Fig. 1

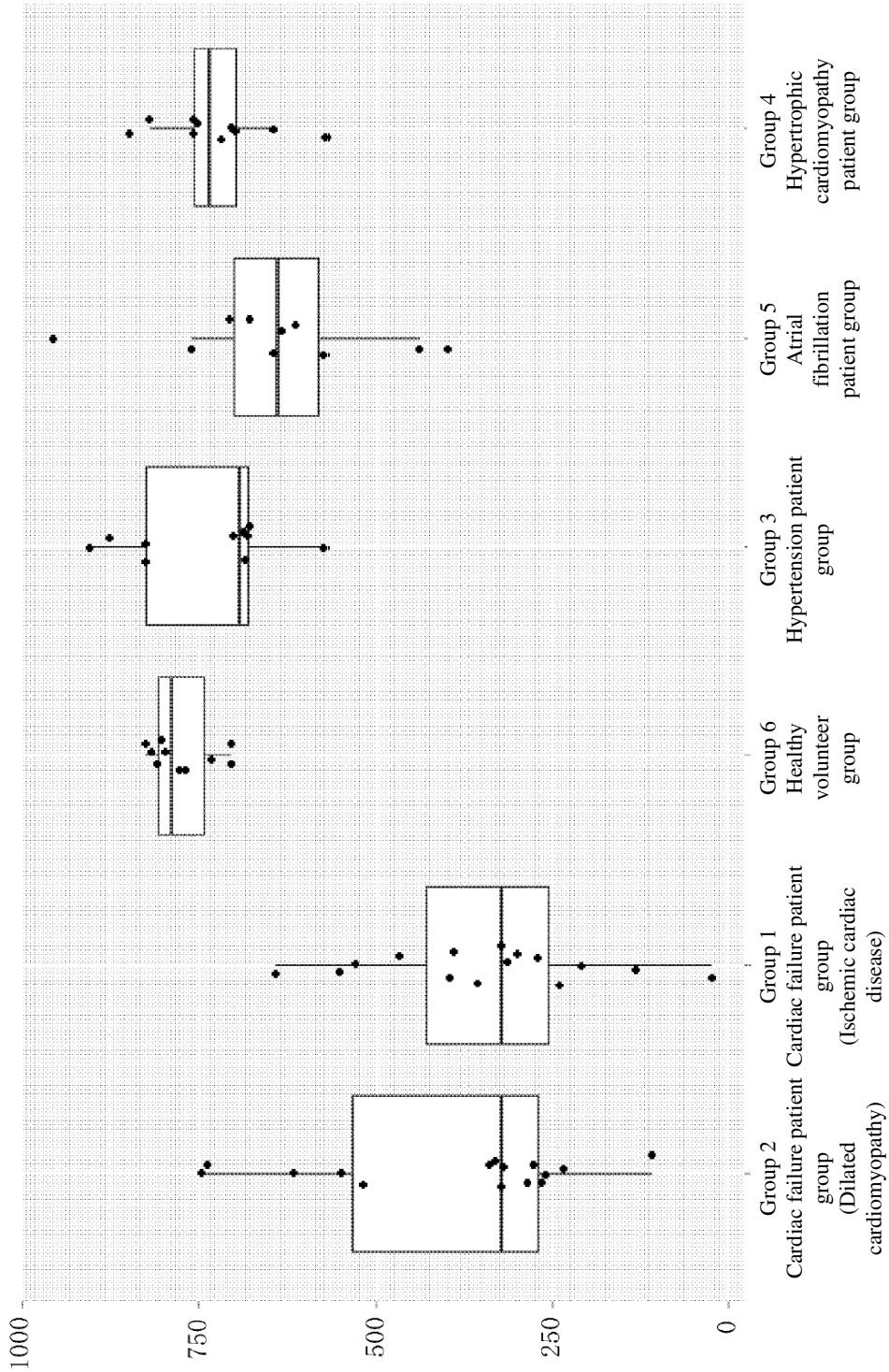

1000
750
500
250
0
Measured value of CKAP4 (pg/ml)
Group 2 Cardiac failure patient group (Dilated cardiomyopathy)
Group 1 Cardiac failure patient group (Ischemic cardiac disease)
Group 6 Healthy volunteer group
Group 3 Hypertension patient group
Group 5 Atrial fibrillation patient group
Group 4 Hypertrophic cardiomyopathy patient group

