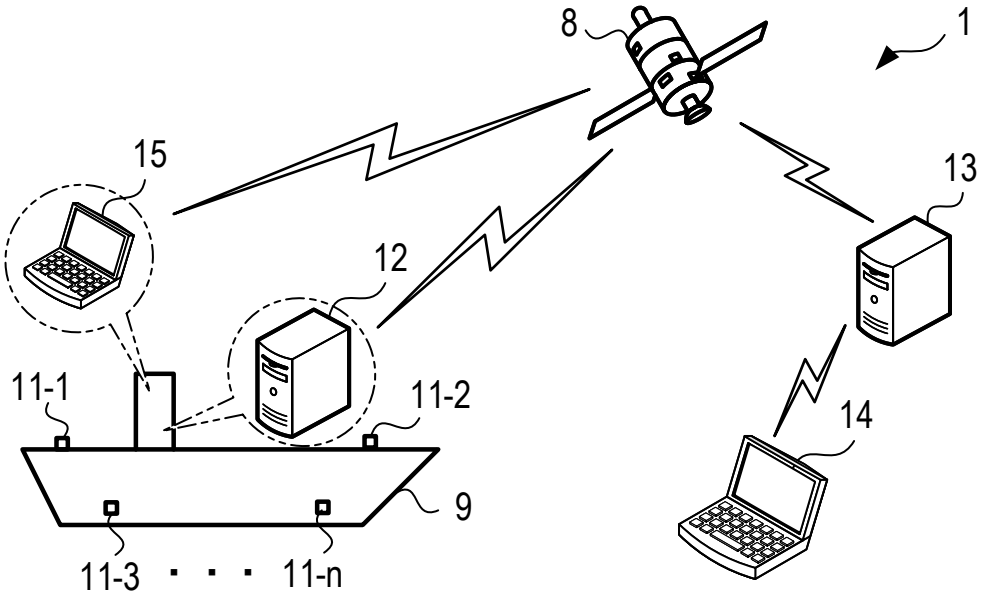
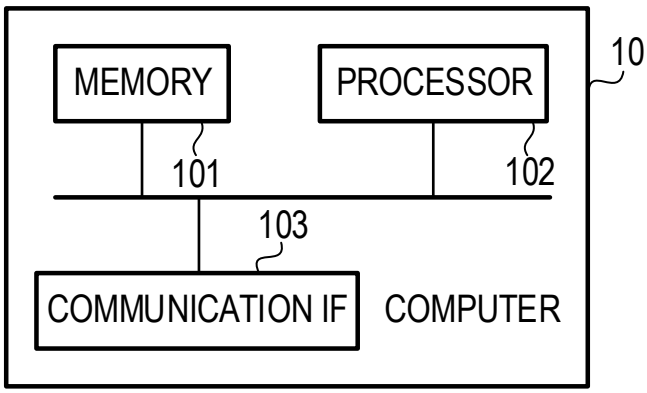
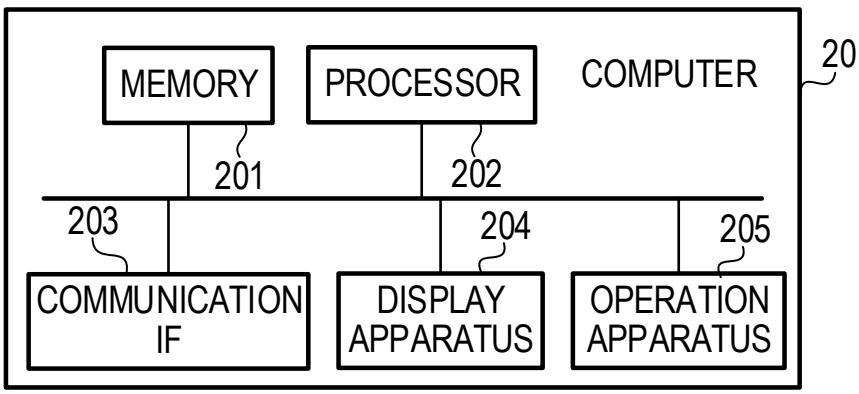
[FIG. 1]



