	126	131	136	141	146
567	141	136	131	126	121	1	1	151	156	161	166	171	176	171	166	161	156	151	1	1
	142	137	132	127	122	2	2	152	157	162	167	172	177	172	167	162	157	152	2	2
	143	138	133	128	123	3	3	153	158	163	168	173	178	173	168	163	158	153	3	3
	144	139	134	129	124	4	4	154	159	164	169	174	179	174	169	164	159	154	4	4
	145	140	135	130	125	5	5	155	160	165	170	175	180	175	170	165	160	155	5	5
567	145	140	135	130	125	5	5	155	160	165	170	175	180	175	170	165	160	155	5	5
	144	139	134	129	124	4	4	154	159	164	169	174	179	174	169	164	159	154	4	4
	143	138	133	128	123	3	3	153	158	163	168	173	178	173	168	163	158	153	3	3
	142	137	132	127	122	2	2	152	157	162	167	172	177	172	167	162	157	152	2	2
	141	136	131	126	121	1	1	151	156	161	166	171	176	171	166	161	156	151	1	1

FIG. 5E (Continued)

D										E									
181	186	191	196	201	206	201	196	191	186	181	1	1	211	216	221	226	231	236	231
182	187	192	197	202	207	202	197	192	187	182	2	2	212	217	222	227	232	237	232
183	188	193	198	203	208	203	198	193	188	183	3	3	213	218	223	228	233	238	233
184	189	194	199	204	209	204	199	194	189	184	4	4	214	219	224	229	234	239	234
185	190	195	200	205	210	205	200	195	190	185	5	5	215	220	225	230	235	240	235
185	190	195	200	205	210	205	200	195	190	185	5	5	215	220	225	230	235	240	235
184	189	194	199	204	209	204	199	194	189	184	4	4	214	219	224	229	234	239	234
183	188	193	198	203	208	203	198	193	188	183	3	3	213	218	223	228	233	238	233
182	187	192	197	202	207	202	197	192	187	182	2	2	212	217	222	227	232	237	232
181	186	191	196	201	206	201	196	191	186	181	1	1	211	216	221	226	231	236	231

567

E										F									
226	221	216	211	1	1	241	246	251	256	261	266	261	256	251	246	241	1	1	271
227	222	217	212	2	2	242	247	252	257	262	267	262	257	252	247	242	2	2	272
228	223	218	213	3	3	243	248	253	258	263	268	263	258	253	248	243	3	3	273
229	224	219	214	4	4	244	249	254	259	264	269	264	259	254	249	244	4	4	274
230	225	220	215	5	5	245	250	255	260	265	270	265	260	255	250	245	5	5	275
230	225	220	215	5	5	245	250	255	260	265	270	265	260	255	250	245	5	5	275
229	224	219	214	4	4	244	249	254	259	264	269	264	259	254	249	244	4	4	274
228	223	218	213	3	3	243	248	253	258	263	268	263	258	253	248	243	3	3	273
227	222	217	212	2	2	242	247	252	257	262	267	262	257	252	247	242	2	2	272
226	221	216	211	1	1	241	246	251	256	261	266	261	256	251	246	241	1	1	271

567

539

FIG. 5E (Continued)

276	281	286	291	296	281	276	271	1	301	306	311	316	321	326	321
277	282	287	292	297	282	277	272	2	302	307	312	317	322	327	322
278	283	288	293	298	283	278	273	3	303	308	313	318	323	328	323
279	284	289	294	299	284	279	274	4	304	309	314	319	324	329	324
280	285	290	295	300	285	280	275	5	305	310	315	320	325	330	325
280	285	290	295	300	285	280	275	5	305	310	315	320	325	330	325
279	284	289	294	299	284	279	274	4	304	309	314	319	324	329	324
278	283	288	293	298	283	278	273	3	303	308	313	318	323	328	323
277	282	287	292	297	282	277	272	2	302	307	312	317	322	327	322
276	281	286	291	296	281	276	271	1	301	306	311	316	321	326	321

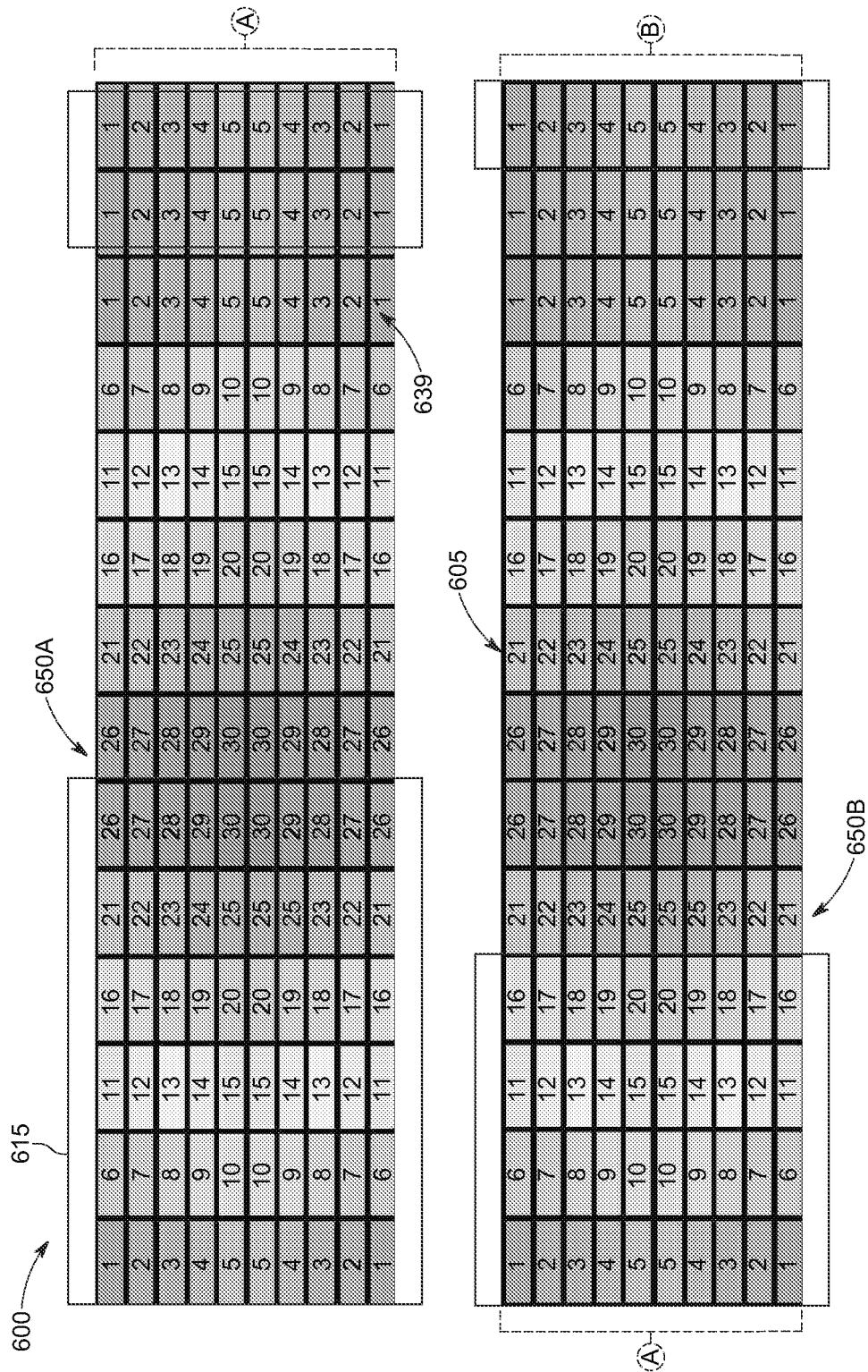
518

316	311	306	301	1	1	331	336	341	346	351	356	351	346	341	336	331
317	312	307	302	2	2	332	337	342	347	352	357	352	347	342	337	332
318	313	308	303	3	3	333	338	343	348	353	358	353	348	343	338	333
319	314	309	304	4	4	334	339	344	349	354	359	354	349	344	339	334
320	315	310	305	5	5	335	340	345	350	355	360	355	350	345	340	335
320	315	310	305	5	5	335	340	345	350	355	360	355	350	345	340	335
319	314	309	304	4	4	334	339	344	349	354	359	354	349	344	339	334
318	313	308	303	3	3	333	338	343	348	353	358	353	348	343	338	333
317	312	307	302	2	2	332	337	342	347	352	357	352	347	342	337	332
316	311	306	301	1	1	331	336	341	346	351	356	351	346	341	336	331