Fig. 2

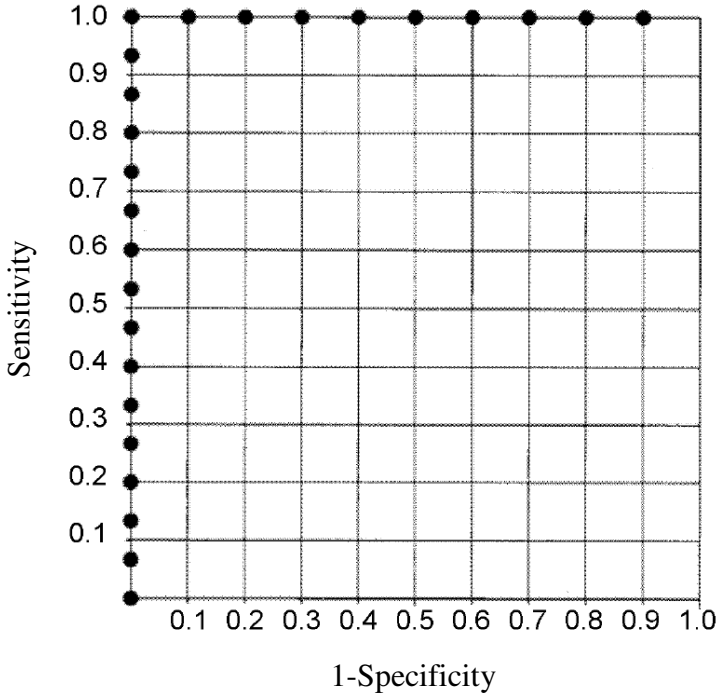

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Sensitivity
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
1-Specificity

Fig. 3

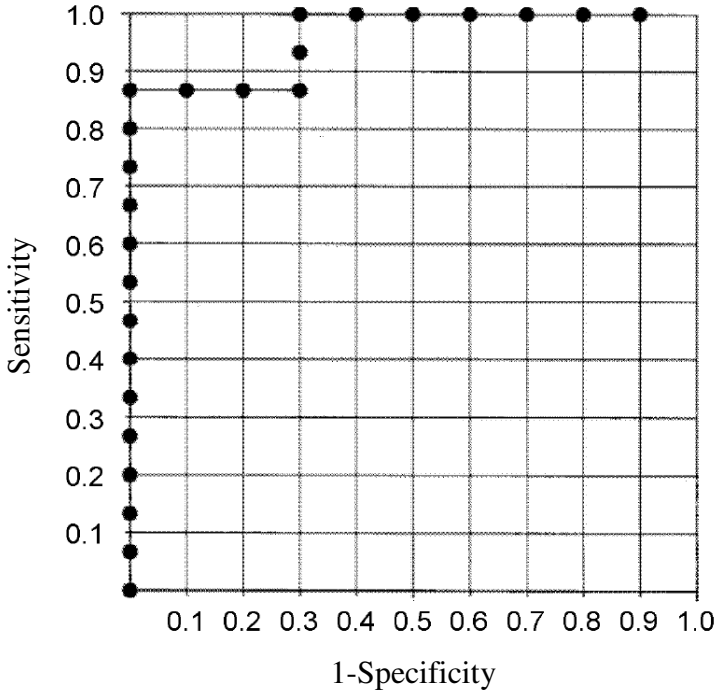

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0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Sensitivity
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
1-Specificity