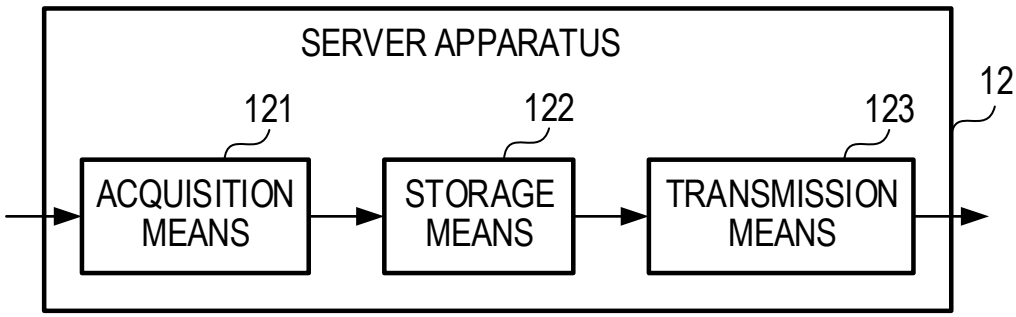
[FIG. 2]



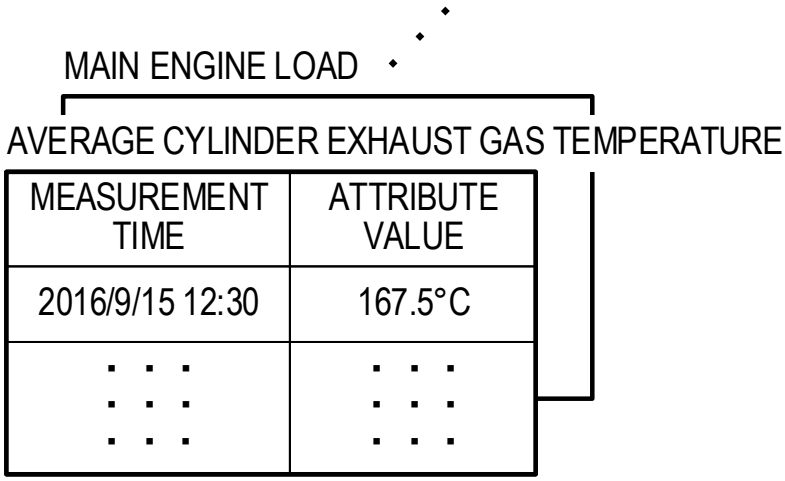
[FIG. 3]



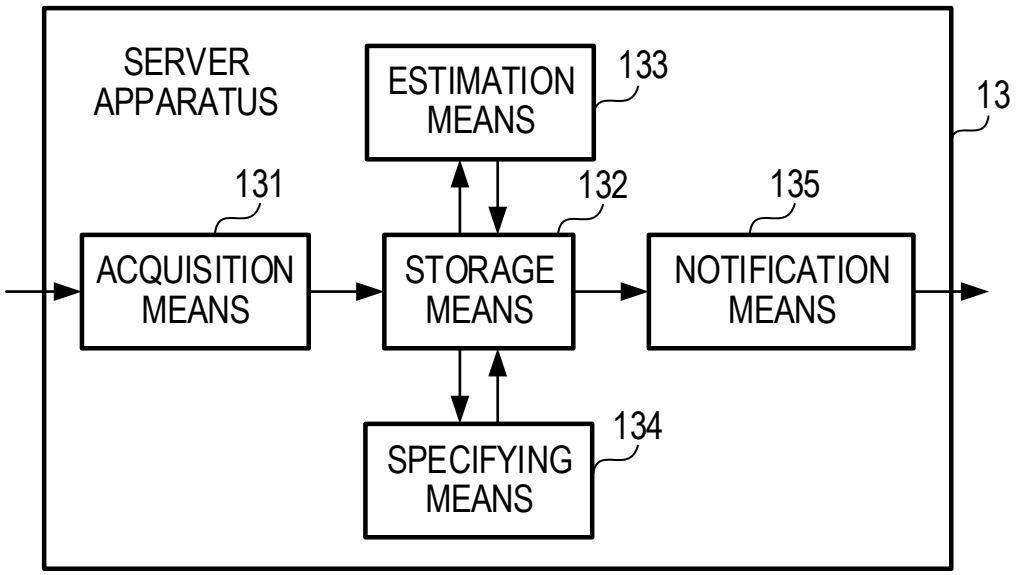
[FIG. 4]



[FIG. 5]



