

CONCORDANCE - United States to International Patent Classification

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	
U.S. CLASS 131--Con.															
331-333	A 24 D	3 / 06	202	A 61 K	8 / 18	284	A 45 D	8 / 08	105-122	B 08 B	3 / 00	131	E 04 H	15 / 50	
331	A 24 B	15 / 00		A 61 Q	5 / 00	285	A 45 D	29 / 00	122R	B 21 B	45 / 02	132-136	E 04 H	15 / 44	
332	A 24 B	15 / 28		A 61 Q	7 / 00	286	A 45 D	40 / 00		C 23 G	3 / 02	132-138	E 04 H	15 / 36	
333-334	A 24 B	15 / 18		A 61 Q	9 / 00		A 45 D	40 / 18		G 03 D	3 / 13	138	E 04 H	15 / 44	
334	A 24 D	3 / 00	203-205	A 45 D	7 / 04	287	A 45 D	33 / 20	123-201	B 08 B	3 / 00	139-142	E 04 H	15 / 46	
335-336	A 24 D	3 / 04	206	A 45 D	7 / 06	288	A 45 D	33 / 32	123	B 08 B	3 / 04	143-144	E 04 H	15 / 48	
337	A 24 D	3 / 06	207	A 45 D	7 / 04		A 45 D	42 / 10			9 / 00	145	E 04 H	15 / 50	
338-344	A 24 D	3 / 04	208-209	A 61 K	8 / 18	289	A 45 D	27 / 22	172-201	B 08 B	3 / 12	146-155	E 04 H	15 / 48	
341-346	A 24 D	3 / 06	208	A 61 Q	5 / 08	290	A 45 D	27 / 16		B 08 B	6 / 00	156	E 04 H	15 / 42	
346	A 24 D	3 / 04		A 61 Q	5 / 10		A 45 D	27 / 18				157-161	E 04 H	15 / 34	
347	A 24 F	47 / 00	209	A 61 Q	5 / 00	291	A 45 D	27 / 22	U.S. CLASS 135						
348	A 24 D	1 / 14		A 61 Q	7 / 00		A 45 D	42 / 08	TENT, CANOPY, UMBRELLA,			U.S. CLASS 136			
349	A 24 D	1 / 00		A 61 Q	9 / 00	292	A 45 D	27 / 00	OR CANE			BATTERIES:			
350	A 24 D	3 / 18	210	A 45 D	7 / 00	293	A 45 D	33 / 00	15.1	A 45 B	25 / 02	THERMOELECTRIC AND			
	A 24 F	1 / 00	211-212	A 45 D	7 / 02	294	A 45 D	33 / 24		A 45 B		PHOTOELECTRIC			
351	A 24 D	1 / 10	213-213.1	A 45 D	24 / 34		A 45 D	33 / 26	16	A 45 B	3 / 00	200-202	H 01 L	37 / 00	
352	A 24 B	15 / 00	214	A 45 D	24 / 36	295-296	A 45 D	33 / 22		A 45 B	5 / 00	200	H 01 L	35 / 00	
353-354	A 24 B	15 / 12	215	A 45 D	2 / 50	297	A 45 D	33 / 28	17-19	A 45 B	21 / 00	201	H 01 L	35 / 34	
353-358	A 24 B	3 / 14	216	A 45 D	40 / 30	298-299	A 45 D	33 / 02	19.5	A 45 B	13 / 00	203-204	H 01 L	35 / 28	
355	A 24 B	15 / 14	217	A 45 D	2 / 48	300	A 45 D	33 / 24		A 45 B	19 / 00	205	H 01 L	35 / 30	
356-358	A 24 B	15 / 12	218	A 45 D	40 / 26	301-302	A 45 D	42 / 02	20.1	A 45 B	11 / 00	206-207	H 01 L	35 / 00	
359	A 24 B	15 / 00	219	A 45 D	24 / 00	303	A 45 D	33 / 00		A 45 B	17 / 00	208-212	H 01 L	35 / 28	
360	A 24 B	1 / 00	220	A 45 D	2 / 36	304-305	A 45 D	42 / 02		A 45 B	23 / 00	213-216	H 01 L	35 / 00	
361-363	A 24 F	7 / 00		A 45 D	4 / 14	306-307	A 45 D	33 / 02	20.2	A 45 B	19 / 02	217-222	H 01 L	37 / 00	
361	A 24 B	1 / 04	221-223	A 45 D	2 / 00	308-310	A 45 D	44 / 18	20.3-21	A 45 B	11 / 00	223	H 01 L	35 / 28	
362-363	A 24 D	1 / 04	221	A 45 D	37 / 00	311	A 46 B	11 / 00		A 45 B	17 / 00	224-228	H 01 L	37 / 00	
	A 24 D	3 / 00	224-225	A 45 D	2 / 40		A 46 B	15 / 00		A 45 B	25 / 14	229	H 01 L	35 / 28	
364	A 24 D	1 / 00	224	A 45 D	1 / 00	312	A 45 D	40 / 00	22-24	A 45 B	25 / 16	230-234	H 01 L	35 / 02	
365	A 24 D	1 / 02	225	A 45 D	2 / 42	313	A 45 D	44 / 18	25.1	A 45 B	19 / 00	235	H 01 L	35 / 06	
	D 21 H	11 / 00	226	A 45 D	2 / 12		A 46 B	15 / 00	25.2	A 45 B	19 / 12	236.1	H 01 L	35 / 12	
	D 21 H	13 / 00	227	A 45 D	1 / 02	314	A 45 D	40 / 24	25.3-25.34	A 45 B	19 / 10	237	H 01 L	35 / 08	
	D 21 H	15 / 00	228	A 45 D	2 / 22	315	A 45 D	27 / 22	25.4	A 45 B	19 / 08	238	H 01 L	35 / 16	
	D 21 H	17 / 00	229	A 45 D	6 / 06		B 65 D	43 / 14	26	A 45 B	19 / 06		H 01 L	35 / 22	
	D 21 H	19 / 00	229-230	A 45 D	1 / 04	316	A 45 D	42 / 00	27	A 45 B	25 / 02	239-241	H 01 L	35 / 20	
	D 21 H	21 / 00		A 45 D	2 / 36	317-318	A 45 D	40 / 24	28	A 45 B	25 / 06	239	H 01 L	35 / 14	
	D 21 H	23 / 00		A 45 D	4 / 00	319	A 45 D	40 / 30	29-32	A 45 B	25 / 00	242	H 01 L	35 / 02	
	D 21 H	25 / 00	231	A 45 D	4 / 18	320	A 45 D	40 / 26	33.2-33.4	A 45 B	25 / 18	243-251	H 02 N	6 / 00	
	D 21 H	27 / 00	232	A 45 D	1 / 04	321-329	A 61 C	15 / 00	33.41	A 45 B	15 / 00	243	H 01 L	25 / 00	
