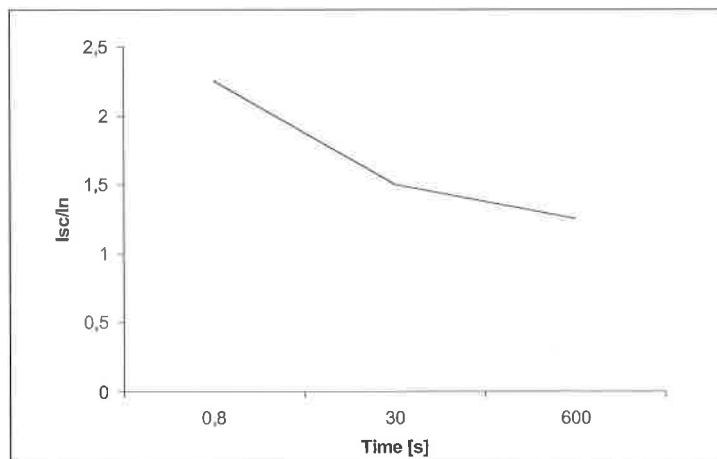
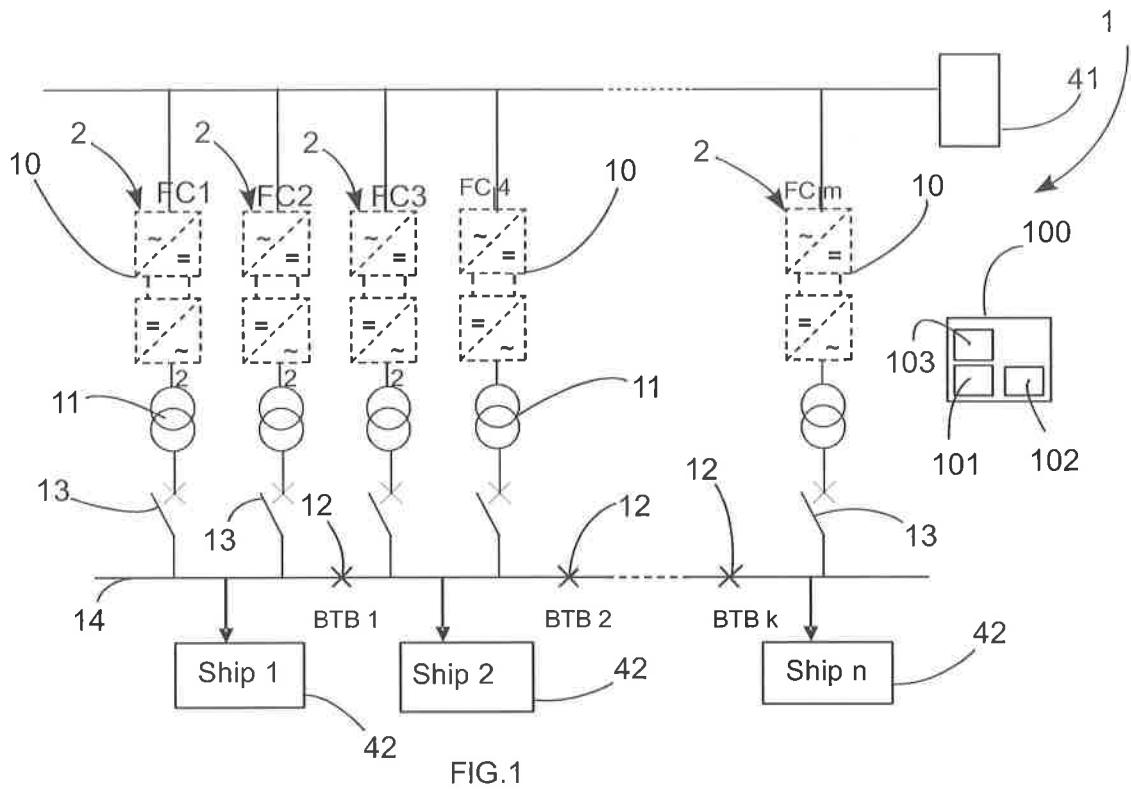




