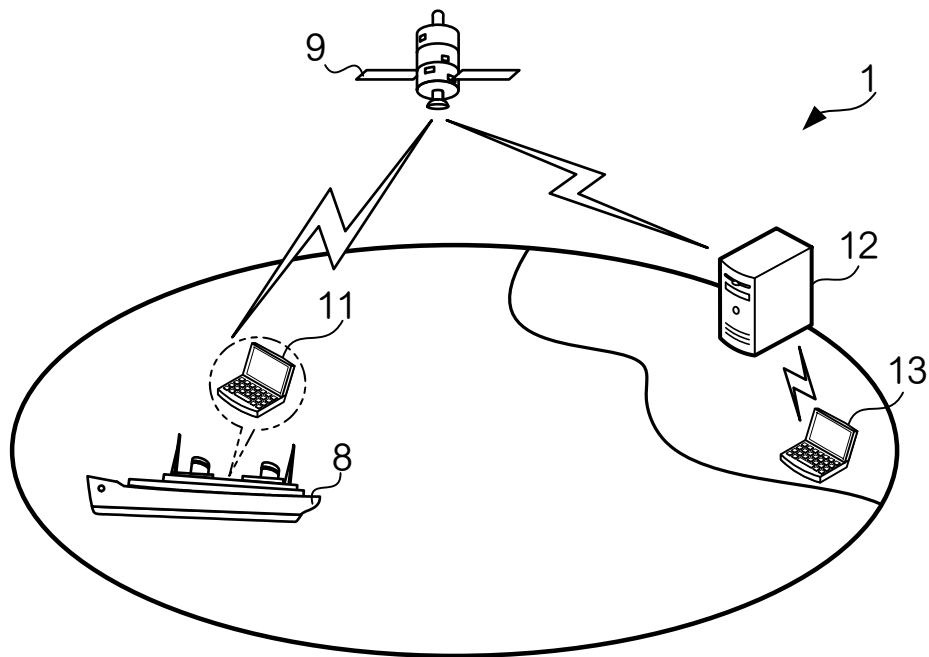
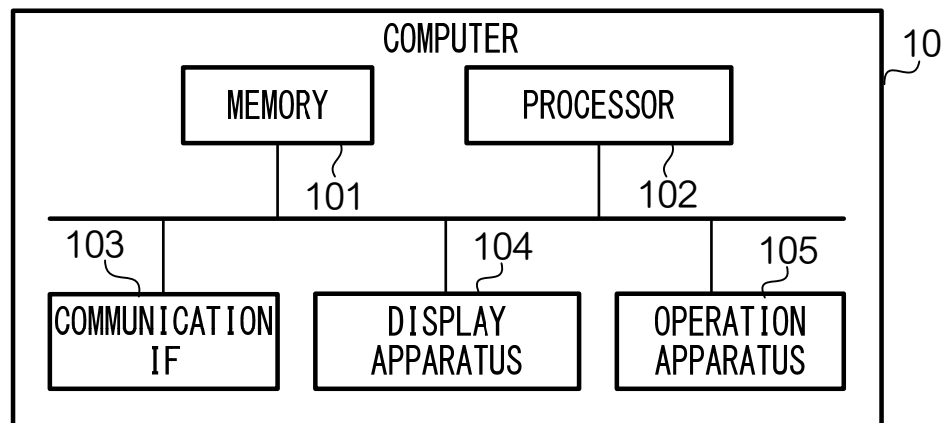