366	A 24 B	13 / 00	233-234	A 45 D	4 / 16	330-332	A 45 D	8 / 18	33.5-33.6	A 45 B	25 / 00	244-251	H 01 L	31 / 00	
367	A 24 D	1 / 00	233	A 45 D	1 / 20	333	A 45 D	44 / 00	33.7-33.71	A 45 B	25 / 20	252-265	H 01 L	31 / 042	
368	A 24 B	13 / 00	235	A 45 D	2 / 36	U.S. CLASS 134									
	A 24 D	1 / 16	236	A 45 D	6 / 08	CLEANING AND LIQUID									
369-375	A 24 B	15 / 12	237-238	A 45 D	6 / 18	CONTACT WITH SOLIDS									
	A 24 B	3 / 14	237-238	A 45 D	6 / 02	1-1.3	B 08 B	6 / 00		A 45 B	25 / 24		U.S. CLASS 137		
			239-240	A 45 D	2 / 32	1	B 08 B	3 / 12		A 45 B	25 / 12		FLUID HANDLING		
			241	A 45 D	2 / 34		B 08 B	7 / 00		A 45 B	25 / 08	1-12	E 03 B	1 / 00	
			242	A 45 D	2 / 12		B 08 B	7 / 02		A 45 B	1 / 00		F 17 D	1 / 00	
			243	A 45 D	6 / 18		B 08 B	7 / 02		A 45 B	7 / 00		F 17 D	3 / 00	
			244	A 45 D	6 / 08	1.1-1.3	C 25 F	1 / 00		A 45 B	25 / 28	12.5	A 23 L	2 / 00	
			245	A 45 D	6 / 10		C 25 F	3 / 30		A 45 B	9 / 00		B 67 D	1 / 00	
53-56	A 41 G	5 / 00		A 45 D	2 / 00	2	C 03 C	23 / 00		A 45 B	3 / 00	13-14	F 17 D	1 / 16	
53	A 41 G	3 / 00		A 45 D	2 / 18		C 23 G	1 / 00		A 45 B	5 / 00	15.01	F 17 D	1 / 18	
56	A 41 G	3 / 00		A 45 D	2 / 20	3	C 23 G	1 / 02		A 45 B	3 / 00		B 08 B	7 / 00	
57.1-62	A 42 B	7 / 00	246	A 45 D	2 / 14	4-7	B 08 B	7 / 00	66	A 45 B	9 / 02		E 03 B	1 / 00	
63.1-66.1	A 44 B	9 / 00	247	A 45 D	2 / 20	5	C 23 G	1 / 00	67	A 61 H	3 / 02	68-73	F 17 D	1 / 18	
68.1-72.1	A 44 B	9 / 06	248	A 45 D	2 / 14	8	B 08 B	9 / 04	74-75	A 45 B	9 / 00		B 08 B	7 / 00	
73	A 45 D	29 / 00	249	A 45 D	2 / 16	9	B 08 B	7 / 00	76	A 45 B	9 / 02		E 03 B	9 / 02	
73.5	A 45 D	29 / 18	250	A 45 D	2 / 08	10-13	B 08 B	7 / 04	77-83	A 45 B	9 / 04		E 03 B	1 / 00	
	B 26 B	13 / 22	251-252	A 45 D	6 / 16	11	C 23 G	1 / 36	77-86	A 61 H	3 / 02		E 03 B	9 / 00	
73.6	A 45 D	29 / 05	251	A 45 D	6 / 14	10	B 08 B	5 / 00	84	A 45 B	1 / 00		F 17 D	3 / 00	
74.5	A 45 D	29 / 18	252	A 45 D	2 / 18	14	B 08 B	1 / 00		A 45 B	7 / 00	15.02	E 03 B	9 / 02	
75	A 45 D	29 / 20	253	A 45 D	2 / 00	15	B 08 B	1 / 02	85	A 45 B	1 / 02	15.03	G 01 F	1 / 00	
75.3-75.5	A 45 D	29 / 18	254	A 45 D	2 / 00	16-17	B 08 B	7 / 02	86	A 45 B	9 / 04	15.04-15.06	B 08 B	3 / 00	
75.5	B 26 B	17 / 00	255	A 45 D	2 / 14	18	B 08 B	7 / 04	87	E 04 H	15 / 00		B 08 B	5 / 00	
75.6	A 45 D	29 / 04		A 45 D	2 / 14	19-20	B 08 B	7 / 00	88.01-88.09	E 04 H	15 / 06	15.07	B 08 B	1 / 00	
75.8	A 45 D	29 / 05		A 45 D	2 / 24	21	F 23 J	1 / 00	88.1-88.12	E 04 H	15 / 08		B 08 B	9 / 04	
	A 45 D	29 / 14	256	A 45 D	2 / 26	22	B 08 B	5 / 04	88.13-88.18	E 04 H	15 / 06		F 16 L	55 / 26	
76.2	A 45 D	29 / 20	257-258	A 45 D	2 / 28	22.1	B 08 B	9 / 00	90	E 04 H	15 / 04	15.08-15.09	E 03 B	11 / 00	
76.4-76.5	A 45 D	29 / 18	259-260	A 45 D	2 / 24	22.11	B 08 B	9 / 027	91	E 04 H	15 / 10		E 03 B	3 / 00	
101	A 42 B	7 / 00	259-261	A 45 D	2 / 26	22.12-22.17	B 08 B	9 / 00	92	E 04 H	15 / 12		E 03 B	7 / 00	
102-104	A 45 D	24 / 00	262	A 45 D	2 / 14	22.18	B 08 B	9 / 093	93	E 04 H	15 / 14		E 03 B	9 / 00	
105	A 41 G	5 / 00	263-264	A 45 D	2 / 26	22.19-23	B 08 B	9 / 00	94	E 04 H	15 / 16		F 16 K	43 / 00	
106	A 45 D	8 / 38	263	A 45 D	2 / 24	24	B 08 B	9 / 04	95	E 04 H	15 / 30		F 16 K	51 / 00	
107	A 45 D	24 / 30	265	A 45 D	2 / 00	25.1-25.5	B 08 B	9 / 20	96	E 04 H	15 / 02		F 16 L	1 / 024	
108-111	A 45 D	24 / 16	266	A 45 D	6 / 02	26-30	B 08 B	3 / 00	97	E 04 H	15 / 18		F 16 L	55 / 10	
112-116	A 45 D	24 / 22	267	A 45 D	6 / 04	31	B 08 B	5 / 00	98	E 04 H	15 / 28		F 16 L	55 / 18	
117-118	A 45 D	24 / 10	268	A 45 D	2 / 06	32	B 08 B	1 / 02	99	E 04 H	15 / 26		F 17 C	13 / 00	
119	A 45 D	24 / 42	269	A 45 D	2 / 14	33	B 08 B	7 / 00	100	E 04 H	15 / 24	15.1	F 02 B	27 / 00	
119.1	A 45 D	24 / 00	270	A 45 D	1 / 00	34	B 08 B	3 / 00	114	E 04 H					

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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
U.S. CLASS 137--Con.														
