

**CONCORDANCE - United States to International Patent Classification**

U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
<b>U.S. CLASS 430--Con.</b>																	
421-429	G 03 C	5 / 18	26	F 23 N	5 / 08	273-277	F 23 Q	1 / 02	34	F 27 B	9 / 40	139	C 22 B	1 / 00			
	G 03 C	5 / 26		F 23 N		278-279	F 23 Q	9 / 00	35	F 27 D	21 / 00		F 27 B				
430-431	G 03 C	5 / 44		F 23 Q	23 / 00	280-281	F 23 Q	9 / 08	36	F 27 B	1 / 26	140	F 27 B	9 / 22			
432	G 03 C	1 / 00	27-31	F 23 N	5 / 00	282-285	F 23 Q	9 / 00		F 27 B	15 / 18	141	F 27 B	9 / 16			
	G 03 C	5 / 18	32	F 23 N	5 / 24	286	F 23 D	14 / 58		F 27 B	9 / 40		F 27 D	3 / 12			
	G 03 C	5 / 26	33	F 23 N	5 / 00	287	F 23 D			F 27 D	19 / 00	142	F 27 B	9 / 16			
433-450	G 03 C	5 / 18	34	F 23 D	3 / 26		F 23 Q	13 / 00	37	F 27 B	9 / 40	143-150	F 27 B	9 / 00			
	G 03 C	5 / 26	35	F 23 N	5 / 00	288-297	F 23 D	3 / 16		F 27 D	19 / 00	151	F 27 B	14 / 00			
451-453	G 03 C	5 / 315	36-41	F 23 N	1 / 00	298-300	F 23 D	3 / 02	38	F 27 D	19 / 00	152	F 27 B	9 / 04			
	G 03 C	5 / 38	42-61	F 23 Q	9 / 08	301	F 23 D	3 / 34	39	F 27 D	17 / 00	153	F 27 B	9 / 08			
454	G 03 C	5 / 40	62-63	F 23 N	5 / 00	302-303	F 23 D	3 / 02	40	C 21 B	9 / 10	154	F 27 D	3 / 08			
455-460	G 03 C	5 / 38	64	F 23 D	5 / 14	304	F 23 D	3 / 28	41-42	F 27 D	19 / 00	155	F 27 B	9 / 00			
461-462	G 03 C	5 / 42	65	F 23 D	5 / 16	305	F 23 D	3 / 32	43-45	F 27 B	9 / 40	156	F 27 B	14 / 00			
	G 03 C	5 / 44	66-67	F 23 N	5 / 00	306	F 23 D	3 / 28	46-53	F 27 D	19 / 00	157	F 27 B	14 / 02			
463	G 03 C	11 / 00	68	F 23 N	5 / 24	307-308	F 23 D	3 / 32	54	C 21 B	9 / 12	158	F 27 B	14 / 14			
464-493	G 03 C	5 / 18	69-78	F 23 N	5 / 00	309-314	F 23 D	3 / 04	55-57	F 27 D	19 / 00	159	F 27 B	3 / 00			
	G 03 C	5 / 26	79	F 23 N	5 / 08	315-318	F 23 D	3 / 28	58	F 27 B	15 / 00	160	F 27 B	3 / 06			
494	G 03 C	5 / 04	80	F 23 N	5 / 10	319	F 23 D	3 / 02	59-60	F 27 B	9 / 28	161-162	F 27 B	3 / 18			
495.1	G 03 C	1 / 00	81-87	F 23 N	5 / 00	320	F 23 D	3 / 24	61	F 27 B	9 / 18	163-170	F 27 B	3 / 04			
	G 03 C	3 / 00	88	F 23 N	5 / 24	321-325	F 23 D	3 / 18	62	C 21 D	9 / 70	171-172	F 27 B	19 / 00			
496	G 03 C	1 / 00	89-90	F 23 N	1 / 02	326	F 23 D	3 / 40		F 24 J	2 / 00	173	F 27 B	3 / 24			
497-499	G 03 C	1 / 42		F 23 N		327	F 23 Q	13 / 04	63	F 02 M	15 / 00	174	F 27 B	3 / 00			