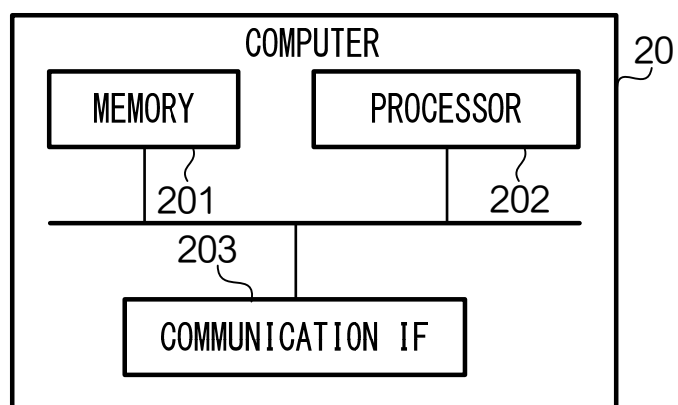
[FIG.1]



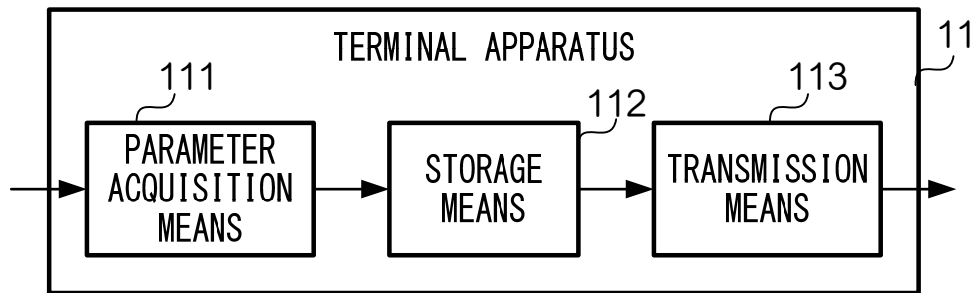
[FIG.2]



[FIG.3]



[FIG.4]



[FIG.5]

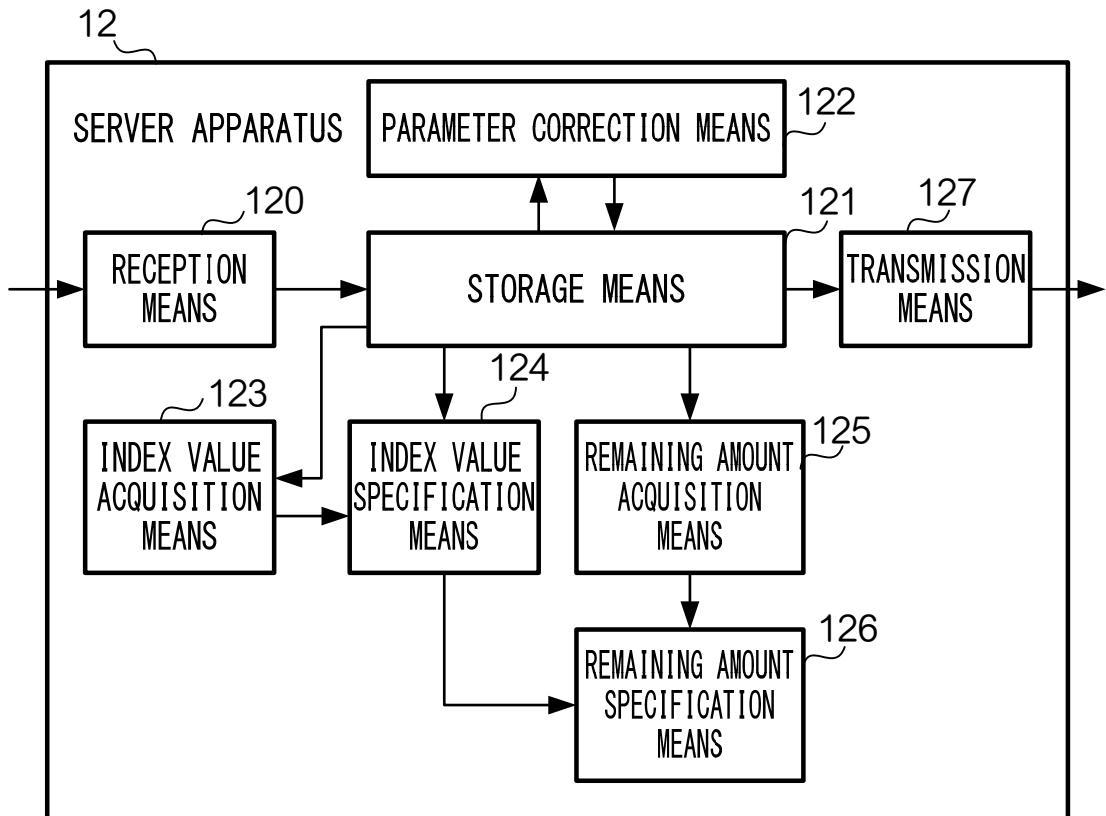
PERIOD	DEADWEIGHT (tons)	WIND SPEED (m/sec)	TIDAL SPEED (knots)	WATER TEMPERATURE (°C)
⋮	⋮	⋮	⋮	⋮
STARTING TIME: MAY 15, 2015 12:30 ENDING TIME: MAY 15, 2015 12:31	21300	2.5	0.5	12
STARTING TIME: MAY 15, 2015 12:31 ENDING TIME: MAY 15, 2015 12:32	21300	2.5	0.5	12
STARTING TIME: MAY 15, 2015 12:32 ENDING TIME: MAY 15, 2015 12:33	21300	3.0	0.5	12