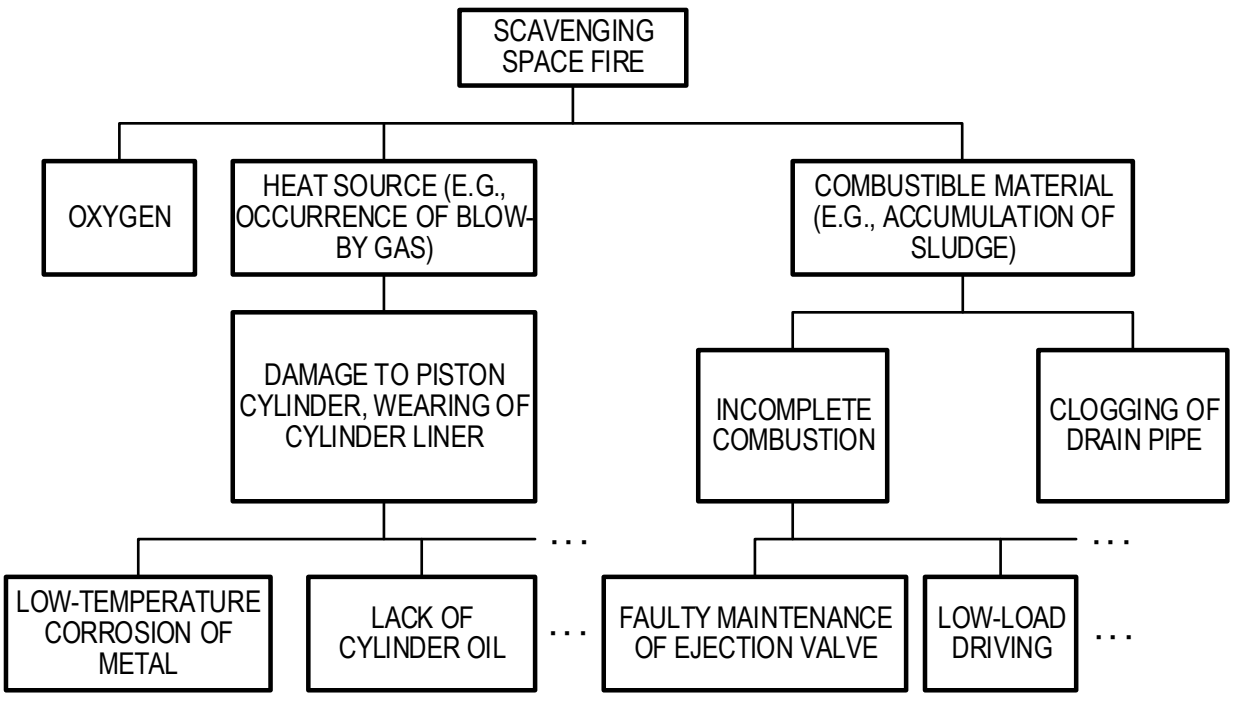
[FIG. 6]