	G 03 C	1 / 494	91	F 41 H	9 / 02	328	F 23 D	14 / 12		F 02 M	17 / 04	175	F 27 B	3 / 20			
500-501	G 03 C	3 / 02	99	F 21 V	37 / 00	329	F 23 D	14 / 14	64	F 24 F	9 / 00	176	F 27 B	3 / 22			
502-507	G 03 C	1 / 46	100	F 21 H	1 / 00	330	F 23 D	5 / 06		F 27 D	7 / 00	177-182	F 27 D	17 / 00			
508-509	G 03 C	1 / 08		F 21 H			F 23 D	7 / 00	65	F 27 D	7 / 00	183	C 21 D	9 / 00			
510-512	G 03 C	1 / 815	101-113	F 21 H	1 / 00	331-342	F 23 D	5 / 02	66	F 27 D	7 / 06	184-188	F 27 B	17 / 00			
	G 03 C	1 / 825	114	F 23 D		343	F 23 D	11 / 36	67	F 23 J		189-194	F 27 B	7 / 00			
513-522	G 03 C	1 / 00		F 23 M	5 / 00		F 23 D	14 / 46		F 27 B	7 / 20	195	F 27 B	3 / 00			
523	G 03 C	1 / 76	115-116	F 23 C	9 / 00	344	F 23 D	14 / 28	68	F 27 D	17 / 00	196	F 27 B	3 / 22			
524-526	G 03 C	1 / 77		F 23 L		345	F 23 D	14 / 46		C 21 D	9 / 00	197	F 27 B	15 / 00			
527-530	G 03 C	1 / 85	117-119	F 23 D	5 / 12	346	F 23 D	14 / 82		F 23 J		198	F 27 B	5 / 04			
531-537	G 03 C	1 / 76	120	F 23 D	3 / 28	347-348	F 23 D	14 / 12		F 27 D	17 / 00	199	F 27 D	7 / 04			
538	G 03 C	1 / 775	121-123	F 23 D	11 / 38	349	F 23 D	14 / 58	69	F 23 J		200-201	F 27 B	5 / 16			
539	G 03 C	1 / 76		F 23 D	14 / 50	350	F 23 D	14 / 46		F 27 B	7 / 20	202	F 27 B	5 / 14			
540	G 03 C	1 / 64	124	F 23 Q	2 / 38	351	F 23 C	7 / 00		F 27 D	17 / 00	203	F 27 B	7 / 04			
541	G 03 C	7 / 32	125-127	F 23 Q	2 / 32		F 23 D		70	F 23 J		204	F 26 B	5 / 12			
542-563	G 03 C	1 / 08	128	F 23 Q	7 / 00	352	F 23 C	6 / 04		F 27 B	3 / 00	205	F 27 B	5 / 04			
	G 03 C	7 / 26	129-141	F 23 Q	2 / 08		F 23 D			F 27 D	17 / 00	206	F 27 B	11 / 00			
	G 03 C	7 / 32	142-143	F 23 Q	2 / 00	353	F 23 C	7 / 00	71	F 23 J		207-208	F 27 B	5 / 02			
564-595	G 03 C	1 / 005	144-152	F 23 Q	25 / 00		F 23 D			F 27 B	3 / 10	209	F 27 B	5 / 14			
	G 03 C	1 / 494	153-155	F 23 D	11 / 36	354-355	F 23 D	14 / 62		F 27 D	17 / 00	210	F 26 B	3 / 00			
596-598	G 03 C	1 / 00	156	F 21 V	35 / 00	356	F 23 D		72	F 23 G	7 / 06	211	F 27 B	3 / 06			
599-605	G 03 C	1 / 06		F 23 D			F 24 C	15 / 10		F 23 J		212-213	F 27 B	5 / 14			
606	G 03 C	1 / 36	157	F 23 L	17 / 00	357-365	F 21 K	5 / 00	73	F 27 D	17 / 00	214	C 21 B	9 / 00			
607-615	G 03 C	1 / 06	158	F 23 C	3 / 00		F 21 K	5 / 08	74	C 03 B	5 / 06		F 24 H	7 / 00			
616-620	G 03 C	1 / 00		F 23 R						F 23 J		215	F 27 B	15 / 00			
621-626	G 03 C	1 / 30	159	F 23 D	11 / 00				75-76	F 27 D	25 / 00		F 28 C	3 / 10			