U.S. CLASS 137 FLUID HANDLING														
			180	B 60 T	17 / 00	309-311	F 16 K	11 / 00		F 16 K	43 / 00	402	E 03 B	
				F 16 T			F 16 K	49 / 00		F 16 K	51 / 00		E 03 C	
15.22	F 16 K	5 / 00	181	F 16 T	1 / 24	312	D 06 F	39 / 08		F 16 L	55 / 18		F 16 K	21 / 18
15.23	F 16 K	3 / 00		F 16 T			E 03 B		315.33	F 16 K	15 / 00		F 16 K	31 / 20
15.24	F 16 K	5 / 00	182	F 16 T	1 / 48		F 16 K	23 / 00		F 16 L	43 / 00	403	E 03 B	
15.25	F 16 K	1 / 22		F 16 T		313	B 67 D	1 / 16		F 16 K	51 / 00		E 03 C	
15.26	F 16 K	31 / 18	183	F 16 T	1 / 16		E 03 B			F 16 L	55 / 18		F 16 K	21 / 18
	F 16 K	33 / 00		F 16 T			F 16 K	23 / 00	315.35-315.4	F 16 K	31 / 44	404	E 03 B	
38-39	F 16 K	17 / 36	184	E 21 B	43 / 34	314	E 03 B			F 16 K	43 / 00		E 03 C	
	G 05 B			F 16 T			F 16 K	23 / 00		F 16 K	51 / 00		F 16 K	21 / 18
	G 05 D		185	F 16 T	1 / 30		F 25 D	21 / 14		F 16 L	55 / 18		F 16 K	31 / 26
40	E 04 H	4 / 06		F 16 T		315.01	F 16 K	43 / 00	315.41-315.42	B 25 B	27 / 24	405	E 03 B	
	G 05 B		186	F 16 K	24 / 04		F 16 K			F 16 K	43 / 00		E 03 C	
	G 05 D			F 16 T		315.02	E 21 B	33 / 06		F 16 K	51 / 00		F 16 K	11 / 074
41	B 63 C	11 / 16	187	F 16 T	1 / 00		F 16 K	17 / 20		F 16 L	55 / 18		F 16 K	21 / 18
	G 05 B			F 16 T		315.03	F 16 K	31 / 06	316-329.4	F 16 K	43 / 00	406	E 03 B	
	G 05 D		188	F 16 T	1 / 14		F 16 K	43 / 00		F 16 K	51 / 00		E 03 C	
42	G 05 B	99 / 00		F 16 T			F 16 K	51 / 00		F 16 L	55 / 18		F 16 K	21 / 18
	G 05 D		189	F 16 T	1 / 32		F 16 L	55 / 18	330-333	F 16 K	29 / 00		G 05 D	9 / 12
43	B 60 K	15 / 035	190-191	F 16 T	1 / 26	315.04-315.05	F 16 K	17 / 00	334-341	F 16 K	49 / 00	407	E 03 B	
	G 05 B			F 16 T			F 16 K	43 / 00		F 16 L	53 / 00		E 03 C	
	G 05 D		192-196	F 16 T	1 / 20		F 16 K	51 / 00	342	E 03 B	1 / 00		F 16 K	21 / 18
44	B 60 K	15 / 00	197-198	F 16 T		315.06	F 16 L	55 / 18		E 03 B	7 / 00	408	F 22 D	5 / 04
	G 05 B			F 24 D	19 / 08		F 16 K	43 / 00		E 03 C	1 / 00		A 01 K	39 / 022
	G 05 D		199	F 16 K	24 / 04		F 16 L	55 / 18		F 17 D	3 / 00		E 03 B	
45-46	F 16 K	17 / 36	200-201	F 16 T		315.07	G 01 F	1 / 00	343	F 16 L	3 / 00	409-451	F 16 K	21 / 18
	G 05 B			F 24 D	19 / 08		F 16 K	43 / 00	345-355.12	A 01 M	7 / 00		F 16 K	31 / 18
	G 05 D		202	F 16 K	24 / 04		F 16 K	51 / 00		B 60 P	3 / 30	453	E 03 B	
47	G 05 D	13 / 04		F 16 T			F 16 K	7 / 00		E 01 H	1 / 10		E 03 C	
	G 05 D	13 / 08	203	F 16 T		315.08	F 16 L	55 / 18	355.16-355.27	A 62 C	35 / 00		F 17 D	
48	G 05 D	13 / 00		B 60 T	17 / 00		F 16 K	31 / 18		B 65 H	75 / 34		G 05 D	9 / 02
49	G 05 D	13 / 04	204	F 16 T	1 / 14		F 16 K	33 / 00	355.28	F 16 L	3 / 00	454	H 01 M	2 / 36
	G 05 D	13 / 08		F 16 T			F 16 K	43 / 00	356-373	F 16 L	5 / 00		E 03 B	
50-58	G 05 D	13 / 10		F 16 T			F 16 K	51 / 00	374	F 16 L	3 / 00		E 03 C	
59	E 03 B	7 / 10	205	E 07 C	3 / 16	315.09	F 16 L	55 / 18	375	F 16 L	7 / 00		F 17 D	
	E 03 B	7 / 12	205.5	E 03 D	9 / 03		F 16 K	11 / 00	376	F 16 L	3 / 00		F 24 C	5 / 18
	F 16 P		206-209	B 67 D	7 / 72		F 16 K	43 / 00	377-382.5	E 03 B	1 / 00	454.2-454.6	F 16 K	25 / 00
60	E 03 B	7 / 10		F 04 F	1 / 00		F 16 K	51 / 00		E 03 B	3 / 00		F 16 K	51 / 00
	F 16 P			F 04 F	1 / 18		F 16 L	55 / 18		F 16 K	27 / 08	455	F 16 K	15 / 00
61	E 03 B	7 / 10	210	F 04 F		315.11-315.12	F 16 K	27 / 00		F 16 L	35 / 00		F 16 K	17 / 00
	F 16 L	55 / 07		F 16 K	24 / 04		F 16 K	43 / 00		F 16 P	1 / 00	456-466	F 16 K	17 / 00
	F 16 P		211	F 04 D	13 / 16		F 16 K	5 / 00		F 17 D	1 / 00	467-467.5	F 16 K	15 / 00
62	E 03 B	7 / 10		F 04 F			F 16 K	51 / 00	383-385	F 16 K	35 / 00		F 16 K	17 / 00
