

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
U.S. CLASS 415--Con.																	
213.1	F 03 D	11 / 04		F 01 D	23 / 00		F 01 D	5 / 00	146R	A 47 C	21 / 04	176	B 63 H	1 / 26			
	F 04 D	29 / 60		F 03 D	5 / 02		F 03 B	3 / 12		A 47 C	7 / 74		B 63 H	5 / 07			
214.1-215.1	F 01 D	25 / 24	9-16	F 03 D	7 / 02		F 03 D	1 / 06		B 63 H	1 / 00		B 64 C	11 / 16			
	F 03 B	11 / 02	9-17	F 03 D		94	B 64 C	11 / 14		B 63 H	13 / 00		B 64 C	27 / 46			
	F 04 D	29 / 40	9-19	F 03 B	7 / 00	95-96	B 63 H	1 / 14		B 63 H	15 / 00		F 01 D	5 / 14			
214.1-216.1	F 03 D	11 / 00	17	F 03 D	3 / 06		B 63 H	7 / 02		B 63 H	5 / 00		F 03 D	11 / 02			
216.1	F 01 D	25 / 00	18-19	B 63 H	3 / 00		B 64 C	11 / 00		B 63 H	7 / 00	177	B 63 H	1 / 16			
	F 03 B	11 / 00		F 01 D	7 / 00		F 01 D	5 / 08		B 64 C	11 / 00		B 64 C	11 / 00			
217.1-218.1	F 04 D	29 / 04	18	B 63 H	1 / 06		F 03 D	11 / 02		F 01 D	25 / 00		B 64 C	27 / 20			
	F 03 B	1 / 02		B 64 C	11 / 30		F 04 D	29 / 58		F 03 D	9 / 00		F 01 D	5 / 22			
	F 03 B	3 / 12		F 01 D	19 / 00		F 01 D	5 / 18		F 04 D	29 / 00		F 03 D	11 / 00			
	F 03 D	3 / 06		F 01 D	21 / 00		F 01 D	5 / 14	147-167	B 63 H	1 / 06	178	B 63 H	1 / 26			
	F 03 D	5 / 00		F 03 D	9 / 00		F 01 D	5 / 28		F 01 D	7 / 00		B 63 H	5 / 07			
217.1-219.1	F 03 D	1 / 06	19-24	F 01 D	5 / 00		F 01 D	5 / 08		F 03 B	3 / 14		B 64 C	11 / 16			
217.1	F 01 D	5 / 28		F 03 B	3 / 12		F 01 D	5 / 20		F 03 D			B 64 C	27 / 46			
	F 04 D	29 / 02	19-53	F 04 D	29 / 18		B 64 C	27 / 00		F 04 D	29 / 36		F 01 D	5 / 14			
	F 04 D	7 / 00		F 04 D	29 / 26		B 63 H	3 / 00	147	B 64 C	11 / 06		F 03 D	11 / 02			
218.1	F 01 D	5 / 02	19	B 63 H	1 / 00		F 01 D	7 / 00		B 64 C	11 / 30	179-189	B 63 H	1 / 16			
	F 04 D	29 / 18		B 63 H	5 / 00		F 03 B	3 / 14	148	B 64 C	27 / 02		B 64 C	11 / 00			
	F 04 D	29 / 26		B 64 C	11 / 00		F 03 D			B 64 C	27 / 52		B 64 C	27 / 20			
219.1-224	F 01 D	1 / 00		B 64 C	27 / 00		F 04 D	29 / 36	149-150	B 64 C	11 / 06		F 01 D	5 / 22			
219.1-228	F 01 D	25 / 24		F 03 D		98	B 64 C	11 / 06		B 64 C	11 / 30	179-192	F 03 D	11 / 00			
	F 01 D	9 / 00			11 / 00		B 64 C	11 / 30		F 03 B	17 / 06	190	B 64 C	11 / 16			
	F 03 B	11 / 02			15 / 02		B 64 C	27 / 54	149-153	B 64 C	27 / 00		F 01 D	25 / 04			