627-644	G 03 C	1 / 005	160	F 23 D	11 / 36				77-85	F 27 D	15 / 02	216-218	C 21 B	9 / 00			
	G 03 C	1 / 494	161-167	F 23 D	11 / 44				86	F 27 D	15 / 00		F 28 C	3 / 10			
			168	F 23 D	11 / 04	1	F 24 J		87	F 27 D	3 / 00	219	F 24 H	1 / 00			
			169	F 23 D	11 / 08		F 26 B	11 / 02	88	F 27 D	3 / 12		F 28 C	3 / 10			
			170	F 27 D	1 / 04	2	F 24 D		89	F 27 B	17 / 00	220-223	F 24 H	1 / 00			
			171-172	F 23 M	9 / 06		F 27 B	7 / 20	90-92	F 27 B	19 / 00	224-232	F 24 J	3 / 00			
1	F 23 C	15 / 00	173	F 23 C	5 / 32		F 28 G		93	A 01 H	5 / 02	233	F 27 D	1 / 12			
2	C 10 L	1 / 12	174	F 23 C	5 / 00	3	F 27 D	1 / 16		F 27 D			F 27 D	9 / 00			
	F 23 B		175-176	F 23 C	5 / 28	4	F 27 D	13 / 00	94	F 27 B	3 / 20	234	F 27 D	3 / 02			
	F 23 L	7 / 00	177-181	F 23 C	5 / 08		F 27 D	7 / 00		F 27 B	7 / 34	235-236	F 27 D	3 / 00			
3	C 10 L	10 / 00	182-185	F 23 M	9 / 00		F 27 D	9 / 00		F 27 B	9 / 36	237-238	F 27 D	1 / 12			
	F 23 J		186	F 23 C	5 / 06	5	F 27 D	13 / 00	95-102	F 27 D	1 / 08	239-240	F 27 D	3 / 00			
4	F 23 J	7 / 00	187	F 23 C	7 / 00		F 27 D	5 / 00	103	F 27 B	7 / 00	241	F 27 D	3 / 12			
5	F 23 D	14 / 00	188	F 23 M	9 / 00	6	F 27 D	5 / 00	104	A 23 N	12 / 10	242	F 27 D	1 / 18			
	F 23 G	7 / 08	189	F 23 C	5 / 06	7	F 27 B	21 / 00		F 23 B		243-246	F 27 D	3 / 00			
	F 23 J	15 / 00	190	F 23 L	9 / 00	8	F 26 B	13 / 00		F 23 C		247	F 27 D	1 / 00			
6	F 23 N	5 / 20	191-194	F 24 C	3 / 10		F 27 B	9 / 28		F 27 B	7 / 00	248	F 27 B	14 / 08			
	F 23 N	5 / 22	195-201	F 23 D	5 / 00	9	F 27 D	3 / 00	105	F 27 B	7 / 36	249	F 27 D	1 / 04			
	F 23 B		202	F 23 D		10	F 27 D	5 / 00	106	F 27 B	7 / 02	250	F 27 D	1 / 18			
	F 23 D	3 / 40		F 23 G	7 / 08	11	F 27 D	3 / 00	107	F 27 B	7 / 08	251	F 27 D	1 / 00			
8	F 23 C	5 / 00	203-206	F 23 D	11 / 00	12	F 27 D	13 / 00		F 27 B	7 / 10	252	F 27 D	1 / 14			
	F 23 M	3 / 02	207-248	F 23 D	11 / 44	13	F 27 B	14 / 00	108	F 27 B	7 / 00	253	F 27 D	5 / 00			
	F 23 M	3 / 00	249	F 23 C	3 / 00	14-15	F 27 B	15 / 00	109	F 27 B	7 / 36	254.1	C 21 D	9 / 00			
9	F 23 M	3 / 04		F 23 D		16	F 27 B	15 / 12	110	F 27 B	7						

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
<b>U.S. CLASS 433--Con.</b>														
31	A 61 C	1 / 00		A 61 C	13 / 225		G 09 B	11 / 02	345-354	G 09 B	3 / 00	47	C 12 P	35 / 00
32	A 61 C	19 / 00	184-188	A 61 C	13 / 24	167	G 09 B	1 / 00	353-362	G 09 B	7 / 00	48	C 12 P	35 / 08