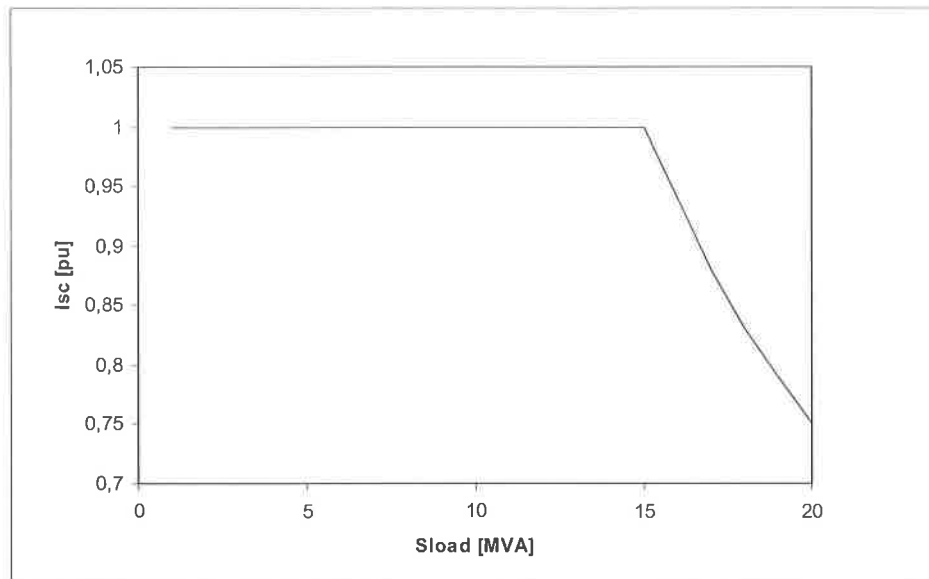


FIG.3

S_{ship} [MVA]	S_t [MVA]	N_{FC} (0,5MVA)	N_{FC} (1MVA)	N_{FC} (2MVA)	N_{FC} (3MVA)	N_{FC} (4MVA)	N_{FC} (5MVA)
1	1,3	3	2	1	1	1	1
2	2,7	6	3	2	1	1	1
3	4,0	8	4	2	2	1	1
4	5,3	11	6	3	2	2	2
5	6,7	14	7	4	3	2	2
6	8,0	16	8	4	3	2	2
7	9,3	19	10	5	4	3	2
8	10,7	22	11	6	4	3	3
9	12,0	24	12	6	4	3	3
10	13,3	27	14	7	5	4	3
11	14,7	30	15	8	5	4	3
12	16,0	32	16	8	6	4	4
13	17,3	35	18	9	6	5	4
14	18,7	38	19	10	7	5	4
15	20,0	40	20	10	7	5	4
16	20,0	40	20	10	7	5	4
17	20,0	40	20	10	7	5	4
18	20,0	40	20	10	7	5	4
19	20,0	40	20	10	7	5	4
20	20,0	40	20	10	7	5	4

FIG.4

S_{Ship} [MVA]	S_t [MVA]	FC Load [%] (0,5MVA)	FC Load [%] (1MVA)	FC Load [%] (2MVA)	FC Load [%] (3MVA)	FC Load [%] (4MVA)	FC Load [%] (5MVA)
1	1,3	89	67	67	44	33	27
2	2,7	89	89	67	89	67	53
3	4,0	100	100	100	67	100	80
4	5,3	97	89	89	89	67	53
5	6,7	95	95	83	74	83	67
6	8,0	100	100	100	89	100	80
7	9,3	98	93	93	78	78	93
8	10,7	97	97	89	89	89	71
9	12,0	100	100	100	100	100	80
10	13,3	99	95	95	89	83	89
11	14,7	98	98	92	98	92	98
12	16,0	100	100	100	89	100	80
13	17,3	99	96	96	96	87	87
14	18,7	98	98	93	89	93	93
15	20,0	100	100	100	95	100	100
16	20,0	100	100	100	95	100	100
17	20,0	100	100	100	95	100	100
18	20,0	100	100	100	95	100	100
19	20,0	100	100	100	95	100	100
20	20,0	100	100	100	95	100	100