Fig. 4

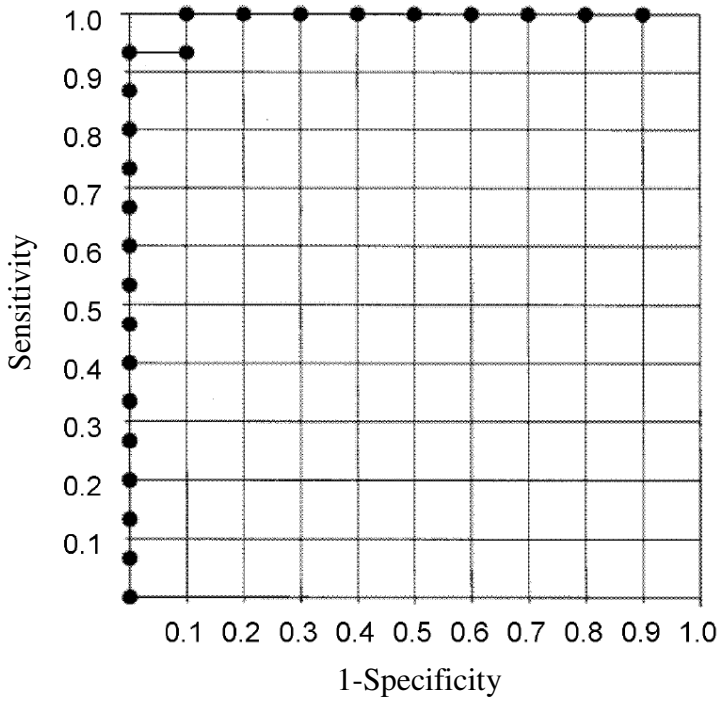

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0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Sensitivity
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1-Specificity

Fig. 5

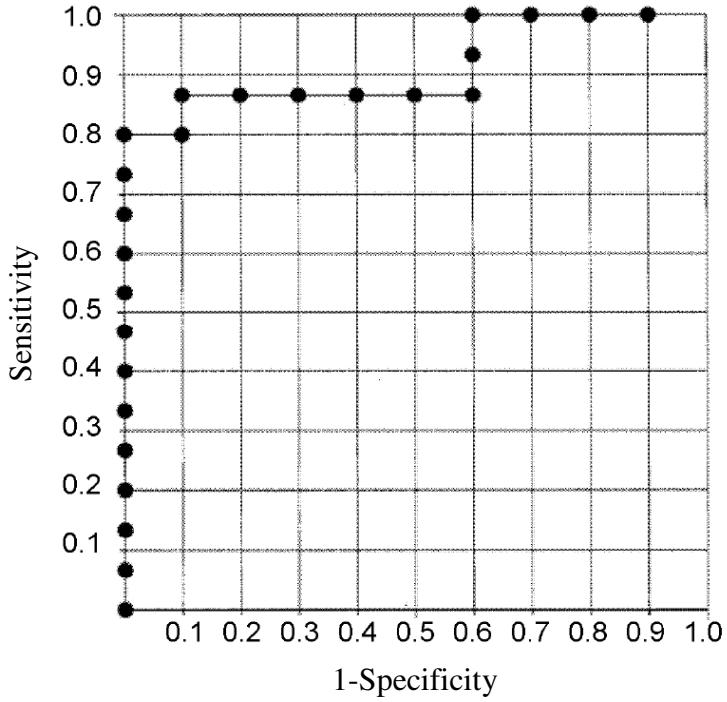

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0.7
0.6
0.5
0.4
0.3
0.2
0.1
Sensitivity
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1-Specificity

Fig. 6

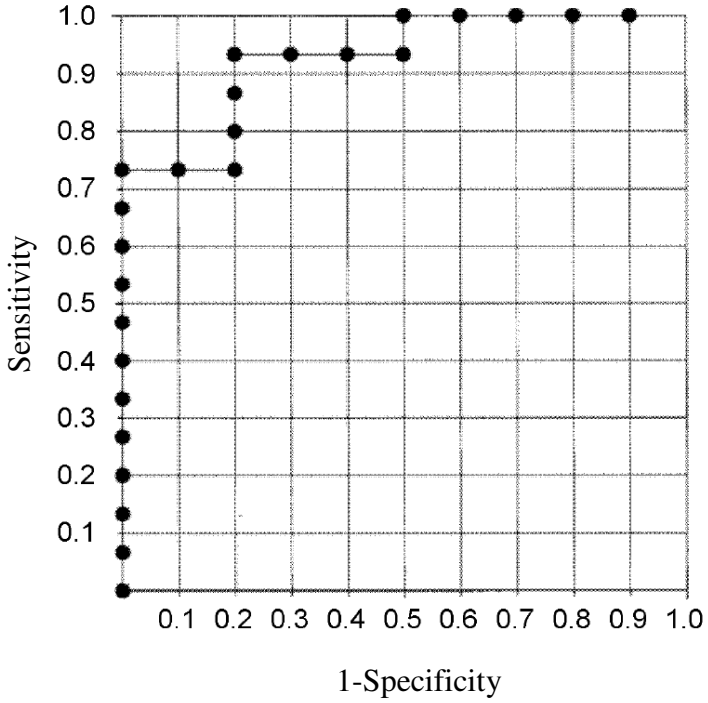

Sensitivity
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0.8
0.7
0.6
0.5
0.4
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0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
1-Specificity