33	A 61 G	15 / 00	189	A 61 C	13 / 235		G 09 B	19 / 00	357	G 09 B	3 / 00	49	C 12 P	35 / 06
34	A 61 C	19 / 00	190	A 61 C	13 / 225	168	G 09 B	1 / 08	360-361	G 09 B	3 / 00	50	C 12 P	35 / 04
35-38	A 61 C	9 / 00	191-196	A 61 C	13 / 10		G 09 B	1 / 38	363-364	G 09 B	3 / 00	51	C 12 P	35 / 02
39	A 61 C	5 / 04	197-198	A 61 C	13 / 08	169	G 09 B	5 / 00	365-407	G 09 B	25 / 00	52	C 12 P	33 / 00
40-48	A 61 C	9 / 00	199.1-200.1	A 61 C	13 / 00	170	G 09 B	1 / 00	408-409	B 43 L	1 / 00	53	C 12 P	33 / 20
49	A 61 C	1 / 14	201.1	A 61 C	8 / 00	171	G 09 B	1 / 36	410	B 43 L	1 / 12	54	C 12 P	33 / 12
	A 61 C	3 / 04	202.1-212.1	A 61 C	13 / 08	172	G 09 B	1 / 00	411-421	B 43 L	1 / 00	55	C 12 P	33 / 16
50	A 61 C	3 / 00	213	A 61 C	11 / 00	173	G 09 B	1 / 24	415	B 43 L	23 / 00	56	C 12 P	33 / 18
51	A 61 C	3 / 06	214	A 61 C	9 / 00	174	G 09 B	1 / 00	417	B 43 L	21 / 00	57	C 12 P	33 / 14
52	A 61 C	3 / 00	215	A 61 C	5 / 00	175	G 09 B	1 / 28	418	B 43 L	7 / 00	58	C 12 P	33 / 06
53	A 61 C	19 / 00	216	A 61 C	15 / 00	176	G 09 B	3 / 02	422-425	B 43 L	1 / 02	59	C 12 P	33 / 08
54-67	A 61 C	11 / 00	217.1	A 61 C	5 / 00		G 09 B	7 / 02	426-429	G 09 B	25 / 00	60	C 12 P	33 / 10
59	A 61 C	19 / 00	218-222.1	A 61 C	5 / 08	177	A 63 F	9 / 00	430-431	G 09 B	29 / 00	61	C 12 P	33 / 02
68-69	A 61 C	19 / 04	223	A 61 C	5 / 10	178	G 09 B	17 / 00	432	A 47 B	39 / 00	62	C 12 P	33 / 04
70-71	A 61 C	9 / 00	224	A 61 C	5 / 02	179-181	G 09 B	17 / 04	433	A 47 B	41 / 00	63	C 12 P	31 / 00
72-73	A 61 C	19 / 04	225-227	A 61 C	5 / 04	181-183	G 09 B	17 / 02		G 09 B	19 / 00	64	C 12 P	29 / 00
74	A 61 C	19 / 00	228.1	A 61 C	5 / 00	183	G 09 B	17 / 04		G 09 B		65	C 12 P	27 / 00
75	A 61 C	3 / 00	229	A 61 B	5 / 117	184	G 09 B	17 / 00				66	C 12 P	25 / 00
76	A 61 C	3 / 02		A 61 C		185	G 09 B	19 / 04				67	C 12 P	23 / 00
77-79	A 61 C	13 / 38				186	G 09 B	23 / 00				68.1-69.1	C 12 P	21 / 06
	A 61 G	15 / 00					G 09 B	25 / 00				69.2-69.4	C 12 N	15 / 09
80	A 61 C	17 / 00					G 09 B	9 / 00				69.5	C 12 P	21 / 02
	A 61 C	17 / 02					G 09 B	23 / 02				69.51-71.3	C 12 P	21 / 04
	A 61 G	17 / 02					G 09 B	19 / 02						
81	A 61 C	5 / 02	1-10	G 09 B	9 / 00	187-188	G 09 B	23 / 02				72	C 12 P	19 / 00
	A 61 G	5 / 02	3-10	G 01 S		187-200	G 09 B	1 / 08	1.1-1.3	A 01 N	1 / 02	73	C 12 P	19 / 64