219.1	F 03 B	3 / 00			27 / 18		B 64 C	11 / 00	151-153	B 64 C	11 / 00		F 01 D	5 / 10			
	F 03 D	11 / 00	23-24	B 64 C	11 / 28		B 64 C	11 / 06	154	B 63 H	3 / 08		F 01 D	5 / 26			
	F 04 D	29 / 00		B 64 C	9 / 00		B 64 C	11 / 30		B 64 C	11 / 38		F 03 B	11 / 04			
220-223	F 03 B	3 / 04		F 03 D		100	F 04 D	25 / 10		B 64 C	27 / 64		F 04 D	29 / 66			
	F 04 D	19 / 00	23	B 64 C	27 / 615	101	F 03 B	17 / 06	155	B 63 H	3 / 00	191-192	B 63 H	1 / 16			
	F 04 D	29 / 52	24	B 64 C	27 / 46	102	B 64 C	27 / 41		B 64 C	11 / 00		B 63 H	7 / 02			
	F 04 D	3 / 00	25-30	B 63 H	3 / 10		B 64 C	27 / 52		B 64 C	27 / 00		B 64 C	11 / 00			
220-224	F 03 B	1 / 00		B 64 C	11 / 30	103	B 64 C	27 / 32	156-158	B 63 H	3 / 08		B 64 C	27 / 20			
220	F 03 D	1 / 04	25-53	F 01 D	7 / 00	104	B 63 H	3 / 00		B 64 C	11 / 38		F 03 B	7 / 00			
222-223	F 03 D	1 / 04		B 63 H	3 / 00	105	B 64 C	27 / 46	156	B 64 C	11 / 42		F 04 D	29 / 38			
224-228	F 03 B	3 / 00	31-53	B 64 C	11 / 00	106-107	B 64 C	27 / 51	158	B 64 C	11 / 42	191-195	F 01 D	5 / 22			
224	F 03 D	3 / 04		B 64 C	27 / 00	108-110	B 64 C	11 / 06	159-167	B 63 H	3 / 00	193A	F 01 D	11 / 00			
	F 04 D	11 / 00		F 03 B	7 / 00		B 64 C	11 / 30		B 64 C	27 / 00		F 01 D	5 / 30			
	F 04 D	23 / 00		F 03 D		108-119	B 63 H	3 / 00	159	B 64 C	11 / 00	193R	B 63 H	1 / 16			
	F 04 D	29 / 40	32	F 03 D	7 / 02		B 64 C	27 / 00	160	B 64 C	11 / 06		B 64 C	11 / 00			
	F 04 D	5 / 00	39	F 01 P	7 / 06		F 01 D	7 / 00		B 64 C	11 / 30	194-195	B 63 H	7 / 02			
224.5-226	F 03 B	3 / 16	41	F 03 D	7 / 02		F 03 B	3 / 14		B 64 C	11 / 00		B 64 C	11 / 16			
	F 04 D	29 / 42	44	F 03 D	3 / 06		F 03 D		161	B 64 C	11 / 06		B 64 C	27 / 46			
224.5-228	F 01 D	1 / 06	52	F 03 D	7 / 02		F 04 D	29 / 36	162-164	B 64 C	11 / 30		F 01 D	25 / 04			
	F 01 D	1 / 22	54-59	F 01 B	23 / 00	108	B 63 H	1 / 10	162	B 63 H	3 / 08		F 03 B	11 / 04			
	F 04 D	1 / 00		F 01 D	15 / 00	109	A 01 H	5 / 00	163-164	B 63 H	3 / 04		F 03 B	3 / 12			
	F 04 D	17 / 00		F 03 B	13 / 00	110	F 04 D	25 / 10	165	B 64 C	11 / 00		F 03 D	11 / 00			
227-228	F 01 D	5 / 04		F 04 D	29 / 00	111	B 64 C	11 / 00	166-167	B 63 H	3 / 04		F 04 D	29 / 66			
	F 01 D	5 / 12	60	D 05 B	81 / 00	112	B 64 C	11 / 06		B 64 C	11 / 06	194-196	B 63 H	1 / 14			