Channel hole

Channel hole

FIG. 5E (Continued)



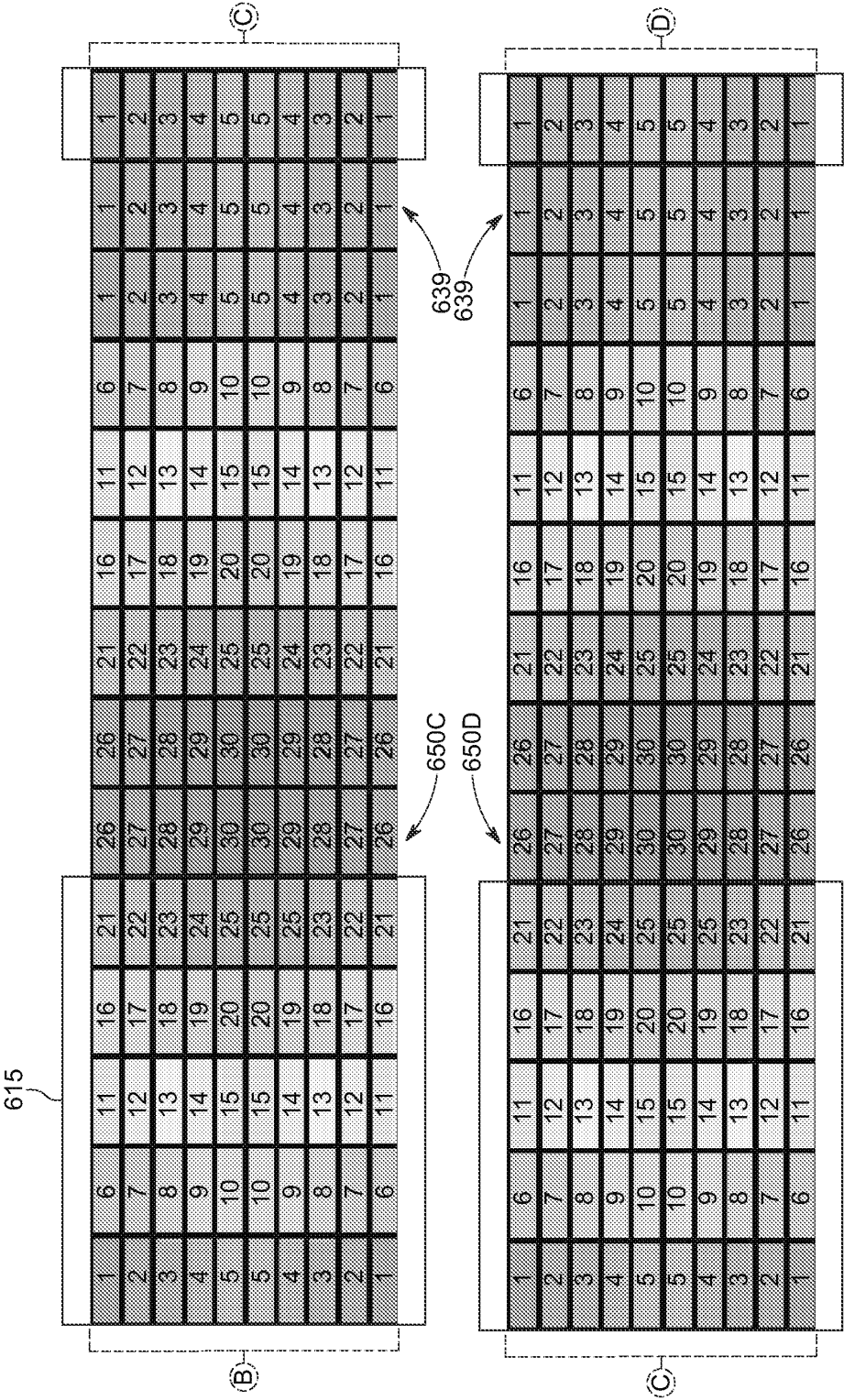
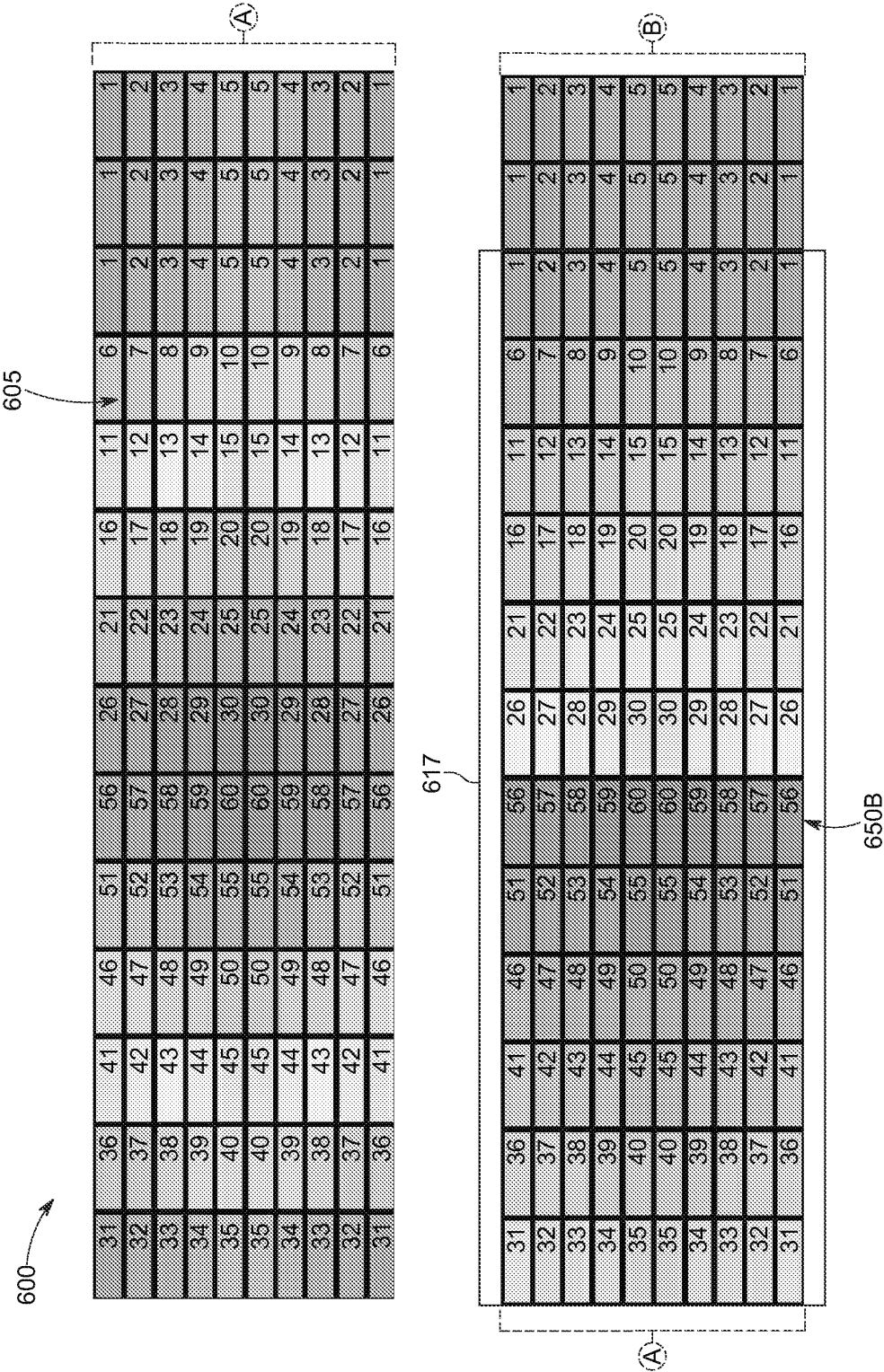