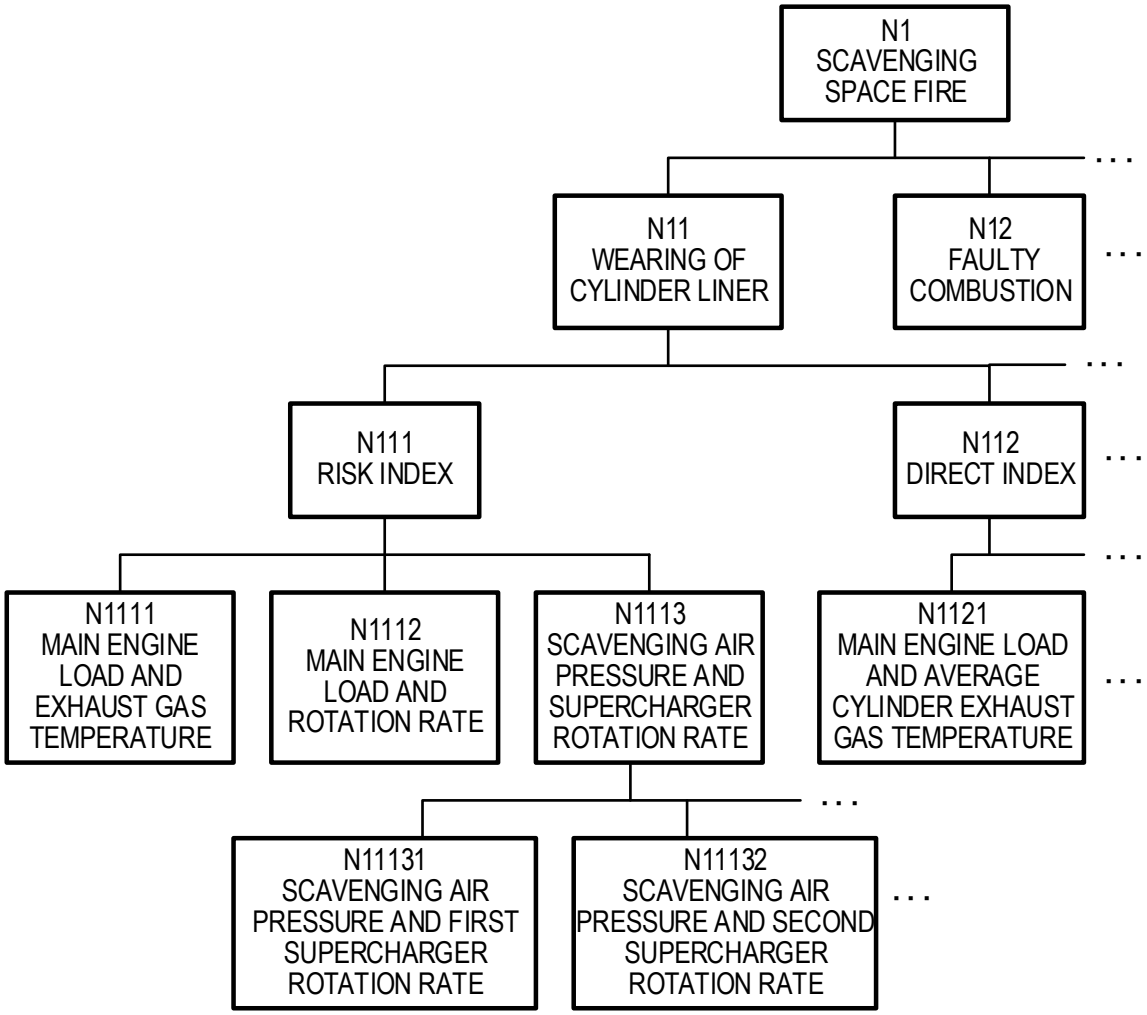
[FIG. 7]

NODE ID	NODE NAME	PARENT NODE	CHILD NODE	RISK INDEX SPECIFYING RULE	WEIGHT	MAXIMUM VALUE
N1	SCAVENGING SPACE FIRE	—	N11 N12 N13	WEIGHTED AVERAGE	—	—
N11	WEARING OF CYLINDER LINER	N1	N111 N112	IF R(N112)>700 THEN R(N11)=R(N112) ELSE WEIGHTED AVERAGE	30	1000
⋮	⋮	⋮	⋮	⋮	⋮	⋮
N1121	MAIN ENGINE LOAD AND AVERAGE CYLINDER EXHAUST GAS TEMPERATURE	N112	—	GRAPH G035 R(N1121)=D×#	70	1200
⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮

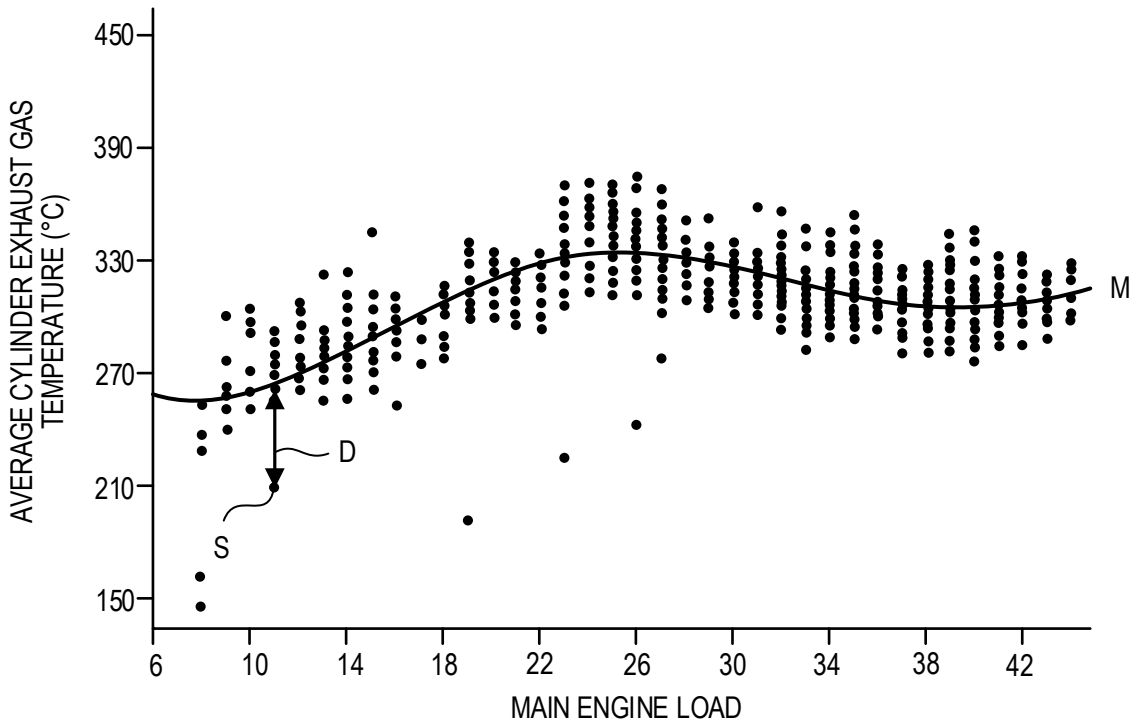
[FIG. 8]