	F 03 B	3 / 12	61-63	B 63 H	1 / 00		B 64 C	11 / 30		B 64 C	11 / 30	196A-196R	F 03 D	1 / 06			
	F 04 D	29 / 00		B 63 H	3 / 00		B 64 C	27 / 54	168A	F 03 D	1 / 06	196A	F 03 D	11 / 04			
229-231	F 01 D	25 / 16		B 63 H	5 / 00	113	B 64 C	11 / 00		F 03 D	11 / 00	196R	F 01 D	5 / 22			
	F 03 B	11 / 06		B 63 H	7 / 00	114-115	B 64 C	11 / 06		F 03 D	7 / 02		F 01 D	5 / 24			
229-232	F 01 D	25 / 00		B 64 C	11 / 00		B 64 C	11 / 30	168R	B 63 H	3 / 04	197A	F 03 D	3 / 00			
	F 03 B	11 / 00		B 64 C	27 / 00	114	B 64 C	27 / 605		B 64 C	11 / 36		F 03 D	3 / 04			
	F 03 D	11 / 00		F 01 D	25 / 00	115	B 64 C	27 / 10		F 03 B	3 / 14		F 03 D	3 / 06			
229	F 04 D	29 / 04		F 01 D	5 / 00	116	B 64 C	11 / 00			21 / 04	197B	F 03 B	1 / 02			
230-231	F 04 D	29 / 10		F 03 B	3 / 12	117-119	B 64 C	11 / 06			7 / 74	197C	B 23 P	15 / 00			
232	F 04 D	29 / 00		F 03 D			B 64 C	11 / 30			1 / 00		F 16 H	41 / 24			
			61	F 04 D	29 / 00		F 03 D	3 / 06			13 / 00	197R	F 16 H	41 / 28			
			62	B 64 C	11 / 30	120-123	B 63 H	5 / 08			15 / 00		B 63 H	1 / 26			
			63	F 04 D	29 / 38		B 64 C	11 / 46			3 / 00		B 63 H	7 / 02			
			64-68	F 04 D	25 / 08		B 64 C	27 / 08			5 / 00		B 64 C	11 / 16			
			69-73	F 03 D	5 / 04	120-130	F 01 D	1 / 24			7 / 00		B 64 C	27 / 46			
				A 01 M	3 / 02		F 03 D	1 / 02			11 / 00		F 01 D	5 / 14			
1-2	B 64 C	11 / 00		A 45 B	27 / 00	120-143	F 04 D	29 / 18			27 / 00	198A-200R	B 63 H	1 / 00			
	B 64 C	27 / 00		A 47 J	43 / 10		F 04 D	29 / 26			25 / 00		B 63 H	13 / 00			
1	B 63 H			A 47 J	43 / 27	124-129	B 63 H	5 / 10			3 / 12		B 63 H	15 / 00			
	F 01 D	5 / 18	74	B 63 H	16 / 06		B 64 C	11 / 48			9 / 00		B 63 H	5 / 02			
	F 03 D		75-77	A 47 J	43 / 10		B 64 C	27 / 10			29 / 00		B 63 H	5 / 08			
2	B 63 H	1 / 00		A 47 J	43 / 27	130	B 63 H	5 / 08	173	B 63 H	16 / 00		B 63 H	1 / 00			
	B 63 H	3 / 00	75	A 45 B	27 / 02		B 64 C	11 / 46	174-175	B 63 H	1 / 00		B 63 H	15 / 00			
	B 63 H	5 / 00	78	B 63 H	5 / 02		B 64 C	27 / 08			11 / 00		B 63 H	5 / 02			
	B 63 H	7 / 00	79-83	F 03 D	5 / 06		B 64 C	27 / 80			27 / 00		B 63 H	5 / 08			
	F 01 D	25 / 00	84-86	B 63 H	1 / 38	131-143	B 63 H	1 / 06	174	B 63 H	3 / 00		B 64 C	11 / 00			

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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 416--Con.														