FIG. 6A (Continued)



(B)										(C)									
31	36	41	46	51	56	26	21	16	11	6	1	1	1	1	1	1	1	1	1
32	37	42	47	52	57	27	22	17	12	7	2	2	2	2	2	2	2	2	2
33	38	43	48	53	58	28	23	18	13	8	3	3	3	3	3	3	3	3	3
34	39	44	49	54	59	29	24	19	14	9	4	4	4	4	4	4	4	4	4
35	40	45	50	55	60	30	25	20	15	10	5	5	5	5	5	5	5	5	5
35	40	45	50	55	60	30	25	20	15	10	5	5	5	5	5	5	5	5	5
34	39	44	49	54	59	29	24	19	14	9	4	4	4	4	4	4	4	4	4
33	38	43	48	53	58	28	23	18	13	8	3	3	3	3	3	3	3	3	3
32	37	42	47	52	57	27	22	17	12	7	2	2	2	2	2	2	2	2	2
31	36	41	46	51	56	26	21	16	11	6	1	1	1	1	1	1	1	1	1

617

650D

(C)										(D)									
31	36	41	46	51	56	26	21	16	11	6	1	1	1	1	1	1	1	1	1
32	37	42	47	52	57	27	22	17	12	7	2	2	2	2	2	2	2	2	2
33	38	43	48	53	58	28	23	18	13	8	3	3	3	3	3	3	3	3	3
34	39	44	49	54	59	29	24	19	14	9	4	4	4	4	4	4	4	4	4
35	40	45	50	55	60	30	25	20	15	10	5	5	5	5	5	5	5	5	5
35	40	45	50	55	60	30	25	20	15	10	5	5	5	5	5	5	5	5	5
34	39	44	49	54	59	29	24	19	14	9	4	4	4	4	4	4	4	4	4
33	38	43	48	53	58	28	23	18	13	8	3	3	3	3	3	3	3	3	3
32	37	42	47	52	57	27	22	17	12	7	2	2	2	2	2	2	2	2	2
31	36	41	46	51	56	26	21	16	11	6	1	1	1	1	1	1	1	1	1

FIG. 6B (Continued)

31	36	41	46	51	56	26	21	16	11	6	1	1	32	37	42	47	52	57	27	22	17	12	7	2	2	33	38	43	48	53	58	28	23	18	13	8	3	3	34	39	44	49	54	59	29	24	19	14	9	4	4	35	40	45	50	55	60	30	25	20	15	10	5	5	35	40	45	50	55	60	30	25	20	15	10	5	5	34	39	44	49	54	59	29	24	19	14	9	4	4	33	38	43	48	53	58	28	23	18	13	8	3	3	32	37	42	47	52	57	27	22	17	12	7	2	2	31	36	41	46	51	56	26	21	16	11	6	1	1

31	36	41	46	51	56	26	21	16	11	6	1	Channel hole	32	37	42	47	52	57	27	22	17	12	7	2	Channel hole	33	38	43	48	53	58	28	23	18	13	8	3	Channel hole	34	39	44	49	54	59	29	24	19	14	9	4	Channel hole	35	40	45	50	55	60	30	25	20	15	10	5	Channel hole	35	40	45	50	55	60	30	25	20	15	10	5	Channel hole	34	39	44	49	54	59	29	24	19	14	9	4	Channel hole	33	38	43	48	53	58	28	23	18	13	8	3	Channel hole	32	37	42	47	52	57	27	22	17	12	7	2	Channel hole	31	36	41	46	51	56	26	21	16	11	6	1

650F

FIG. 6B (Continued)