	E 03 B	7 / 12	211.5-214	B 67 D	7 / 72		F 16 L	55 / 18	386	E 03 B		468	F 16 K	17 / 38
	F 16 P			F 04 F	1 / 00	315.13	F 16 K	25 / 00		E 03 C		469-478	F 16 K	17 / 20
65-66	F 23 D	14 / 72	215-218	E 03 C	1 / 10		F 16 K	43 / 00		F 16 K	21 / 18	479-484	F 02 D	9 / 00
	F 23 D	5 / 16		F 16 K	24 / 00		F 16 K	51 / 00	387	A 47 L	15 / 42	484.2-484.8	F 16 K	17 / 34
67-77	F 16 K	17 / 14	219-222	F 16 K	1 / 12		F 16 L	55 / 18		E 03 B		485-492.5	F 16 K	31 / 12
	F 16 K	17 / 40		F 16 K		315.14	F 16 K	31 / 44		E 03 C			F 16 K	31 / 36
78.1	F 16 K	17 / 36	223-226	F 16 K	15 / 20		F 16 K	43 / 00		F 16 K	21 / 18	493-493.9	F 16 K	17 / 26
	F 16 K	31 / 04	227-229	F 16 K	15 / 20		F 16 K	51 / 00	388	E 03 B			F 16 K	24 / 00
	F 16 K	31 / 12		F 16 K	37 / 00		F 16 L	55 / 18		E 03 C		494	F 16 K	31 / 12
78.2-78.3	F 16 K	17 / 36	230-234.5	F 16 K	15 / 20	315.15	F 16 K	31 / 60		F 16 K	21 / 18		F 16 K	31 / 36
	F 16 K	31 / 00	234.6	B 60 S	3 / 00		F 16 K	43 / 00		F 16 K	24 / 04	495	F 16 K	31 / 14
	G 05 B	11 / 00		E 03 C	1 / 00		F 16 K	51 / 00	389	E 03 B		496-510	F 16 K	31 / 12
78.4	F 16 K	17 / 36		E 04 H	5 / 00		F 16 L	55 / 18		E 03 C			F 16 K	31 / 36
	F 23 D	14 / 72	236.1	E 03 B	7 / 00	315.16	F 16 K	1 / 20		F 16 K	21 / 18	511-513.7	F 16 K	15 / 00
	F 16 K	17 / 36		F 17 D	1 / 08		F 16 K	43 / 00		F 16 K	31 / 20		F 16 K	17 / 00
78.5	F 16 K	17 / 36	237-246.23	F 16 K	11 / 00		F 16 K	51 / 00	390	E 03 B			F 16 K	21 / 04
79-80	F 16 K	17 / 38		F 16 K	3 / 36		F 16 L	55 / 18		E 03 C		514-514.7	F 16 K	21 / 10
81.1-81.2	F 16 K	17 / 36		F 16 K	5 / 22	315.17-315.18	F 16 K	1 / 16		F 16 K	21 / 18	515-543.23	F 16 K	15 / 00
82-86	F 15 B	5 / 00		F 16 K	51 / 00		F 16 K	43 / 00		F 16 K	31 / 26		F 16 K	17 / 00
	G 05 D	16 / 00	247-250	F 16 K	13 / 00		F 16 K	5 / 00	391	E 03 B			F 16 K	21 / 04
87.01-93	G 05 D	11 / 00		F 16 K	13 / 10		F 16 K	51 / 00		E 03 C		544	B 01 D	
94	F 23 D	1 / 00		F 16 L	43 / 00		F 16 L	55 / 18		F 16 K	21 / 18		E 03 B	3 / 18
98-101.31	G 05 D	11 / 00		F 16 L	55 / 24	315.19-315.21	F 16 K	43 / 00		F 16 K	31 / 20		E 03 B	7 / 07
102-107	G 05 D	7 / 00	251.1	F 16 K	13 / 10		F 16 K	5 / 06	392	E 03 B			F 16 K	31 / 06
	G 05 D	9 / 00		F 16 K	31 / 12		F 16 K	51 / 00		E 03 C		545	B 01 D	
109-122	G 05 D	11 / 00	252-254	F 16 K	13 / 00		F 16 L	55 / 18		F 16 K	21 / 18		B 29 C	47 / 68
123-153	F 04 F	10 / 00		F 16 K	13 / 10	315.22	F 16 K	1 / 22		G 05 D	9 / 12		E 03 B	3 / 18
	F 16 L	43 / 00		F 16 L	43 / 00		F 16 K	43 / 00	393	E 03 B			E 03 B	7 / 07
154	B 67 D	7 / 72	255-267	F 16 L	55 / 24		F 16 K	51 / 00		E 03 C		546	B 01 D	
	F 04 F	1 / 00		E 03 B	11 / 00		F 16 L	55 / 18		F 16 K	21 / 18		E 03 B	3 / 18
155	F 04 F	1 / 08		F 17 D	1 / 00	315.23	F 16 K	1 / 36	395	B 01 D	3 / 42		E 03 B	7 / 07
156-170.6	B 67 D	7 / 72	268	E 03 B	11 / 00		F 16 K	1 / 42		E 03 B			F 16 K	1 / 22
	F 04 F	1 / 00		E 03 C	1 / 046		F 16 K	43 / 00		E 03 C		547	B 01 D	
171	F 16 T	1 / 34		F 17 D	1 / 00		F 16 K	51 / 00		F 16 K	21 / 18		B 29 C	47 / 68
	F 16 T		269	E 03 B			F 16 L	55 / 18	396	E 03 B			E 03 B	3 / 18
172	B 01 D	17 / 02		F 15 B	13 / 00	315.24	F 16 K	1 / 48		E 03 C			E 03 B	7 / 07
	F 16 T			F 17 D			F 16 K	43 / 00		E 03 F	5 / 10	549	B 01 D	
173-174	B 01 D	19 / 00	269.5	E 03 B			F 16 K	51 / 00		F 16 K	21 / 18		E 03 B	3 / 18
	F 16 T			F 16 K	15 / 03		F 16 L	55 / 18	397	E 03 B			E 03 B	7 / 07
175	F 16 K	39 / 04		F 17 D		315.25	F 16 K	43 / 00		E 03 C			F 02 M	37 / 22
	F 16 T		270	E										

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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
U.S. CLASS 137--Con.														