202-203	F 03 D	11 / 02	33-39	F 04 B	49 / 00		F 04 B	5 / 00	477.1-477.9	F 04 B	43 / 12		F 03 C	4 / 00
	F 04 D	29 / 38	40	F 04 B	49 / 04	269-270	F 04 B	27 / 08	477.1-478	F 04 B	43 / 08		F 04 C	14 / 18
		5 / 30	41-43	F 04 B	49 / 00	269	F 04 B	1 / 12		F 04 B	45 / 06		F 04 C	2 / 00
204A	F 01 D	5 / 02	44.1-45	F 04 B	49 / 06	270	F 04 B	1 / 26	479-480	F 04 B	43 / 00		F 04 C	28 / 18
	F 04 D	29 / 26	46-47	F 04 B	49 / 00	271-272	F 04 B	1 / 00	481-484	F 04 C	21 / 00	33-38	F 01 C	1 / 00
		1 / 20	48-49	F 04 B	37 / 02		F 04 B	27 / 00	485	F 04 B	23 / 00		F 03 C	2 / 00
		13 / 00		F 04 F	99 / 00	273	F 04 B	1 / 04		F 04 B	41 / 00		F 03 C	4 / 00
		15 / 00	50	H 02 K	44 / 00		F 04 B	27 / 04	486-488	F 04 B	19 / 00		F 04 C	18 / 00
		5 / 00		H 02 K	44 / 08	274-311	F 04 B	49 / 00		F 04 B	37 / 00		F 04 C	2 / 00
		27 / 48	51	F 04 B	37 / 02	312-313	F 04 B	39 / 00	489-491	F 04 B	7 / 04	39	F 01 C	13 / 00
		11 / 00	52	F 04 B	19 / 24		F 04 B	53 / 00	489-501	F 04 B	39 / 10		F 01 C	21 / 00
204R	B 64 C	11 / 04	53	F 04 B	43 / 12	313	F 04 B	23 / 00	492	F 04 B	7 / 06		F 03 C	2 / 00
	F 03 B	3 / 12		F 04 B	49 / 06	314-315	F 04 B	19 / 00	493-499	F 04 B	7 / 04		F 04 C	15 / 00
	F 04 D	29 / 34		F 04 B			F 04 B	37 / 00	500	F 04 B	7 / 06		F 04 C	2 / 00
205-209	B 64 C	11 / 06	54-55	F 04 F		316-318	F 04 B	17 / 00	501	F 04 B	7 / 04		F 04 C	29 / 00
	B 64 C	11 / 08	54	F 04 F	5 / 46	316-319	F 04 B	35 / 00	502-503	F 04 B	23 / 00	40-44	F 01 C	20 / 00
	F 03 B	3 / 14	55	F 04 F	9 / 00		F 04 B	9 / 00		F 04 B	41 / 00		F 03 C	2 / 00
	F 04 D	29 / 36	56-60	F 04 B	47 / 12	320	F 04 B	19 / 14	504	F 04 B	49 / 00		F 03 C	4 / 00
		11 / 04	61	F 04 B	53 / 00	321-339	F 04 B	17 / 00	505-506	F 04 B	7 / 00		F 04 C	14 / 00
		29 / 34	62	F 04 B	23 / 04		F 04 B	35 / 00	505-508	F 04 B	39 / 08		F 04 C	2 / 00
		3 / 12	63	F 04 B	49 / 00	321	F 01 B	23 / 08	507-508	F 04 B	7 / 02		F 04 C	28 / 00
		1 / 26	64	F 04 F	99 / 00	334-336	F 04 B	17 / 02	509	F 04 B	39 / 10	45	F 01 C	5 / 00
		7 / 02	65	E 21 B	43 / 12	340	F 04 B	31 / 00		F 04 B	7 / 04		F 03 C	2 / 00
		11 / 16		F 04 F		341-352	F 04 B	35 / 00	510-520	F 04 B	7 / 00		F 03 C	4 / 00
		27 / 46	66-67	F 04 F	99 / 00	341-357	F 04 B	17 / 00	521-522	F 04 B	23 / 04		F 04 C	18 / 00
		5 / 14	68-69	F 04 C	19 / 00	353-354	F 04 B	35 / 04		F 04 B	41 / 06		F 04 C	2 / 00
		7 / 00	70-72	F 04 F	99 / 00	355	F 04 B	35 / 00	523	F 04 B	53 / 00		F 04 C	5 / 00