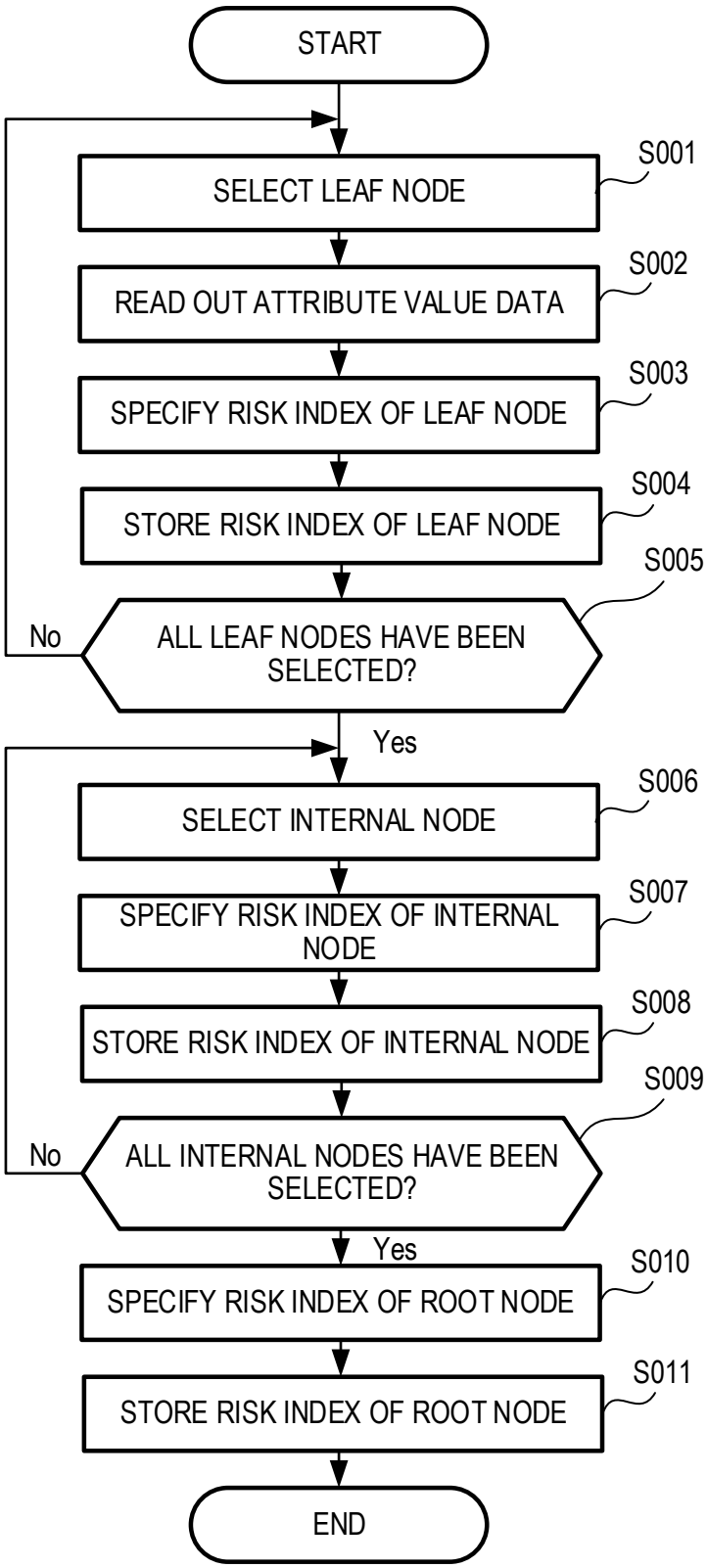
[FIG. 9]