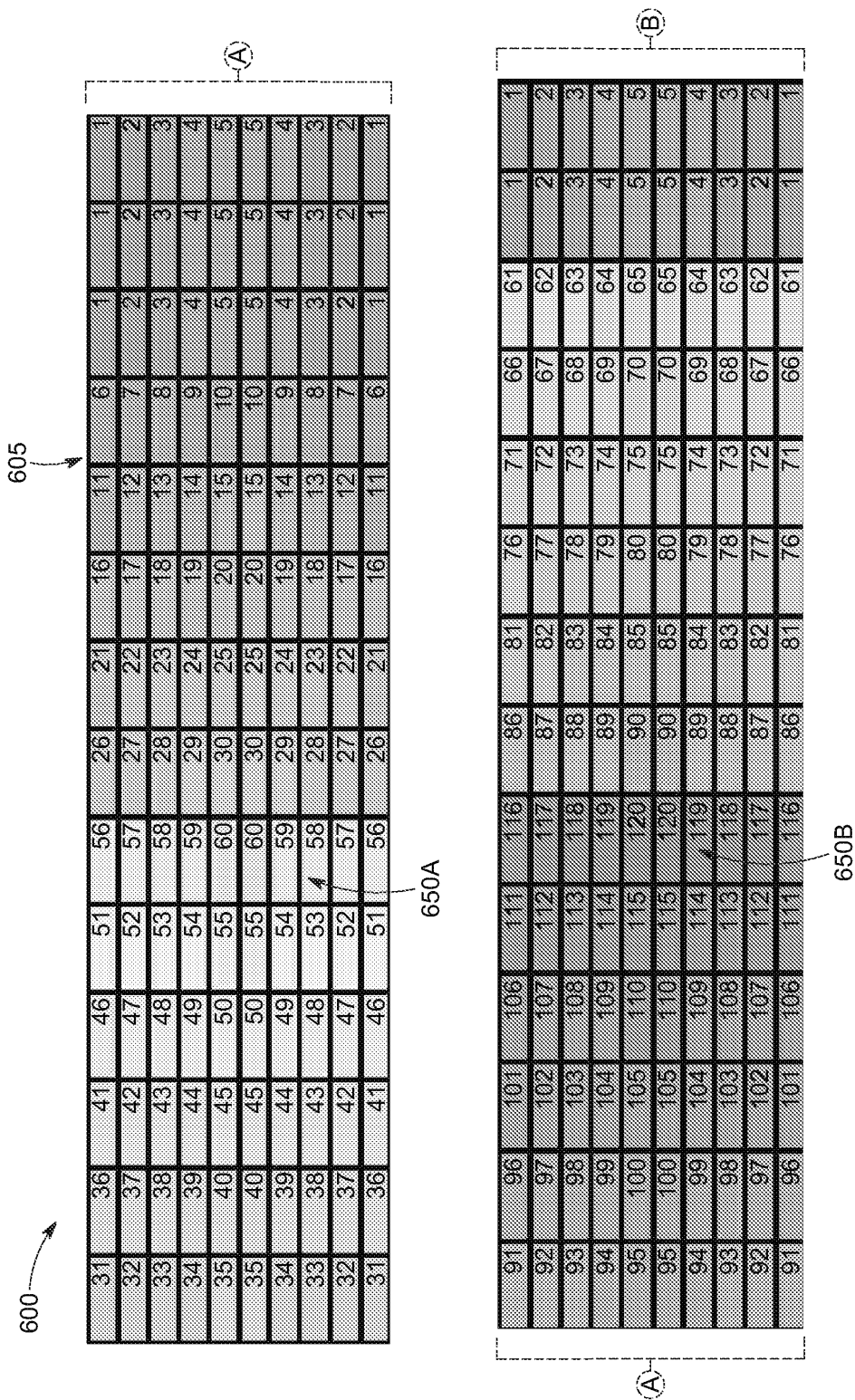


FIG. 6C

31	36	41	46	51	56	26	21	16	11	6	1	1
32	37	42	47	52	57	27	22	17	12	7	2	2
33	38	43	48	53	58	28	23	18	13	8	3	3
34	39	44	49	54	59	29	24	19	14	9	4	4
35	40	45	50	55	60	30	25	20	15	10	5	5
35	40	45	50	55	60	30	25	20	15	10	5	5
34	39	44	49	54	59	29	24	19	14	9	4	4
33	38	43	48	53	58	28	23	18	13	8	3	3
32	37	42	47	52	57	27	22	17	12	7	2	2
31	36	41	46	51	56	26	21	16	11	6	1	1

619

1

2

650C

650D

31	36	41	46	51	56	26	21	16	11	6	1	1
32	37	42	47	52	57	27	22	17	12	7	2	2
33	38	43	48	53	58	28	23	18	13	8	3	3
34	39	44	49	54	59	29	24	19	14	9	4	4
35	40	45	50	55	60	30	25	20	15	10	5	5
35	40	45	50	55	60	30	25	20	15	10	5	5
34	39	44	49	54	59	29	24	19	14	9	4	4
33	38	43	48	53	58	28	23	18	13	8	3	3
32	37	42	47	52	57	27	22	17	12	7	2	2
31	36	41	46	51	56	26	21	16	11	6	1	1

91	96	101	106	111	116	86	81	76	71	66	61
92	97	102	107	112	117	87	82	77	72	67	62
93	98	103	108	113	118	88	83	78	73	68	63
94	99	104	109	114	119	89	84	79	74	69	64
95	100	105	110	115	120	90	85	80	75	70	65
95	100	105	110	115	120	90	85	80	75	70	65
94	99	104	109	114	119	89	84	79	74	69	64
93	98	103	108	113	118	88	83	78	73	68	63
92	97	102	107	112	117	87	82	77	72	67	62
91	96	101	106	111	116	86	81	76	71	66	61

650F
FIG. 6C (Continued)

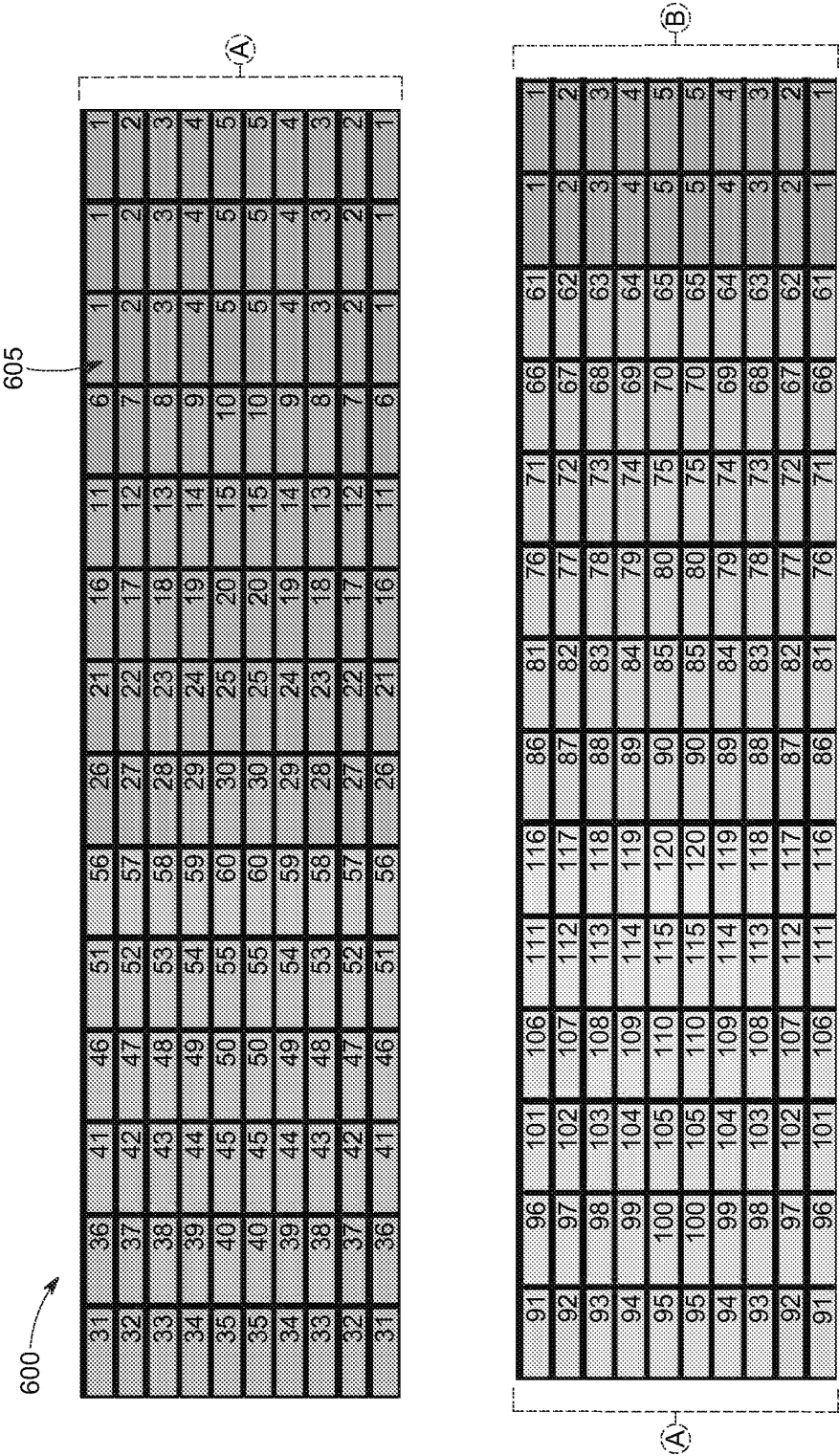


FIG. 6D

(B)										(C)									
151	156	161	166	171	176	146	141	136	131	126	121	1	1	1	1	1	1	1	1
152	157	162	167	172	177	147	142	137	132	127	122	2	2	2	2	2	2	2	2
153	158	163	168	173	178	148	143	138	133	128	123	3	3	3	3	3	3	3	3
154	159	164	169	174	179	149	144	139	134	129	124	4	4	4	4	4	4	4	4
155	160	165	170	175	180	150	145	140	135	130	125	5	5	5	5	5	5	5	5
155	160	165	170	175	180	150	145	140	135	130	125	5	5	5	5	5	5	5	5
154	159	164	169	174	179	149	144	139	134	129	124	4	4	4	4	4	4	4	4
153	158	163	168	173	178	148	143	138	133	128	123	3	3	3	3	3	3	3	3
152	157	162	167	172	177	147	142	137	132	127	122	2	2	2	2	2	2	2	2
151	156	161	166	171	176	146	141	136	131	126	121	1	1	1	1	1	1	1	1