➡

VESSEL SPEED (knots)	POSITION (LATITUDE, LONGITUDE)	FUEL CONSUMPTION PER UNIT TIME (tons/day)
⋮	⋮	⋮
20	(7°, 135°)	56.6
20	(7°, 135°)	56.6
20	(7°, 135°)	56.6

➡

[FIG.6]



[FIG.7]

PAINT NAME: Paint C

WATER TEMPERATURE (°C)	VESSEL SPEED (knots)	PAINT DECREASE AMOUNT PER UNIT TIME (mm/day)
10	0	LESS THAN 1 DAY: 0.035 1 DAY OR MORE, AND LESS THAN 3 DAYS: 0.031 3 DAYS OR MORE, AND LESS THAN 5 DAYS: 0.012 5 DAYS OR MORE, AND LESS THAN 10 DAYS: 0.007 10 DAYS OR MORE: 0.005
10	1	0.037
10	2	0.038
⋮	⋮	⋮

[FIG.8]

PAINT NAME: Paint C

BODY OF WATER	ATTACHMENT STRENGTH
AREA A	0.2
AREA B	5.3
⋮	⋮

[FIG.9]

PAINT NAME: Paint C

VESSEL SPEED (knots)	PAINT DECREASE AMOUNT PER UNIT TIME (mm/day)	INDEX VALUE FOR REFERENCE RESISTANCE INCREASE AMOUNT PER UNIT TIME
5	0.035	0.0018
5	0.036	0.0016
⋮	⋮	⋮