		11 / 02	73-75	F 04 F	1 / 16	356-357	F 04 B	35 / 04	524-530	F 04 B	1 / 00		F 16 N	13 / 20
		29 / 38	76-79	F 04 B	23 / 04	358	F 04 B	47 / 10	529	F 04 B	23 / 04	46-47	F 01 C	21 / 00
231A	B 01 F	15 / 00	80-84	F 04 B	23 / 08	359-375	F 04 B	35 / 00	531-532	F 04 B	39 / 10		F 03 C	2 / 00
	F 04 D	29 / 22	85-86	F 04 B	23 / 14	359-377	F 04 B	17 / 00		F 04 B	53 / 10		F 03 C	4 / 00
231B	A 23 L	3 / 18	87-91	F 04 B	23 / 08	366-373	F 04 B	39 / 06	533	F 04 B	23 / 04		F 04 C	15 / 00
	A 61 L	2 / 04	92-104	F 04 F	99 / 00	366	F 04 B	39 / 02		F 04 B	41 / 06		F 04 C	2 / 00
	F 04 D	29 / 32	105-107	F 04 F	1 / 04	368-373	F 04 B	39 / 02	534-538	F 04 B	39 / 10		F 04 C	29 / 00
	B 63 H	1 / 28		F 04 F	3 / 00	374	F 04 B	9 / 14		F 04 B	53 / 10	48	F 16 N	13 / 20
	B 64 C	11 / 16	108-117	F 04 F	1 / 18	375	F 04 B	47 / 08	539-544	F 04 B	11 / 00		F 01 C	1 / 10
	F 01 D	5 / 14	118-147	F 04 F	1 / 06	377	F 04 B	35 / 00	545-554	F 04 B	53 / 12		F 01 C	5 / 00
	B 64 C	11 / 24	118-148	F 04 F	3 / 00	378	F 04 B	35 / 02	545-555.2	F 04 B	39 / 10		F 03 C	2 / 00
	F 01 D	5 / 18	149	F 04 F	1 / 02		F 04 B	9 / 08	555.1-555.2	F 04 B	53 / 00		F 03 C	4 / 00
232-233	B 63 H	1 / 26	150	F 04 F	3 / 00	379-382	F 04 B	17 / 00	556-557	F 04 B	39 / 00		F 04 C	18 / 00
	B 63 H	7 / 02	151	F 04 F	5 / 00		F 04 B	35 / 00	556	F 04 B	53 / 12		F 04 C	2 / 00
	B 64 C	27 / 46	152-154	F 04 F	9 / 00	383-389	F 04 B	35 / 02	557-558	F 04 B	53 / 00		F 04 C	5 / 00
	F 03 D	11 / 02	155-157	F 04 F	5 / 16	383	F 04 B	9 / 08	558-571	F 04 B	39 / 10		F 16 N	13 / 20
	F 04 D	29 / 38	157	F 04 F	5 / 48	384	F 04 B	9 / 12	559-571	F 04 B	53 / 10	49-54	F 01 C	1 / 02
	F 03 B	3 / 12	158-159	F 04 F	9 / 00	385-390	F 04 B	9 / 08	572	F 04 B	39 / 00		F 01 C	1 / 063
	F 03 B	7 / 00	160	F 04 F	5 / 44	390-393	F 04 B	17 / 00		F 04 B	53 / 00		F 03 C	2 / 00
	B 64 C	11 / 16	161	F 04 F	5 / 00		F 04 B	35 / 00					F 03 C	4 / 00
	F 01 D	5 / 14	162	F 04 F	5 / 48	394-395	F 04 B	45 / 00	U.S. CLASS 418					
		1 / 28	163-170	F 04 F	5 / 22	394	F 04 B	43 / 10	ROTARY EXPANSIBLE					
		13 / 00	171	F 04 F	5 / 42	395	F 04 B	43 / 06	CHAMBER DEVICES					
		15 / 00	172-178	F 04 F	5 / 00	396-409	F 04 B	17 / 00	1	F 01 C		55.1-55.6	F 01 C	1 / 02
		5 / 00	179-180	F 04 F	5 / 46		F 04 B	35 / 00		F 03 C	2 / 00		F 01 C	1 / 063
		7 / 00	181	F 04 F	5 / 44	410.1-411	F 04 B	17 / 00		F 03 C	4 / 00		F 03 C	2 / 00