560	F 17 D			F 16 L	37 / 56		E 03 C			F 17 D			E 03 C	
561A	F 16 L	41 / 00		F 17 D			F 16 C	1 / 00		F 23 C	7 / 00		F 16 K	11 / 02
561R	E 03 B		595	E 03 B			F 16 C	3 / 00		F 24 F	13 / 08		F 17 D	
	F 03 B	11 / 02		E 03 C			F 17 D	1 / 00	601.09-601.11	E 03 B	1 / 00	606	E 03 B	1 / 00
	F 15 B	13 / 00		F 16 K	31 / 06		F 17 D			E 03 B			E 03 B	
	F 15 B			F 17 D		599.13	E 03 B			E 03 C			E 03 C	
	F 16 L	3 / 01	596-596.15	E 03 B			E 03 C			F 16 K	1 / 16		F 16 K	11 / 22
562-564.5	E 03 B	7 / 07		E 03 C			F 16 C	1 / 00		F 16 K	1 / 24		F 17 D	
565.01	E 03 B	11 / 16		F 15 B	13 / 04		F 16 C	3 / 00		F 16 K	5 / 00	607	E 03 B	1 / 00
	E 03 B	5 / 00		F 17 D			F 17 D	1 / 00		F 17 D			E 03 B	
	E 03 C	1 / 00	596.16	E 03 B			F 17 D			F 24 F	13 / 08		E 03 C	
565.11	E 03 B	5 / 00		E 03 C			G 01 F	5 / 00		F 24 F	13 / 15		F 16 K	11 / 16
	F 04 B	49 / 00		F 15 B	20 / 00	599.14	B 08 B	9 / 02	601.12	E 03 B	1 / 00	613	F 17 D	
565.12	E 03 B	5 / 00		F 17 D			C 02 F	1 / 68		E 03 B			E 03 B	1 / 00
	F 16 K	31 / 44	596.17	E 03 B			E 03 B			E 03 C			E 03 B	
565.13	E 03 B	5 / 00		E 03 C			E 03 C			F 16 K	11 / 22		E 03 C	
	F 16 K	21 / 04		F 16 K	31 / 06		F 16 L	53 / 00		F 16 K	31 / 44		F 17 D	
565.14	E 03 B	5 / 00		F 17 D			F 16 L	58 / 00		F 17 D			G 05 D	16 / 06
	F 16 K	31 / 12	596.18-596.2	E 03 B			F 17 D		601.13	E 03 B	1 / 00	614	E 03 B	1 / 00
565.15	A 61 M	1 / 00		E 03 C			C 02 F	1 / 00		E 03 B			E 03 B	
	B 01 D	21 / 30		F 15 B	13 / 04	599.15	C 02 F	1 / 42		E 03 C			E 03 C	
	E 03 B	5 / 00		F 17 D			C 02 F	5 / 00		F 16 K	31 / 12		F 16 L	37 / 23
565.16	B 67 D	7 / 08	597	E 03 B			E 03 B			F 16 K	31 / 122		F 17 D	
	E 03 B	5 / 00		E 03 C			E 03 C			F 17 D		614.01	E 03 B	1 / 00
	F 16 K	31 / 02		F 16 K	11 / 20		F 17 D		601.14	B 60 T	8 / 36		E 03 B	
565.17	B 01 D	47 / 00		F 17 D		599.16	E 03 B			E 03 B	1 / 00		E 03 C	
	B 65 D	88 / 64	598	F 16 D	65 / 00		E 03 C			E 03 B			F 16 L	37 / 367
	E 03 B	5 / 00	599.01	B 60 T	8 / 36		F 15 C	3 / 00		E 03 C			F 17 D	
565.18	E 03 B	5 / 00		E 03 B			F 16 K	31 / 122		F 16 K	31 / 02	614.02	E 03 B	1 / 00
	F 02 B	3 / 00		E 03 C			F 17 D			F 17 D			E 03 B	
565.19	E 03 B	5 / 00		F 16 L	37 / 00	599.17	E 03 B		601.15	E 03 B	1 / 00		E 03 C	
	F 04 B	49 / 00		F 17 D	3 / 00		E 03 C			E 03 B			F 16 L	37 / 32
	F 15 B	11 / 08		F 17 D			F 16 K	5 / 00		E 03 C			F 17 D	
565.22	F 16 D	31 / 02	599.02	E 03 B			F 17 D			F 16 K	31 / 20	614.03	E 03 B	1 / 00
	B 01 D	47 / 02		E 03 C			E 03 B			F 16 K	31 / 44		E 03 B	
	E 03 B	5 / 00		F 16 L	37 / 00	599.18	E 03 C			F 17 D			E 03 C	
	F 04 F	5 / 00		F 16 L	37 / 107		F 16 K	15 / 00	601.16	E 03 B	1 / 00		F 16 L	37 / 34
	F 04 F	99 / 00		F 17 D			F 16 K	15 / 18		E 03 B			F 17 D	
565.23	E 03 B	5 / 00	599.03	B 67 D	1 / 00		F 16 K	17 / 00		E 03 C		614.04	E 03 B	1 / 00
	F 04 F	3 / 00		E 03 B			F 17 D			F 16 K	1 / 16		E 03 B	
565.24	E 03 B	5 / 00		E 03 C		600	B 67 D	1 / 14		F 16 K	1 / 24		E 03 C	
	F 04 B	17 / 00		F 16 C	3 / 00		E 03 B	1 / 00		F 16 K	5 / 00		F 16 L	37 / 32
565.25	E 03 B	5 / 00		F 17 D	1 / 00		E 03 B			F 16 K	5 / 10		F 17 D	
	F 04 B	17 / 00		F 17 D	3 / 00		E 03 C			F 17 D		614.05	E 03 B	1 / 00
	F 04 B	9 / 14		F 17 D			F 17 D			F 24 F	13 / 08		E 03 B	
565.26	B 01 D	24 / 00	599.04	B 01 F	3 / 02	601.01	A 62 B	9 / 02	601.17	E 03 B	1 / 00		E 03 C	
	E 03 B	5 / 00		E 03 B			E 03 B	1 / 00		E 03 B			F 16 L	37 / 23