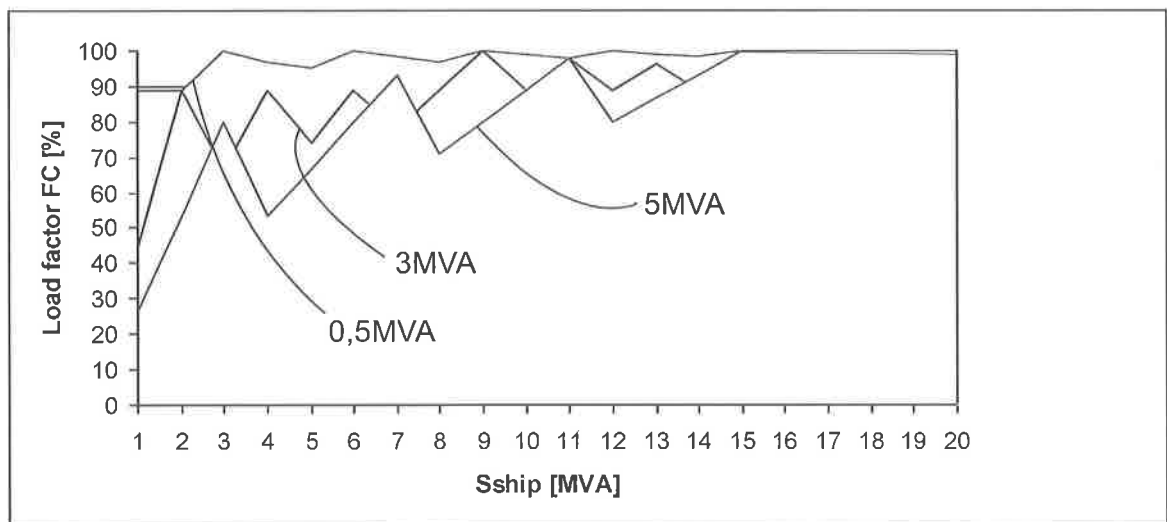


FIG.5

	Ship 2 [MVA]																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
S h i p 1	1	2,0	3,0	4,0	5,3	6,7	8,0	9,3	10,7	12,0	13,3	14,7	16,0	17,3	18,7	20,0	20,0	20,0	20,0
	2	3,0	4,0	5,0	6,0	7,0	8,0	9,3	10,7	12,0	13,3	14,7	16,0	17,3	18,7	20,0	20,0	20,0	20,0
	3	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,3	14,7	16,0	17,3	18,7	20,0	20,0	20,0	
	4	5,3	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,3	18,7	20,0	20,0		
	5	6,7	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0			
	6	8,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0				
	7	9,3	9,3	10,0	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0					
	8	10,7	10,7	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0						
	9	12,0	12,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0							
	10	13,3	13,3	13,3	14,0	15,0	16,0	17,0	18,0	19,0	20,0								
	11	14,7	14,7	14,7	15,0	16,0	17,0	18,0	19,0	20,0									
	12	16,0	16,0	16,0	16,0	17,0	18,0	19,0	20,0										
	13	17,3	17,3	17,3	17,3	18,0	19,0	20,0											
	14	18,7	18,7	18,7	18,7	19,0	20,0												
	15	20,0	20,0	20,0	20,0	20,0													
	16	20,0	20,0	20,0	20,0														
	17	20,0	20,0	20,0															
	18	20,0	20,0																
	19	20,0																	



$$S_i = \max \left[\sum_{t=1}^{N_{shr}} S_{shipi}, \min \left[S_n, \frac{m}{k} \cdot \max [S_{shipi}] \right] \right]$$

FIG 6A

FIG.6A

$$S_i = \max \left[\sum_{t=1}^{N_{shp}} S_{shipi}, \min \left[S_n, \frac{m}{k} \cdot \max[S_{shipi}] \right] \right]$$

		Ship 2 [MVA]																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
S h i p 1	1	4,0	6,0	8,0	11,0	14,0	16,0	19,0	22,0	24,0	27,0	30,0	32,0	35,0	38,0	40,0	40,0	40,0	40,0	40,0
	2	6,0	8,0	10,0	12,0	14,0	16,0	19,0	22,0	24,0	27,0	30,0	32,0	35,0	38,0	40,0	40,0	40,0	40,0	40,0
	3	8,0	10,0	12,0	14,0	16,0	18,0	20,0	22,0	24,0	27,0	30,0	32,0	35,0	38,0	40,0	40,0	40,0		
	4	11,0	12,0	14,0	16,0	18,0	20,0	22,0	24,0	26,0	28,0	30,0	32,0	35,0	38,0	40,0	40,0			
	5	14,0	14,0	16,0	18,0	20,0	22,0	24,0	26,0	28,0	30,0	32,0	34,0	36,0	38,0	40,0				
	6	16,0	16,0	18,0	20,0	22,0	24,0	26,0	28,0	30,0	32,0	34,0	36,0	38,0	40,0					
	7	19,0	19,0	20,0	22,0	24,0	26,0	28,0	30,0	32,0	34,0	36,0	38,0	40,0						
	8	22,0	22,0	22,0	24,0	26,0	28,0	30,0	32,0	34,0	36,0	38,0	40,0							
	9	24,0	24,0	24,0	26,0	28,0	30,0	32,0	34,0	36,0	38,0	40,0								
	10	27,0	27,0	27,0	28,0	30,0	32,0	34,0	36,0	38,0	40,0									
	11	30,0	30,0	30,0	30,0	32,0	34,0	36,0	38,0	40,0										
	12	32,0	32,0	32,0	32,0	34,0	36,0	38,0	40,0											
	13	35,0	35,0	35,0	35,0	36,0	38,0	40,0												
	14	38,0	38,0	38,0	38,0	38,0	40,0													
	15	40,0	40,0	40,0	40,0	40,0														
	16	40,0	40,0	40,0	40,0															
	17	40,0	40,0	40,0																
	18	40,0	40,0																	
	19	40,0																		