N1
SCAVENGING
SPACE FIRE
N11
WEARING OF
CYLINDER LINER
N12
FAULTY
COMBUSTION
N111
RISK INDEX
N112
DIRECT INDEX
N1111
MAIN ENGINE
LOAD AND
EXHAUST GAS
TEMPERATURE
N1112
MAIN ENGINE
LOAD AND
ROTATION RATE
N1113
SCAVENGING AIR
PRESSURE AND
SUPERCHARGER
ROTATION RATE
N1121
MAIN ENGINE LOAD
AND AVERAGE
CYLINDER EXHAUST
GAS TEMPERATURE
N11131
SCAVENGING AIR
PRESSURE AND FIRST
SUPERCHARGER
ROTATION RATE
N11132
SCAVENGING AIR
PRESSURE AND SECOND
SUPERCHARGER
ROTATION RATE

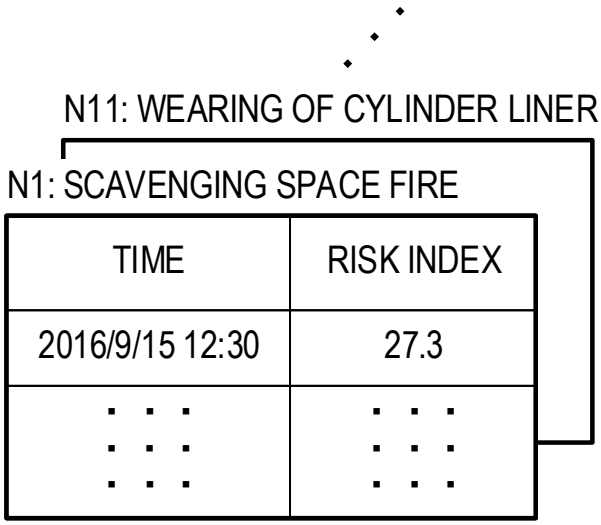
[FIG. 10]


AVERAGE CYLINDER EXHAUST GAS
TEMPERATURE (°C)
450
390
330
270
210
150
6
10
14
18
22
26
30
34
38
42
MAIN ENGINE LOAD
M
D
S

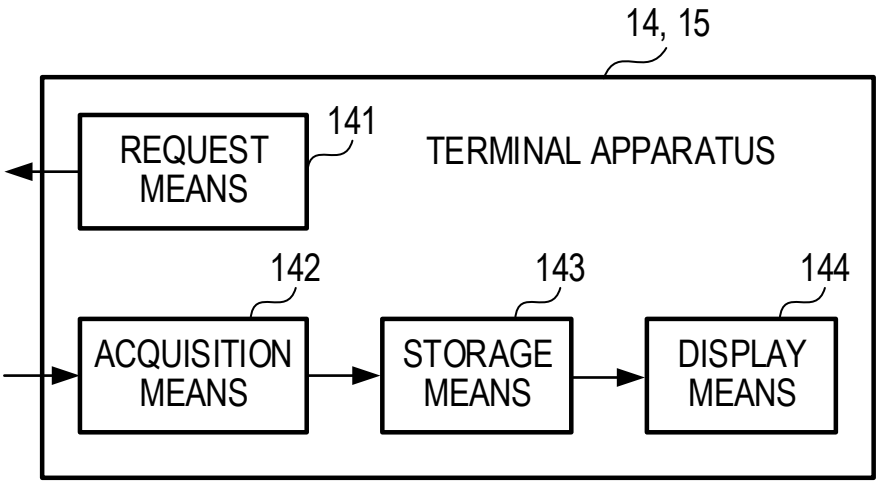
[FIG. 11]


START
S001
SELECT LEAF NODE
S002
READ OUT ATTRIBUTE VALUE DATA
S003
SPECIFY RISK INDEX OF LEAF NODE
S004
STORE RISK INDEX OF LEAF NODE
S005
No
ALL LEAF NODES HAVE BEEN SELECTED?
Yes
S006
SELECT INTERNAL NODE
S007
SPECIFY RISK INDEX OF INTERNAL NODE
S008
STORE RISK INDEX OF INTERNAL NODE
S009
No
ALL INTERNAL NODES HAVE BEEN SELECTED?
Yes
S010
SPECIFY RISK INDEX OF ROOT NODE
S011
STORE RISK INDEX OF ROOT NODE
END