(C)										(D)									
211	216	221	226	231	236	206	201	196	191	186	181	1	1	1	1	1	1	1	1
212	217	222	227	232	237	207	202	197	192	187	182	2	2	2	2	2	2	2	2
213	218	223	228	233	238	208	203	198	193	188	183	3	3	3	3	3	3	3	3
214	219	224	229	234	239	209	204	199	194	189	184	4	4	4	4	4	4	4	4
215	220	225	230	235	240	210	205	200	195	190	185	5	5	5	5	5	5	5	5
215	220	225	230	235	240	210	205	200	195	190	185	5	5	5	5	5	5	5	5
214	219	224	229	234	239	209	204	199	194	189	184	4	4	4	4	4	4	4	4
213	218	223	228	233	238	208	203	198	193	188	183	3	3	3	3	3	3	3	3
212	217	222	227	232	237	207	202	197	192	187	182	2	2	2	2	2	2	2	2
211	216	221	226	231	236	206	201	196	191	186	181	1	1	1	1	1	1	1	1

FIG. 6D (Continued)

151	156	161	166	171	176	146	141	136	131	126	121	1	1
152	157	162	167	172	177	147	142	137	132	127	122	2	2
153	158	163	168	173	178	148	143	138	133	128	123	3	3
154	159	164	169	174	179	149	144	139	134	129	124	4	4
155	160	165	170	175	180	150	145	140	135	130	125	5	5
155	160	165	170	175	180	150	145	140	135	130	125	5	5
154	159	164	169	174	179	149	144	139	134	129	124	4	4
153	158	163	168	173	178	148	143	138	133	128	123	3	3
152	157	162	167	172	177	147	142	137	132	127	122	2	2
151	156	161	166	171	176	146	141	136	131	126	121	1	1

650F	211	216	224	226	231	236	206	201	196	191	186	181
	212	217	222	227	232	237	207	202	197	192	187	182
	213	218	223	228	233	238	208	203	198	193	188	183
	214	219	224	229	234	239	209	204	199	194	189	184
	215	220	225	230	235	240	210	205	200	195	190	185
	215	220	225	230	235	240	210	205	200	195	190	185
	214	219	224	229	234	239	209	204	199	194	189	184
	213	218	223	228	233	238	208	203	198	193	188	183
	212	217	222	227	232	237	207	202	197	192	187	182
	211	216	221	226	231	236	206	201	196	191	186	181
Channel hole												
Channel hole												