NFC = rounded.up (St / SFC)

$$NFC = \text{rounded.up} (St / SFC)$$

FIG.6B

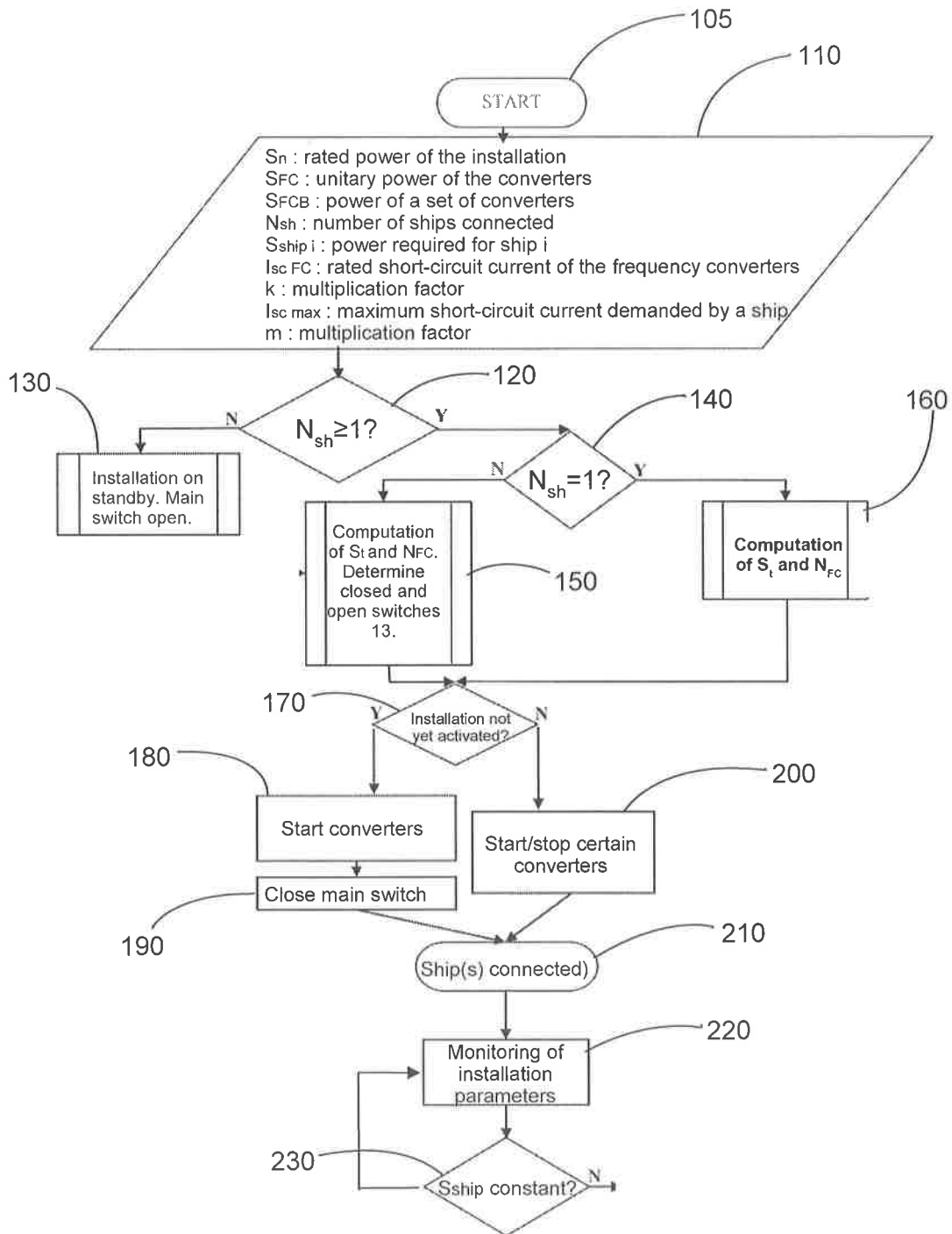


FIG.7