Fig. 7

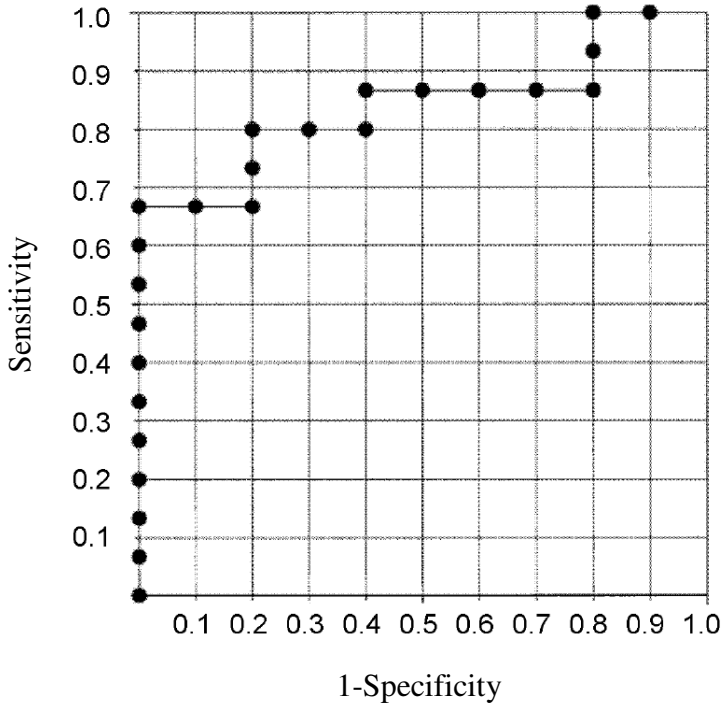

Sensitivity
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0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
1-Specificity

Fig. 8

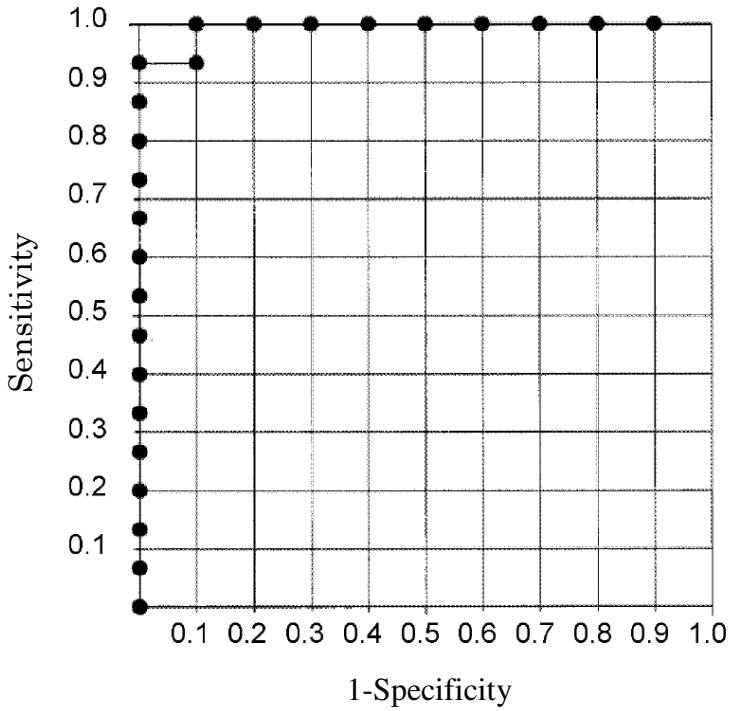

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0.7
0.6
0.5
0.4
0.3
0.2
0.1
Sensitivity
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
1-Specificity