621
FIG. 6D (Continued)

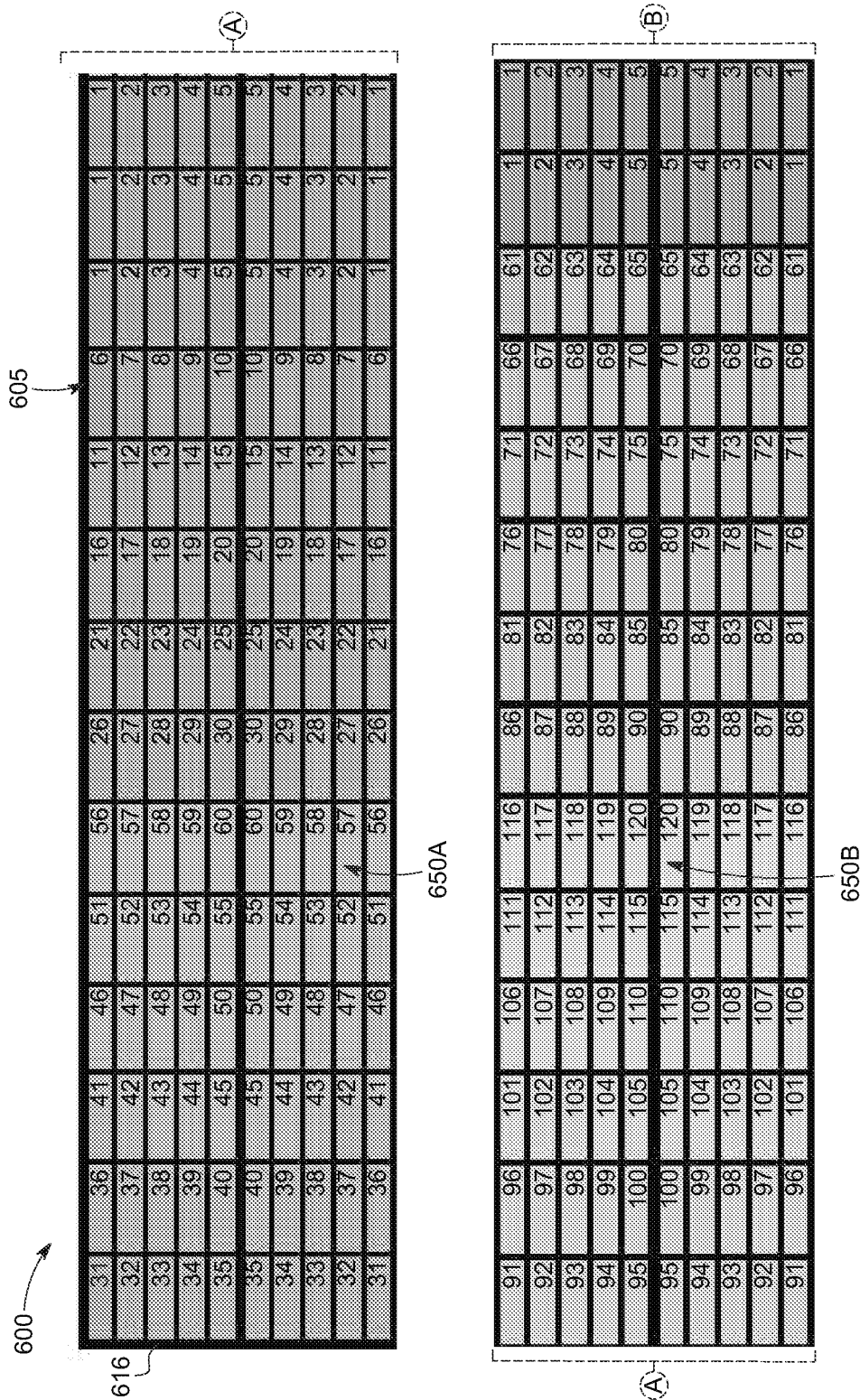


FIG. 6E

650C													667													650D												
151	156	161	166	171	176	146	141	136	131	126	121	1	1	211	216	221	226	231	236	206	201	196	191	186	181	212	217	222	227	232	237	207	202	197	192	187	182	
152	157	162	167	172	177	147	142	137	132	127	122	2	2	213	218	223	228	233	238	208	203	198	193	188	183	214	219	224	229	234	239	209	204	199	194	189	184	
153	158	163	168	173	178	148	143	138	133	128	123	3	3	215	220	225	230	235	240	210	205	200	195	190	185	215	220	225	230	235	240	210	205	200	195	190	185	
154	159	164	169	174	179	149	144	139	134	129	124	4	4	217	222	227	232	237	237	207	202	197	192	187	182	217	222	227	232	237	237	207	202	197	192	187	182	
155	160	165	170	175	180	150	145	140	135	130	125	5	5	219	224	229	234	239	240	210	205	200	195	190	185	219	224	229	234	239	239	209	204	199	194	189	184	
156	161	166	171	176	181	151	146	141	136	131	126	6	6	221	226	231	236	236	240	210	205	200	195	190	185	221	226	231	236	236	240	210	205	200	195	190	185	
157	162	167	172	177	182	152	147	142	137	132	127	7	7	223	228	233	238	238	240	210	205	200	195	190	185	223	228	233	238	238	240	210	205	200	195	190	185	
158	163	168	173	178	183	153	148	143	138	133	128	8	8	225	230	235	240	240	240	210	205	200	195	190	185	225	230	235	240	240	240	210	205	200	195	190	185	
159	164	169	174	179	184	154	149	144	139	134	129	9	9	227	232	237	242	242	240	210	205	200	195	190	185	227	232	237	242	242	240	210	205	200	195	190	185	
160	165	170	175	180	185	155	150	145	140	135	130	10	10	229	234	239	244	244	240	210	205	200	195	190	185	229	234	239	244	244	240	210	205	200	195	190	185	
161	166	171	176	181	186	156	151	146	141	136	131	11	11	231	236	241	246	246	240	210	205	200	195	190	185	231	236	241	246	246	240	210	205	200	195	190	185	
162	167	172	177	182	187	157	152	147	142	137	132	12	12	233	238	243	248	248	240	210	205	200	195	190	185	233	238	243	248	248	240	210	205	200	195	190	185	
163	168	173	178	183	188	158	153	148	143	138	133	13	13	235	240	245	250	250	240	210	205	200	195	190	185	235	240	245	250	250	240	210	205	200	195	190	185	
164	169	174	179	184	189	159	154	149	144	139	134	14	14	237	242	247	252	252	240	210	205	200	195	190	185	237	242	247	252	252	240	210	205	200	195	190	185	
165	170	175	180	185	190	160	155	150	145	140	135	15	15	239	244	249	254	254	240	210	205	200	195	190	185	239	244	249	254	254	240	210	205	200	195	190	185	
166	171	176	181	186	191	161	156	151	146	141	136	16	16	241	246	251	256	256	240	210	205	200	195	190	185	241	246	251	256	256	240	210	205	200	195	190	185	
167	172	177	182	187	192	162	157	152	147	142	137	17	17	243	248	253	258	258	240	210	205	200	195	190	185	243	248	253	258	258	240	210	205	200	195	190	185	
168	173	178	183	188	193	163	158	153	148	143	138	18	18	245	250	255	260	260	240	210	205	200	195	190	185	245	250	255	260	260	240	210	205	200	195	190	185	
169	174	179	184	189	194	164	159	154	149	144	139	19	19	247	252	257	262	262	240	210	205	200	195	190	185	247	252	257	262	262	240	210	205	200	195	190	185	
170	175	180	185	190	195	165	160	155	150	145	140	20	20	249	254	259	264	264	240	210	205	200	195	190	185	249	254	259	264	264	240	210	205	200	195	190	185	
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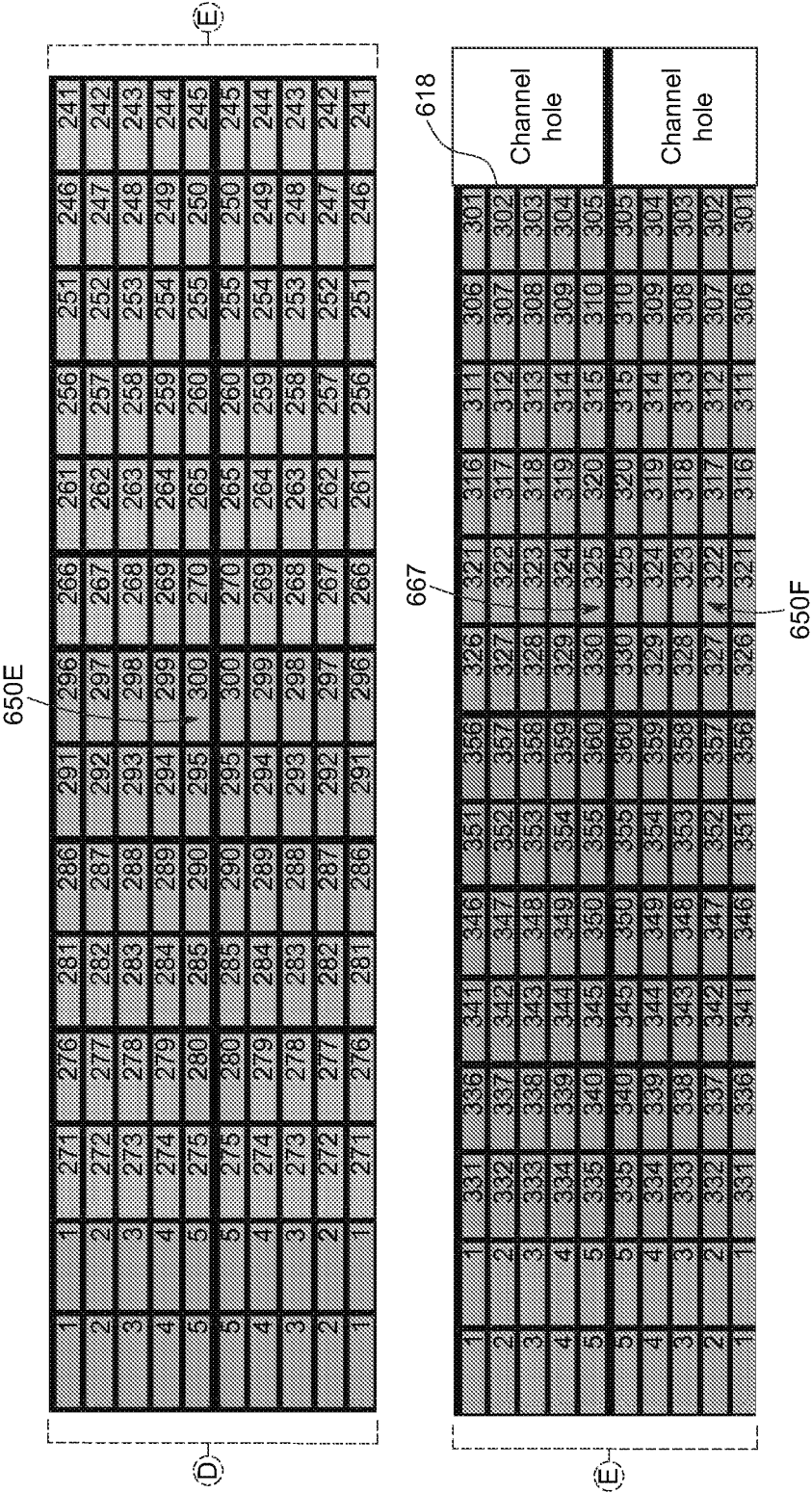


FIG. 6E (Continued)