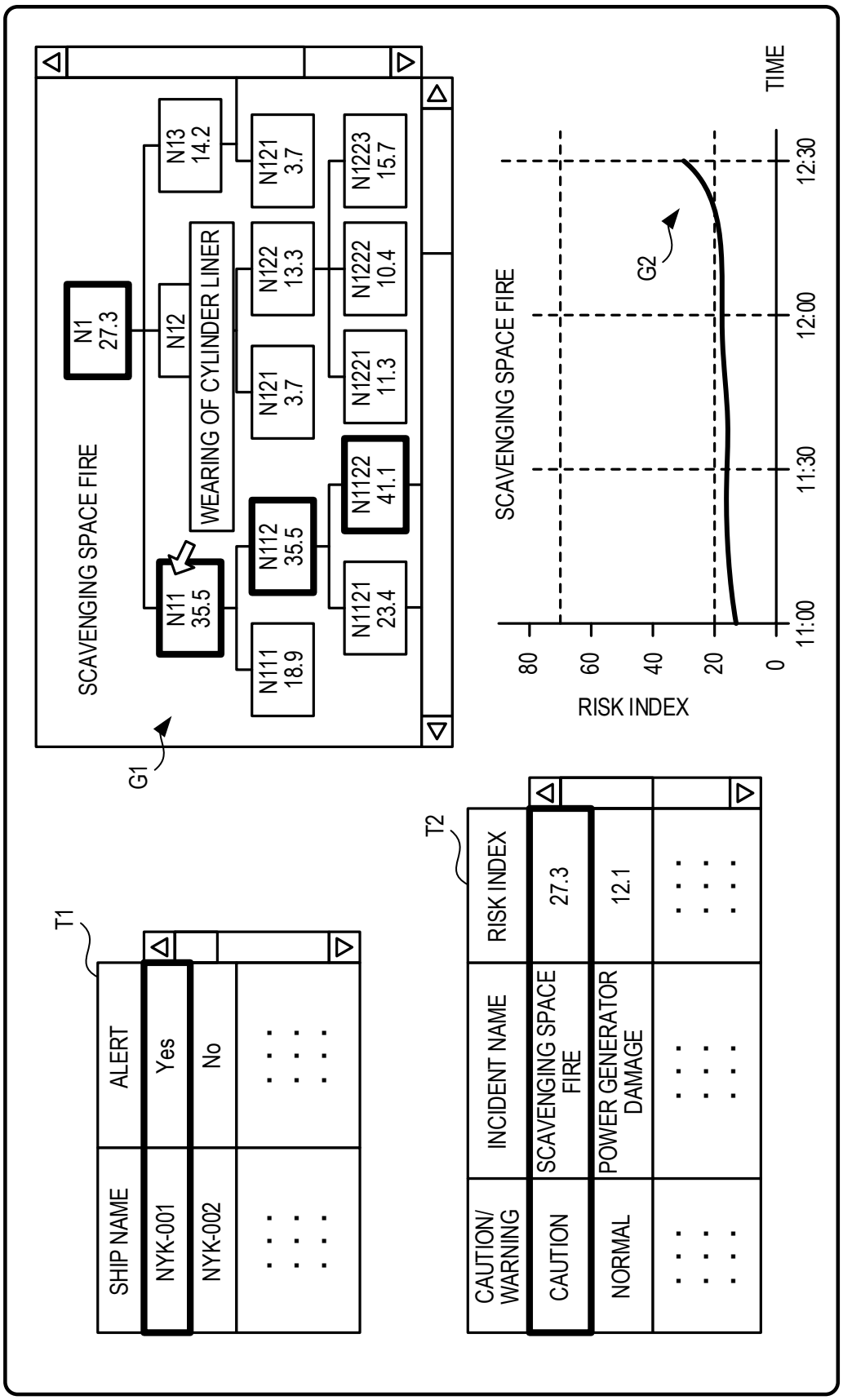
[FIG. 12]