		11 / 14	182-193	F 04 F	5 / 48		F 04 B	35 / 04		F 03 C	2 / 00		F 04 C	4 / 00
		27 / 32	194	F 04 F	5 / 00	412	F 04 B	43 / 00		F 04 C	15 / 00		F 04 C	18 / 00
		25 / 00	195	F 04 F	5 / 36		F 04 B	45 / 00		F 04 C	2 / 00		F 04 C	2 / 00
		5 / 00	196	F 04 F	5 / 44	413.1-415	F 04 B	17 / 00		F 16 N	13 / 20	56-67	F 01 C	1 / 02
		1 / 02	197	F 04 F	5 / 00	414-418	F 04 B	35 / 04	2	F 01 C	21 / 00		F 01 C	1 / 063
		11 / 00	198	F 04 F	5 / 44	416-418	F 04 B	17 / 04		F 03 C	2 / 00		F 03 C	2 / 00
		11 / 00	199.1-199.2	F 04 B	23 / 08	419-425	F 04 B	17 / 00		F 03 C	4 / 00		F 03 C	4 / 00
		29 / 00	200	F 04 D	9 / 00	423.1-424.2	F 04 B	35 / 04		F 04 C	2 / 00		F 04 C	18 / 00
247A	B 63 H	5 / 16	201-203	F 04 B	23 / 14	425	F 04 B	35 / 00		F 04 C	29 / 00		F 04 C	2 / 00
	F 16 K	35 / 10	204	F 04 B	23 / 10		F 04 B	9 / 14		F 16 N	13 / 20	68	F 16 N	13 / 20
		13 / 00	205	F 04 B	23 / 08	426-429	F 04 B	23 / 04	3	F 01 C	1 / 30		F 01 C	3 / 00
		15 / 00	206	F 04 B	23 / 12		F 04 B	41 / 06		F 01 C	11 / 00		F 03 C	2 / 00
		5 / 00	207-209	F 04 B	19 / 24	430-432	F 04 B	53 / 00		F 03 C	2 / 00		F 03 C	4 / 00
247R	B 63 H	1 / 00		F 04 F	1 / 18	430-435	F 04 B	39 / 00		F 03 C	4 / 00		F 04 C	18 / 00
	B 63 H	7 / 00	210	F 04 B	47 / 14	434-435	F 04 B	53 / 00		F 04 C	18 / 00		F 04 C	2 / 00
	B 64 C	11 / 00	211	F 04 B	19 / 00	436	F 04 B	19 / 00		F 04 C	2 / 00		F 04 C	3 / 00
	B 64 C	27 / 00	211.5-218	F 04 B	49 / 00	437	A 61 M	1 / 00	4	F 01 C	5 / 00	69-82	F 01 C	21 / 00
	F 01 D	25 / 00	219	F 04 B	1 / 06		F 04 B			F 01 D	23 / 00		F 03 C	2 / 00
	F 03 B		220	F 04 B	49 / 00	438	F 04 B	39 / 06		F 04 C	15 / 00		F 03 C	4 / 00
	F 03 D		221	F 04 B	1 / 06	439	F 04 B	39 / 00		F 04 C	29 / 00		F 04 C	15 / 00
	F 04 D	29 / 70	222.1-222.2	F 04 B	1 / 26		F 04 B	53 / 00	5-13	F 01 C	1 / 30		F 04 C	2 / 00
248	B 63 H	1 / 20	223	F 04 B	49 / 00	440-441	F 04 B	23 / 00		F 01 C	11 / 00		F 04 C	29 / 00
	B 64 C	11 / 04	225	F 04 B	17 / 00		F 04 B	41 / 00		F 03 C	2 / 00	83-102	F 01 C	21 / 04
	B 64 C	27 / 48		F 04 B	35 / 00	442	F 04 B	39 / 00		F 03 C	4 / 00		F 01 C	21 / 06
	F 01 D	5 / 30	226-227	F 04 F	7 / 02		F 04 B	53 / 00		F 04 C	11 / 00		F 03 C	2 / 00
	F 03 B	11 / 00	228	F 04 B	39 / 04	443-446	F 04 B	7 / 00		F 04 C	13 / 00		F 03 C	4 / 00
	F 03 B	3 / 12		F 04 B	39 / 06	447	F 04 B	39 / 00		F 04 C	2 / 00		F 04 C	15 / 00
	F 04 D	29 / 34	229-230	F 04 B	35 / 00									