565.27-565.28	E 03 B	5 / 00		E 03 C			E 03 B			E 03 C			F 17 D	
565.29	B 67 D	7 / 70		F 16 C	3 / 00		E 03 C			F 02 M	1 / 02	614.06	E 03 B	1 / 00
	E 03 B	11 / 16		F 17 D	1 / 00		F 16 K	31 / 00		F 16 K	1 / 16		E 03 B	
	E 03 B	5 / 00		F 17 D	3 / 00		F 16 K	39 / 00		F 16 K	1 / 24		E 03 C	
	F 04 B	41 / 06		F 17 D			F 17 D			F 16 K	5 / 00		F 16 L	37 / 36
565.3	E 03 B	11 / 16	599.05	A 01 C	23 / 02	601.02	A 01 H	5 / 00		F 17 D			F 17 D	
	E 03 B	5 / 00		E 03 B			E 03 B	1 / 00		F 24 F	13 / 08	614.11	E 03 B	1 / 00
	F 04 B	3 / 00		E 03 C			E 03 B		601.18	B 01 F	5 / 06		E 03 B	
565.31	E 03 B	11 / 16		F 16 C	3 / 00		E 03 C			E 03 B	1 / 00		E 03 C	
	E 03 B	5 / 00		F 17 D	1 / 00		F 16 K	31 / 00		E 03 B			F 16 K	1 / 20
565.32	E 03 B	11 / 16		F 17 D	3 / 00		F 16 K	39 / 00		E 03 C			F 17 D	
	E 03 B	5 / 00		F 17 D			F 17 D			F 17 D	1 / 20	614.12	E 03 B	1 / 00
	F 04 B	17 / 00	599.06	A 61 M	5 / 168	601.03	E 03 B	1 / 00		F 17 D			E 03 B	
	F 04 B	35 / 00		E 03 B			E 03 B		601.19	E 03 B	1 / 00		E 03 C	
565.33	E 03 B	11 / 00		E 03 C			E 03 C			E 03 B			F 16 K	31 / 48
	E 03 B	5 / 00		F 16 C	3 / 00		F 16 K	7 / 00		E 03 C			F 17 D	
	F 01 B	25 / 02		F 17 D	1 / 00		F 16 K	7 / 07		F 15 B	13 / 01	614.13-614.14	E 03 B	1 / 00
565.34	F 01 D	1 / 02		F 17 D	3 / 00		F 17 D			F 17 D	1 / 20		E 03 B	
	B 67 D	7 / 74		F 17 D		601.04	E 03 B	1 / 00		F 17 D			E 03 C	
	E 03 B	11 / 00	599.07	E 03 B			E 03 B		601.2	E 03 B	1 / 00		F 16 K	43 / 00
	E 03 B	5 / 00		E 03 C			E 03 C			E 03 B			F 17 D	
	F 04 B	11 / 00		F 16 C	3 / 00		F 16 K	7 / 02		E 03 C		614.15	E 03 B	1 / 00
	F 16 L	55 / 04		F 16 K	27 / 00		F 17 D			F 16 K	15 / 00		E 03 B	
565.35	B 65 D	88 / 54		F 17 D	1 / 00		F 24 F	13 / 10		F 16 K	15 / 14		E 03 C	
	E 03 B	11 / 00		F 17 D	3 / 00	601.05	E 03 B	1 / 00		F 16 K	17 / 00		F 16 K	1 / 12
	E 03 B	5 / 00		F 17 D			E 03 B			F 16 K	21 / 04		F 17 D	
565.36	F 04 B	49 / 00	599.08	E 03 B			E 03 C			F 17 D		614.16	E 03 B	1 / 00
	E 03 B	11 / 00		E 03 C			F 16 K	1 / 16	601.21	E 03 B	1 / 00		E 03 B	
	E 03 B	5 / 00		F 15 C	3 / 00		F 16 K	1 / 24		E 03 B			E 03 C	
	F 04 B	53 / 04		F 16 K	11 / 00		F 16 K	5 / 00		E 03 C			F 16 K	43 / 00
	F 16 K	51 / 00		F 16 K	11 / 07		F 17 D			F 15 B	13 / 02		F 17 D	
565.37	B 67 D	7 / 58		F 17 D			F 24 F	11 / 04		F 16 K	15 / 00	614.17	E 03 B	1 / 00
	E 03 B	5 / 00	599.09	E 03 B			F 24 F	13 / 08		F 16 K	17 / 00		E 03 B	
	F 16 D	31 / 02		E 03 C		601.06	E 03 B	1 / 00		F 16 K	21 / 04		E 03 C	
571-579	E 03 B	11 / 00		F 15 C	3 / 00		E 03 B			F 17 D			F 16 K	5 / 10
	F 17 D	1 / 00		F 16 K	17 / 00		E 03 C		602	A 23 G	9 / 28		F 17 D	
580	E 03 B	1 / 00		F 17 D			F 16 K	1 / 16		E 03 B	1 / 00	614.18	E 03 B	1 / 00
	E 03 B	3 / 00		G 05 D	16 / 10		F 16 K	1 / 24		E 03 B			E 03 B	
	F 16 L	27 / 00	599.11	E 03 B			F 16 K	5 / 00		E 03 C			E 03 C	
581	E 03 B	11 / 00		E 03 C			F 17 D			F 17 D			F 16 K	1 / 44
	F 17 D	1 / 00		F 16 C	1 / 00		F 24 F	13 / 08	603	E 03 B	1 / 00		F 17 D	
582	E 03 C	1 / 18		F 16 C	3 / 00	601.07-601.08	E 03 B	1 / 00		E 03 B		614.19	E 03 B	1 / 00
583-589	F 16 K	24 / 00		F 16 K	11 / 00		E 03 B			E 03 C	1 / 086		E 03 B	
590-593	E 03 B	11 / 00		F 17 D	1 / 00		E 03 C			E 03 C				

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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
U.S. CLASS 137--Con.														