	A 61 C	1 / 10	3-5	G 01 S	7 / 40	190	G 09 B	1 / 38	2	A 01 N	1 / 02	74	C 12 P	19 / 44
82	A 61 C	1 / 12	6	G 01 S	7 / 52	192	B 43 L	1 / 00	3	C 12 Q	3 / 00	75	C 12 P	19 / 60
	A 61 C	17 / 02	7-10	G 09 B	9 / 56	193-196	G 09 B	1 / 00	4	C 12 Q	1 / 00	76	C 12 P	19 / 62
83	A 61 C	3 / 08	11-13	F 41 A	33 / 00	197	G 09 B	1 / 24	5	C 12 Q	1 / 70	77	C 12 P	19 / 58
84-85	A 61 C	1 / 10	14-17	G 09 B	19 / 00	198-200	G 09 B	1 / 02	6.1-6.19	C 12 Q	1 / 68	78	C 12 P	19 / 56
	A 61 C	1 / 12	16	F 41 A	33 / 00	201	G 09 B	5 / 00	7.1	G 01 N	33 / 53	79	C 12 P	19 / 46
	A 61 C	17 / 02		F 41 G	3 / 26	202-204	G 09 B	19 / 02	7.2	G 01 N	33 / 53	80	C 12 P	19 / 48
86	A 61 C	1 / 07	18	F 41 A	33 / 00	202	G 09 B	1 / 00	7.21	G 01 N	33 / 567	81	C 12 P	19 / 54
87	A 61 C	1 / 10	19-23	F 41 G	3 / 26	203-204	G 06 C	1 / 00	7.22	G 01 N	33 / 53	82	C 12 P	19 / 50
	A 61 C	1 / 12	24-25	G 09 B	19 / 00	205-210	G 09 B	1 / 00		G 01 N	33 / 569	83	C 12 P	19 / 52
	A 61 C	17 / 02	24-26	G 09 B	9 / 00	211-216	G 09 B	23 / 02	7.23	G 01 N	33 / 574	84	C 12 P	19 / 26
88	A 61 C	3 / 02	24	F 41 A	33 / 00		G 09 B	23 / 04	7.24-7.25	G 01 N	33 / 00	85	C 12 P	19 / 42
89-90	A 61 C	5 / 04	27	F 41 G	3 / 26	217-219	G 09 B	19 / 00	7.3-7.31	G 01 N	33 / 53	86	C 12 P	19 / 38
91-97	A 61 C	17 / 06	28	G 01 S		217	G 09 B	23 / 00		G 01 N	33 / 569	87	C 12 P	19 / 40
	A 61 C	17 / 14		G 09 B	9 / 00	218	G 09 B	25 / 00	7.32	G 01 N	33 / 554	88	C 12 P	19 / 30
98-101	A 61 C	1 / 02		G 09 B	9 / 26		G 09 B	9 / 00		G 01 N	33 / 569	89	C 12 P	19 / 36
102	A 61 C	5 / 02	29-71	G 09 B	19 / 16	220	G 09 B	19 / 14	7.33-7.35	G 01 N	33 / 569	90	C 12 P	19 / 34
103-109	A 61 C	1 / 00	29	G 09 B	9 / 02	221	G 09 B	19 / 00	7.36	G 01 N	33 / 571	91.4	C 12 N	15 / 64
110-111	A 61 C	1 / 06	30-59	G 09 B	9 / 08	222	G 09 B	19 / 26	7.37	G 01 N	33 / 569	91.41	C 12 N	15 / 64
	A 61 C	1 / 08	60	G 09 B	9 / 06	223-226	G 09 B	19 / 00	7.4	G 01 N	33 / 573		C 12 N	15 / 66
112	A 61 C	1 / 18	61-71	G 09 B	9 / 04	227-230	G 09 B	13 / 00	7.5-7.8	G 01 N	33 / 53	91.42	C 12 N	15 / 64
113	A 61 C	1 / 04	72-80	G 09 B	25 / 00	231-232	G 09 B	13 / 02	7.9	G 01 N	33 / 53	91.5-91.53	C 12 P	19 / 34
114	A 61 C	1 / 10	81-83	G 09 B	11 / 00	233	G 09 B	13 / 00		G 01 N	33 / 542	92	C 12 P	19 / 32
	A 61 C	3 / 00	84	G 09 B	11 / 10	234-238	G 09 B	19 / 00	7.91	G 01 N	33 / 53	93	C 12 C	1 / 00