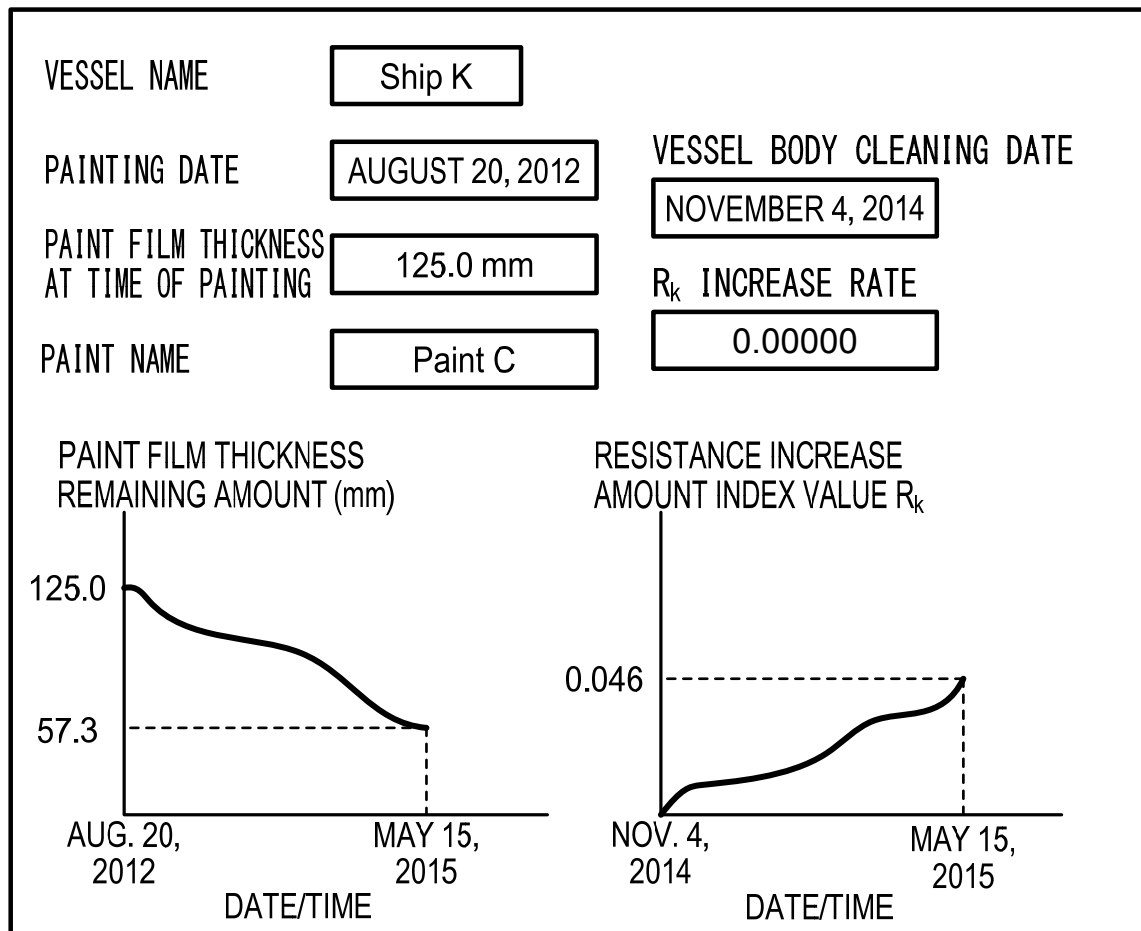
[FIG.10]