614.2	E 03 B		625.2-625.21	E 03 B			F 16 K	11 / 074	625.5	E 03 B		635-636	E 03 B	
	E 03 C			E 03 C			F 17 D			E 03 C			E 03 C	
	F 16 K	1 / 30		F 16 K	11 / 074	625.5	E 03 B			F 16 K	11 / 18		F 16 K	11 / 18
	F 17 D			F 17 D			E 03 C			F 17 D		872-874	F 16 K	1 / 00
614.21	E 03 B	1 / 00	625.22-625.24	B 62 D	5 / 083		F 16 K	11 / 044		E 03 B		875	F 16 K	1 / 00
	E 03 B			E 03 B			F 17 D			E 03 C			F 16 K	1 / 16
	E 03 C			E 03 C		625.6	E 03 B			F 16 K	11 / 16		F 16 K	1 / 00
	F 16 K	43 / 00		F 17 D			E 03 C			F 17 D		876	F 16 K	1 / 00
	F 17 D			F 17 D			E 03 B			E 03 C			F 16 K	5 / 00
615-616	E 03 B	1 / 00	625.25	E 03 B			F 15 B	13 / 04		F 17 D		877	F 16 K	17 / 02
	E 03 B			E 03 C			F 17 D			E 03 C			F 16 K	17 / 04
	E 03 C			F 16 K	11 / 065	625.61-625.62	E 03 B			F 16 K	11 / 18	878	F 16 K	17 / 04
	F 15 B	13 / 00		E 03 C			F 17 D			F 17 D		879	F 16 K	1 / 14
	F 17 D			F 16 K			E 03 C			F 16 K			F 16 K	15 / 04
616.3	A 01 H	5 / 02	625.26	E 03 B			F 15 B	13 / 043		F 17 D			F 16 K	17 / 04
	E 03 B	1 / 00		E 03 C		625.63	E 03 B			F 16 K	11 / 20		F 15 B	13 / 00
	E 03 B			F 16 K	11 / 07		E 03 C			F 17 D			F 16 K	1 / 02
	E 03 C			F 17 D			E 03 C			E 03 B		637.05	F 16 K	17 / 04
	F 15 B	13 / 00		E 03 C			F 15 B	13 / 04		F 17 D			F 16 K	17 / 06
	F 17 D			F 16 K	11 / 044	625.64	E 03 B			E 03 C	37 / 373		F 16 K	17 / 06
616.5	E 03 B	1 / 00	625.28	E 03 B			E 03 C			F 17 D			F 17 D	
	E 03 B			E 03 C			F 15 B	13 / 043		F 17 D		881	E 03 B	
	E 03 C			E 03 C			F 17 D			E 03 B			E 03 C	
	F 16 K	31 / 524		F 16 K	7 / 18	625.65	E 03 B			F 16 K	35 / 14		F 16 K	17 / 04
	F 17 D			F 17 D			E 03 C			F 17 D			F 17 D	
616.7	E 03 B	1 / 00	625.29	E 03 B			F 16 K	31 / 06		E 03 B			E 03 B	
	E 03 B			E 03 C			F 17 D			E 03 C			E 03 C	
	E 03 C			F 16 K	11 / 074	625.66	E 03 B			F 16 K	11 / 20		F 16 K	17 / 04
	F 16 K	31 / 58		F 17 D			E 03 C			F 17 D			F 17 D	
	F 17 D			E 03 B			F 16 K	11 / 07		E 03 B			F 17 D	
624.11-624.12	E 03 B		625.3	E 03 B			E 03 C			F 16 K	5 / 02		E 03 B	
	E 03 C			E 03 C			F 17 D			F 17 D			E 03 C	
	F 16 K	31 / 48		F 16 K	47 / 08	625.67	E 03 B			F 16 K			F 16 K	1 / 00
	F 17 D	3 / 00		F 17 D			E 03 C			F 17 D			F 16 K	11 / 22
624.13	E 03 B		625.31	E 03 B			F 15 B	13 / 04		E 03 B			F 17 D	
	E 03 C			E 03 C			F 17 D			E 03 C			E 03 B	
	F 16 K	11 / 074		F 16 K	3 / 08	625.68-625.69	E 03 B			F 16 K	17 / 14		E 03 C	
	F 17 D	3 / 00		F 17 D			E 03 C			F 16 K	17 / 40		F 15 B	13 / 00
624.14	A 01 G	25 / 16	625.32	E 03 B			F 16 K	11 / 07		F 16 K	5 / 06		F 16 K	1 / 00
	E 03 B			E 03 C			F 17 D			F 17 D			F 17 D	
	E 03 C			F 16 K	47 / 04	626	B 60 R	17 / 00		E 03 B			F 17 D	
	F 17 D	3 / 00		F 17 D			E 03 B			F 16 L	37 / 05		E 03 C	
624.15-624.16	E 03 B		625.33	E 03 B			E 03 C			F 16 L			F 16 K	31 / 12
	E 03 C			E 03 C			F 17 D			B 60 K	15 / 04		F 16 K	7 / 07
	F 16 K	31 / 48		F 16 K	47 / 08	627	E 03 B			E 03 B			F 17 D	
	F 17 D	3 / 00		F 17 D			E 03 C			E 03 C			E 03 B	
624.17	C 03 B	9 / 40	625.34-625.36	E 03 B			F 16 K	11 / 074		F 16 L			E 03 C	
	E 03 B			E 03 C			F 17 D			F 16 L	35 / 00		F 16 K	1 / 02