115	A 61 C	1 / 05	85-87	G 09 B	11 / 00	234	G 09 B	25 / 02	7.92-7.95	G 01 N	33 / 00	94	C 12 P	19 / 24
116	A 61 C	1 / 16	88	G 09 B	11 / 04	239-244	G 01 S		8	C 12 Q	1 / 66	95	C 12 P	19 / 22
117	A 61 C	1 / 08		G 09 B	11 / 06		G 09 B	9 / 00	9	C 12 Q	1 / 64	96	C 12 P	19 / 20
118-124	A 61 C	1 / 07	89-92	G 09 B	11 / 00		G 09 B	9 / 26	10	C 12 Q	1 / 62	97	C 12 P	19 / 18
	A 61 C	3 / 03	93	G 09 B	25 / 08	245-251	G 09 B	19 / 00	11	C 12 Q	1 / 60	98	C 12 P	19 / 16
	A 61 C	3 / 08	94	G 09 B	19 / 10	246	A 44 C	23 / 00	12	C 12 Q	1 / 58	99	C 12 P	19 / 14
125	A 61 C	3 / 06	95	G 09 B	19 / 20	247-251	A 63 B	69 / 00	13	C 12 Q	1 / 56	100	C 12 P	19 / 12
126	A 61 C	1 / 08	96-106	G 09 B	19 / 00		G 09 B	9 / 00	14	C 12 Q	1 / 54	101	C 12 P	19 / 04
127-129	A 61 C	1 / 14	107-110	G 09 B	19 / 18	252	A 63 B	69 / 36	15	C 12 Q	1 / 48	102	C 12 P	19 / 10
130	A 61 C	1 / 12	111	G 01 C	21 / 02	253	A 63 B	69 / 18	16	C 12 Q	1 / 52	103	C 12 P	19 / 08
131	A 61 C	1 / 00		G 01 C	21 / 24	254	A 63 B	69 / 10	17	C 12 Q	1 / 50	104	C 12 P	19 / 06
132	A 61 C	1 / 05	112-114	G 09 B	21 / 00		A 63 B	69 / 12	18	C 12 Q	1 / 34	105	C 12 P	19 / 02
133	A 61 C	1 / 12	115	G 09 B	21 / 02	255-259	G 09 B	19 / 00	19	C 12 Q	1 / 44	106	C 12 P	13 / 04
134-135	A 61 C	3 / 06	116	G 06 K	9 / 00	260	G 09 B	19 / 24	20	C 12 Q	1 / 46	107	C 12 P	13 / 24
136-137	A 61 C	5 / 14	117	G 09 B	21 / 00	261	G 09 B	19 / 00	21	C 12 Q	1 / 42	108	C 12 P	13 / 22
138-139	A 61 C	5 / 12	118-127	G 09 B	19 / 00	262-275	G 09 B	23 / 28	22	C 12 Q	1 / 40	109	C 12 P	13 / 20
140	A 61 C	5 / 00	126	G 09 B	25 / 00	276	G 09 B	23 / 00	23-24	C 12 Q	1 / 37	110	C 12 P	13 / 14
141	A 61 C	3 / 00		G 09 B	9 / 00	277-282	G 09 B	23 / 26	25	C 12 Q	1 / 26	111	C 12 P	13 / 18
142	A 61 C	3 / 06	128-129	G 09 B	19 / 22	283	G 09 B	23 / 06	26	C 12 Q	1 / 32	112	C 12 P	13 / 16
143	A 61 C	17 / 00	130	G 09 B	25 / 06	284-286	G 09 B	23 / 00	27	C 12 Q	1 / 30	113	C 12 P	13 / 12
144-145	A 61 C	3 / 02	131-142	G 09 B	27 / 08		G 09 B	27 / 00	28	C 12 Q	1 / 28	114	C 12 P	13 / 10
146-147	A 61 C	3 / 00	136	G 09 B	27 / 02	287-288	G 09 B	27 / 06	29	C 12 Q	1 / 02	115	C 12 P	13 / 08
148-149	A 61 C	7 / 00	142	G 04 B	19 / 22	289	G 09 B	27 / 04	30	C 12 Q	1 / 24	116	C 12 P	13 / 06
150-151	A 61 C	3 / 08	143	G 09 B	27 / 02	290-294	G 09 B	27 / 02	31	C 12 Q	1 / 22	117	C 12 P	17 / 00
152-154	A 61 C	3 / 00	144-148	G 09 B	27 / 08	295-297	G 09 B	23 / 00						