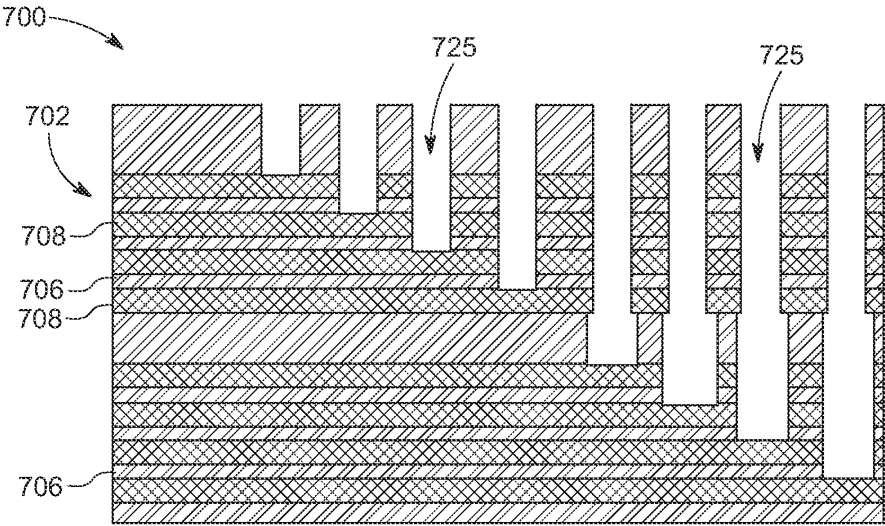


FIG. 7A

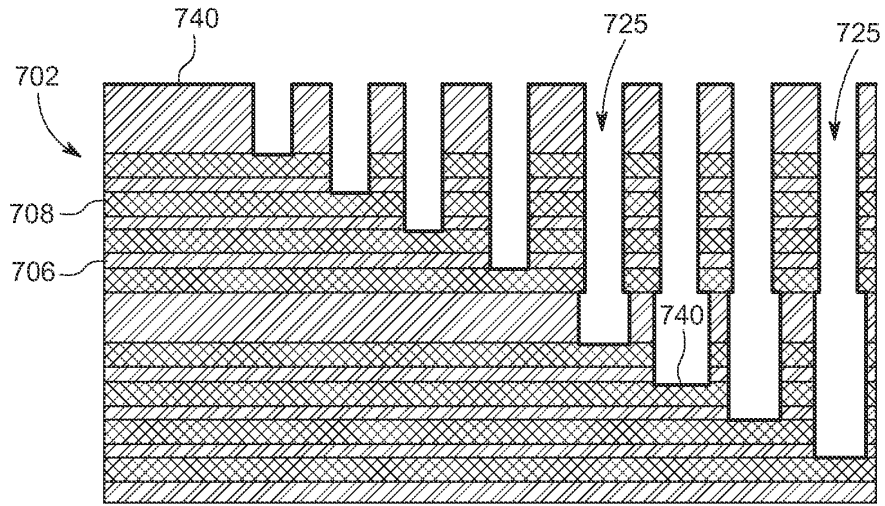


FIG. 7B

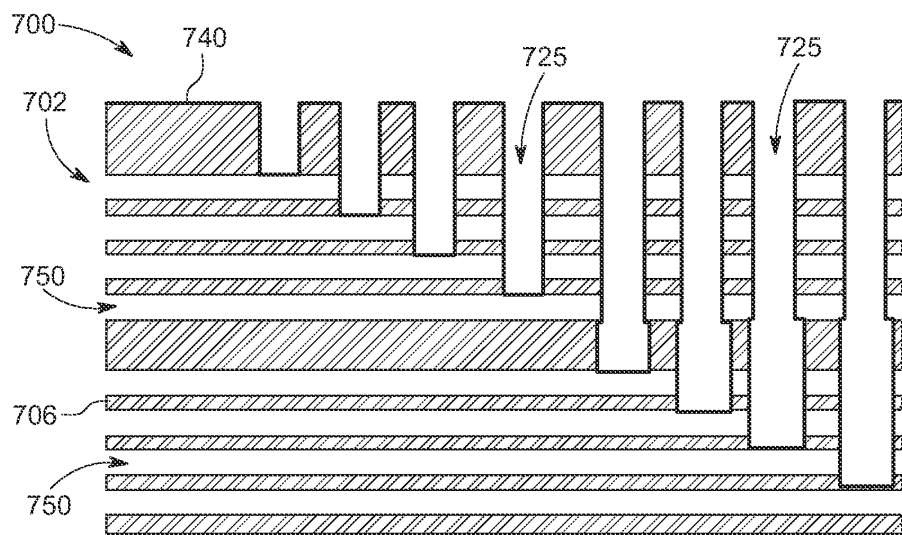


FIG. 7C

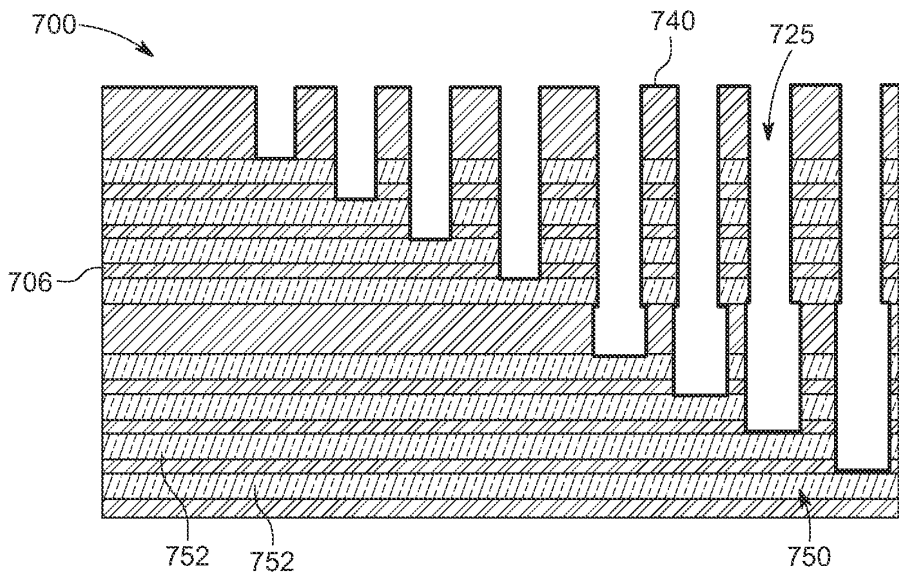


FIG. 7D