	E 03 C			F 16 K	1 / 44	627.5	B 60 G	17 / 052		F 15 B	13 / 00		F 16 K	11 / 04
	F 17 D	3 / 00		F 17 D			E 03 B			F 16 K	21 / 00		F 17 D	
624.18-624.19	E 03 B	3 / 00	625.37	E 03 B			E 03 C			B 08 B	9 / 04		F 17 D	
	E 03 C			E 03 C			F 17 D			E 03 B			B 60 H	1 / 00
	F 16 K	31 / 48		F 16 K	3 / 24	628	E 03 B			E 03 B			E 03 B	
	F 17 D	3 / 00		F 17 D			E 03 C			E 03 C			F 16 K	5 / 00
624.2	A 01 G	25 / 16	625.38-625.39	E 03 B			F 16 K	3 / 24		F 16 K			F 17 D	
	E 03 B			E 03 C			F 17 D			F 17 D			F 17 D	
	E 03 C			F 16 K	3 / 26		E 03 B			F 15 C	1 / 00		B 01 F	5 / 04
	F 17 D	3 / 00		F 17 D		629	E 03 B			F 15 C	4 / 00		E 03 B	
624.21-624.22	E 03 B		625.4	E 03 B			E 03 C			F 15 B	21 / 00		E 03 C	
	E 03 C			E 03 C			E 21 B	34 / 10		F 15 C	1 / 16		F 16 K	
	F 16 K	31 / 48		E 03 C			F 17 D			F 15 C	1 / 12		F 17 D	
	F 17 D	3 / 00		F 16 K	11 / 078	630-630.11	E 03 B			F 15 C	1 / 14		E 03 B	
	F 17 D	3 / 00		F 17 D			E 03 C			F 15 C	1 / 20		E 03 C	
624.27	F 16 K	31 / 00	625.41	E 03 B			F 16 K	39 / 02		F 15 C	1 / 04		F 16 K	11 / 00
625	A 01 G	25 / 16		E 03 C			F 17 D			F 15 C	1 / 08		F 16 K	
	E 03 B			F 16 K	11 / 087	630.12	E 03 B			F 15 C	1 / 04		F 17 D	
	E 03 C			F 17 D			E 03 C			F 15 C	3 / 00		F 17 D	
	F 17 D			E 03 C			F 16 K	3 / 18		F 15 C	3 / 00		B 01 F	5 / 04
625.11-625.12	E 03 B		625.42	E 03 B			F 17 D			F 15 C	1 / 08		E 03 B	
	E 03 C			E 03 C			E 03 B			F 15 C	1 / 04		E 03 C	
	F 16 K	11 / 074		F 16 K	11 / 07	630.13-630.15	E 03 B			F 15 C	3 / 00		F 16 K	
	F 17 D			F 17 D			E 03 C			F 15 C	1 / 06		F 17 D	
625.13	E 03 B		625.43	E 03 B			F 16 K	39 / 02		F 15 C	1 / 08		B 67 D	1 / 00
	E 03 C			E 03 C			F 17 D			F 15 C	1 / 18		E 03 B	
	F 16 K	11 / 02		F 16 K	11 / 074	630.16-630.17	E 03 B			F 16 K	15 / 14		E 03 C	
	F 17 D			F 17 D			E 03 C			F 16 K	15 / 16		F 16 K	
625.14-625.15	E 03 B		625.44	E 03 B			F 16 K	11 / 16		F 16 K	15 / 14		F 17 D	
	E 03 C			E 03 C			F 17 D			F 16 K	1 / 00		F 17 D	
	F 16 K	11 / 074		F 16 K	11 / 052	630.18	E 03 B			F 16 K	1 / 00		B 01 F	5 / 04
	F 17 D			F 17 D			E 03 C			F 16 K	15 / 00		E 03 B	
625.16	E 03 B		625.45	E 03 B			F 16 K	1 / 44		F 16 K	17 / 00		E 03 C	
	E 03 C			E 03 C			F 17 D			F 16 K	3 / 00		F 16 K	
	F 16 K	11 / 083		F 16 K	11 / 085	630.19	E 03 B			F 16 K	5 / 00		F 17 D	
	F 17 D			F 17 D			E 03 C			F 16 K	7 / 00		B 67 D	1 / 00
625.17	E 03 B		625.46	E 03 B			F 01 D	17 / 18		F 16 K	1 / 02		E 03 B	
	E 03 C			E 03 C			F 17 D			F 16 K	11 / 14		E 03 C	
	F 16 K	11 / 074		F 16 K	11 / 074	630.2	E 03 B			F 16 K	11 / 14		F 16 K	
	F 17 D			F 17 D			E 03 C			F 16 K	11 / 14		F 17 D	
625.18	E 03 B		625.47	E 03 B			F 16 K	11 / 16		F 16 K	7 / 00		A 01 G	25 / 09
	E 03 C			E 03 C			F 17 D			F 16 K	1 / 14		B 60 P	3 / 22
	F 16 K	11 / 065		F 16 K	11 / 085	630.21	E 03 B			F 16 K	11 / 14		B 60 P	3 / 30
	F 17 D			F 17 D			E 03 C			F 16 K	15 / 04		B 60 R	15 / 04
625.19	E 03 B		625.48	E 03 B			E 03 C			F 16 K	11 / 14		E 01 H	1 / 10
	E 03 C			E 03 C			F 16 K	5 / 10		F 16 K	11 / 14		E 01 H	3 / 02
	F 16 K	11 / 085		F 17 D			F 17 D			F 16 K	17 / 04			
	F 17 D			F 16 K	11 / 07	630.22	E 03 B			F 16 K	11 / 14			