N11: WEARING OF CYLINDER LINER
N1: SCAVENGING SPACE FIRE
TIME
RISK INDEX
2016/9/15 12:30
27.3

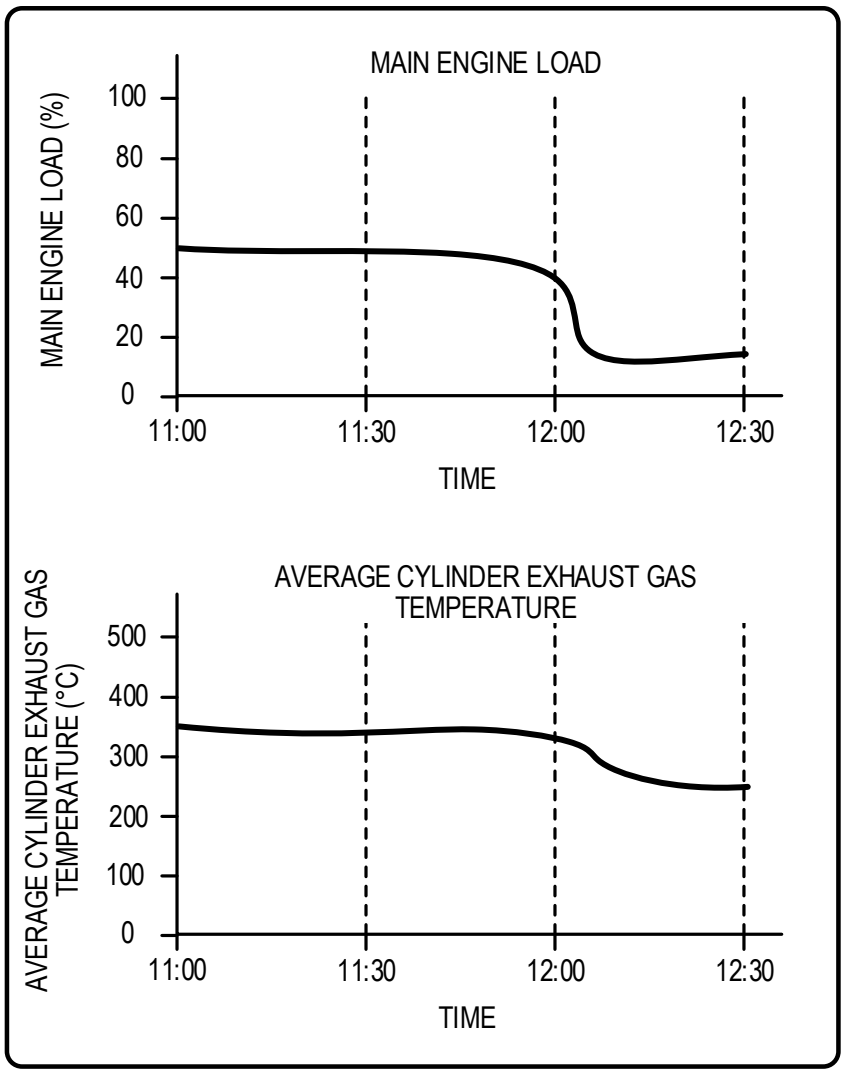
[FIG. 13]


14, 15
141
REQUEST MEANS
TERMINAL APPARATUS
142
143
144
ACQUISITION MEANS
STORAGE MEANS
DISPLAY MEANS

[FIG. 14]


SCAVENGING SPACE FIRE
N1 27.3
N12
WEARING OF CYLINDER LINER
N13 14.2
N121 3.7
N122 13.3
N1223 15.7
N1222 10.4
N1221 11.3
N121 3.7
N11 35.5
N112 35.5
N1122 41.1
N1121 23.4
N111 18.9
G1
SCAVENGING SPACE FIRE
TIME
G2
80
60
40
20
0
RISK INDEX
11:00
11:30
12:00
12:30
T1
SHIP NAME
ALERT
NYK-001
Yes
NYK-002
No
T2
CAUTION/ WARNING
INCIDENT NAME
RISK INDEX
CAUTION
SCAVENGING SPACE FIRE
27.3
NORMAL
POWER GENERATOR DAMAGE
12.1

[FIG. 15]


MAIN ENGINE LOAD
MAIN ENGINE LOAD (%)
100
80
60
40
20
0
11:00
11:30
12:00
12:30
TIME
AVERAGE CYLINDER EXHAUST GAS TEMPERATURE
AVERAGE CYLINDER EXHAUST GAS TEMPERATURE (°C)
500
400
300
200
100
0
11:00
11:30
12:00
12:30
TIME