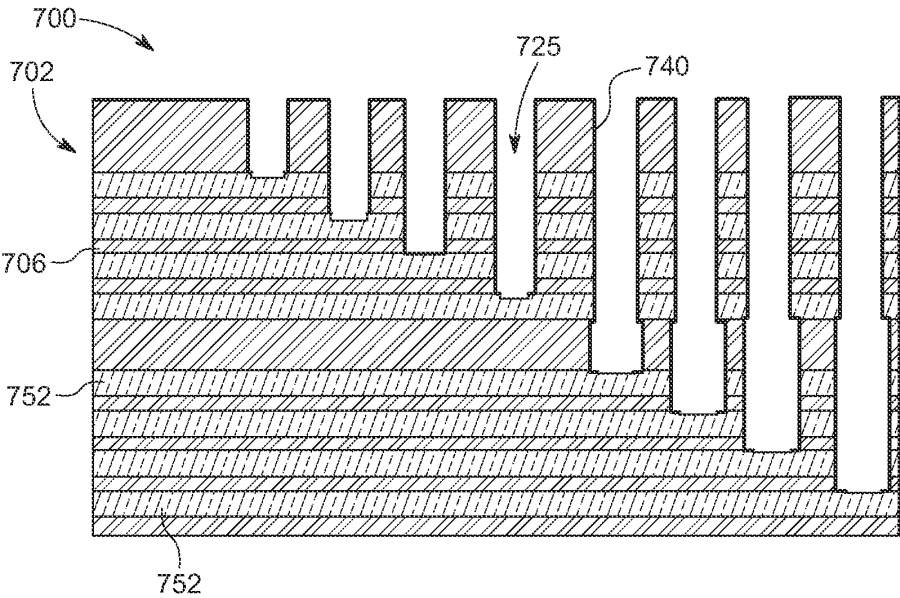


FIG. 7E

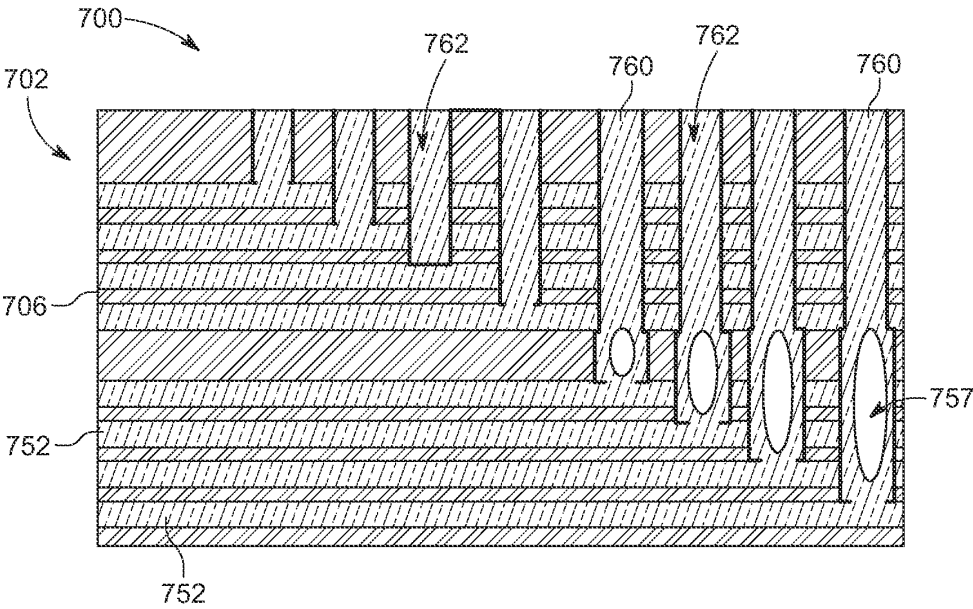


FIG. 7F

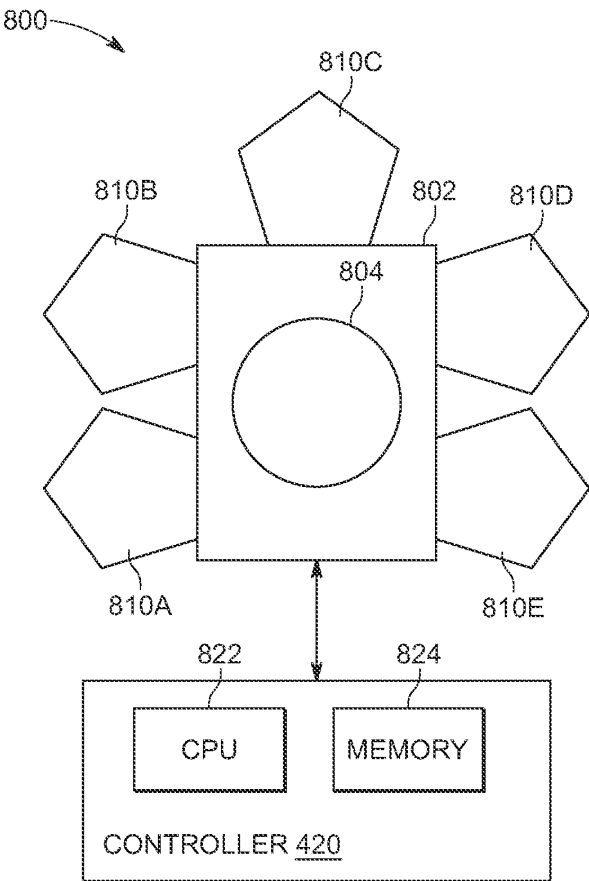


FIG. 8

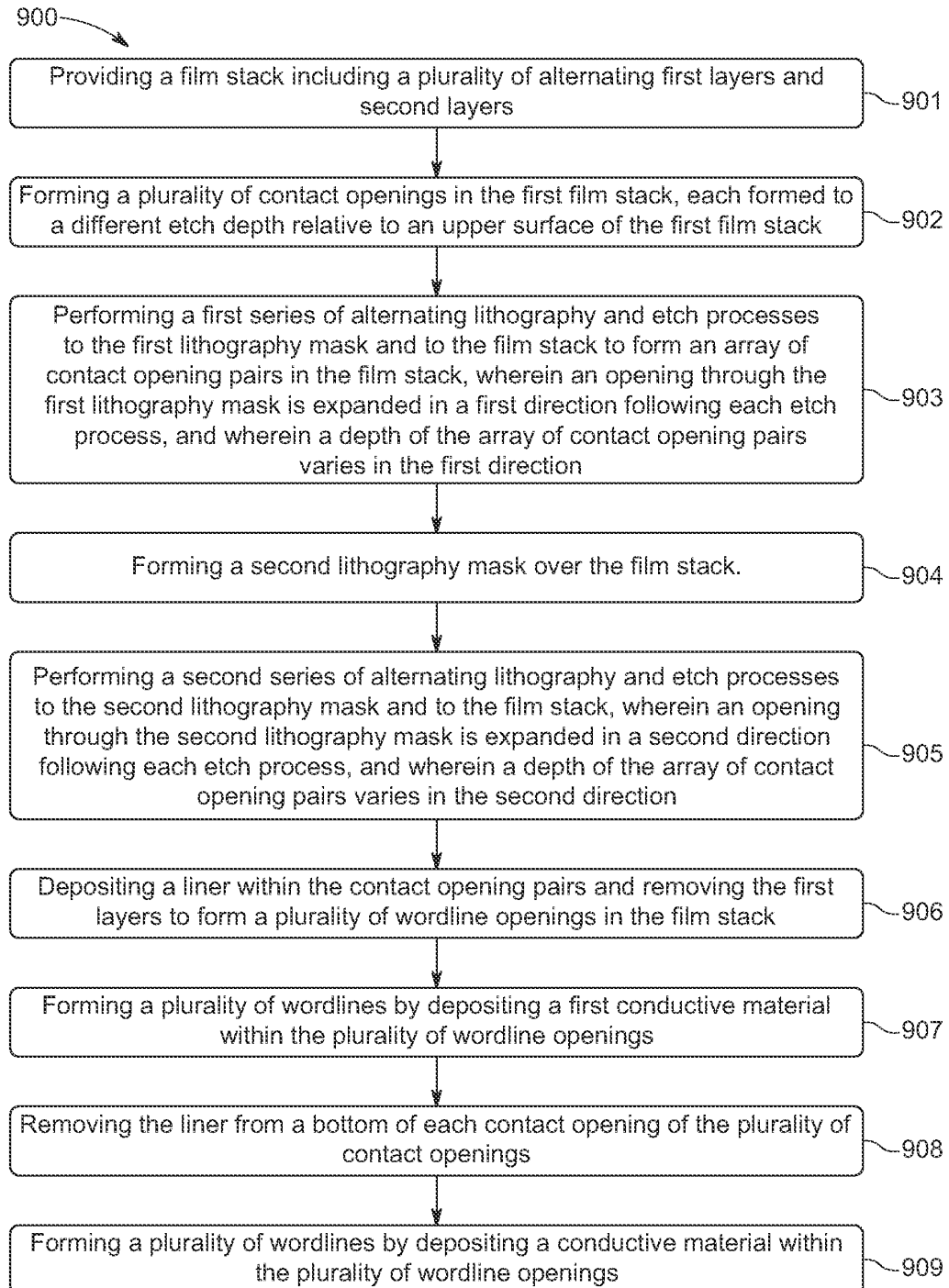


FIG. 9