VESSEL NAME: SHIP K

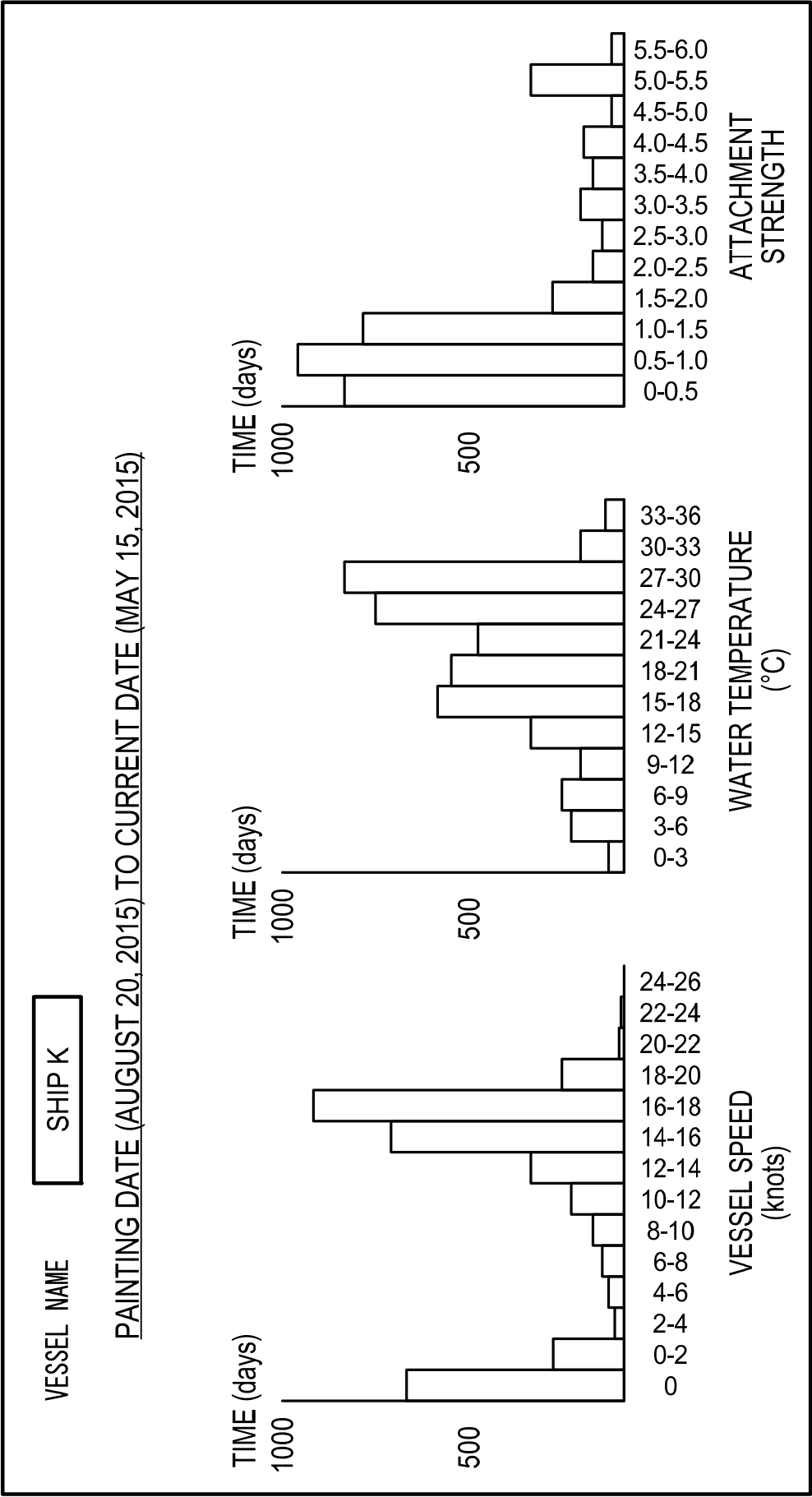
PERIOD	DEADWEIGHT (tons)	WIND SPEED (m/sec)	TIDAL SPEED (knots)	WATER TEMPERATURE (°C)	VESSEL SPEED (knots)	POSITION (LATITUDE, LONGITUDE)	FUEL CONSUMPTION PER UNIT TIME (tons/day)
:	:	:	:	:	:	:	:
STARTING TIME: MAY 15, 2015 11:56 ENDING TIME: MAY 15, 2015 12:15	21300	3.0	0.5	13	20	(7°, 136°)	60.3
STARTING TIME: MAY 15, 2015 12:15 ENDING TIME: MAY 15, 2015 12:32	21300	2.5	0.5	12	20	(7°, 135°)	56.6

BODY OF WATER	CORRECTED VESSEL SPEED (knot)	INTRA-PERIOD PAINT DECREASE AMOUNT (mm)	CUMULATIVE PAINT DECREASE AMOUNT (mm)	PAINT REMAINING AMOUNT (mm)	INTRA-PERIOD R _k INCREASE AMOUNT	ESTIMATED R _k	ACTUAL R _k
:	:	:	:	:	:	:	:
AREA X	20.7	0.00073	67.68987	57.31013	0.00000	0.04578	0.04593
AREA X	20.3	0.00077	67.69064	57.30936	0.00000	0.04578	0.04584

[FIG.11]



[FIG.12]



[FIG.13]