Fig. 9

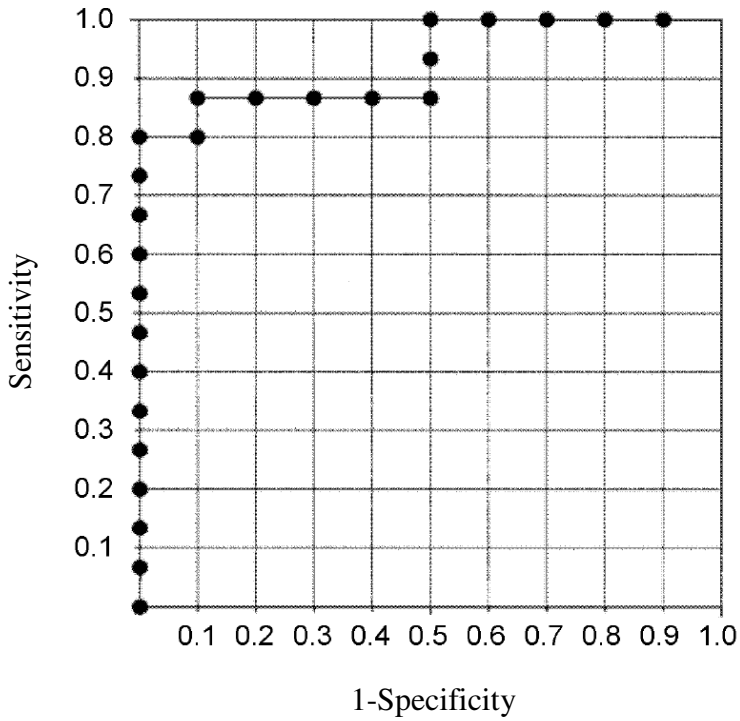

1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
Sensitivity
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
1-Specificity

Fig. 10

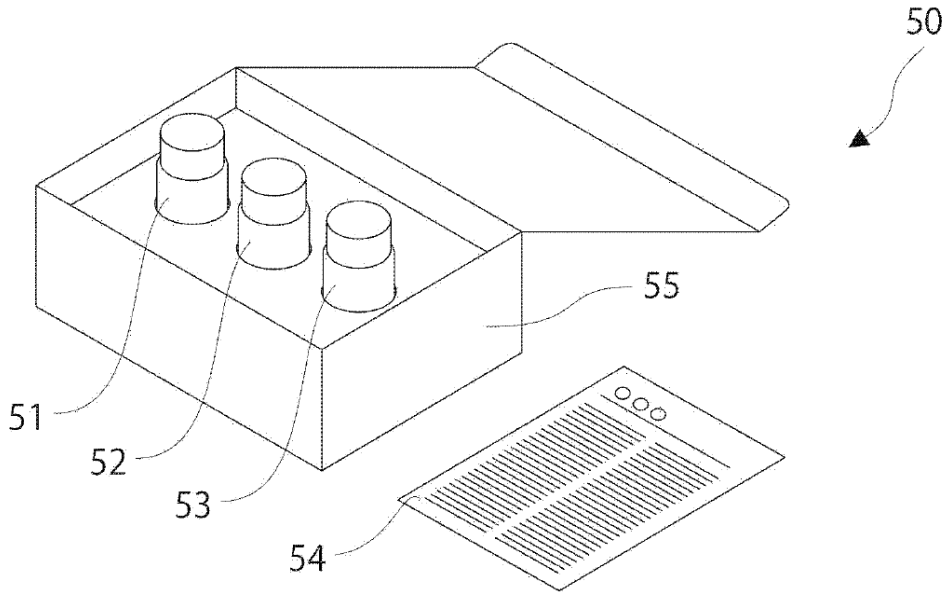



Fig. 11

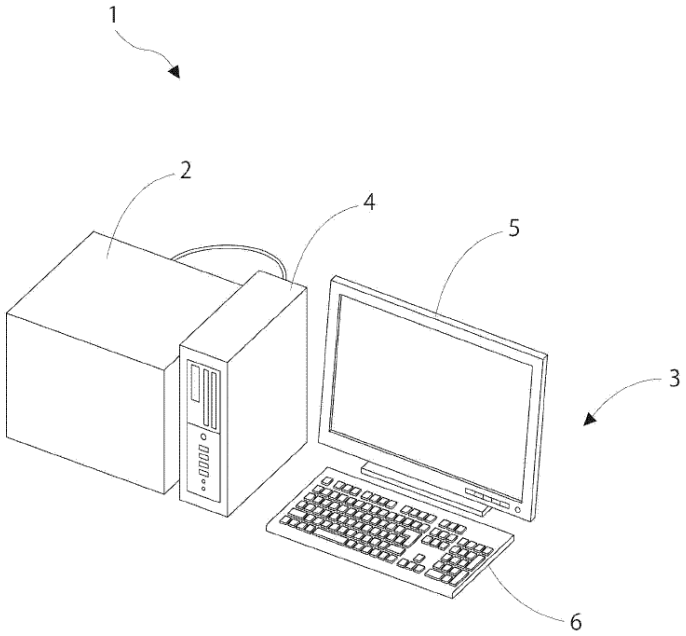


Fig. 12

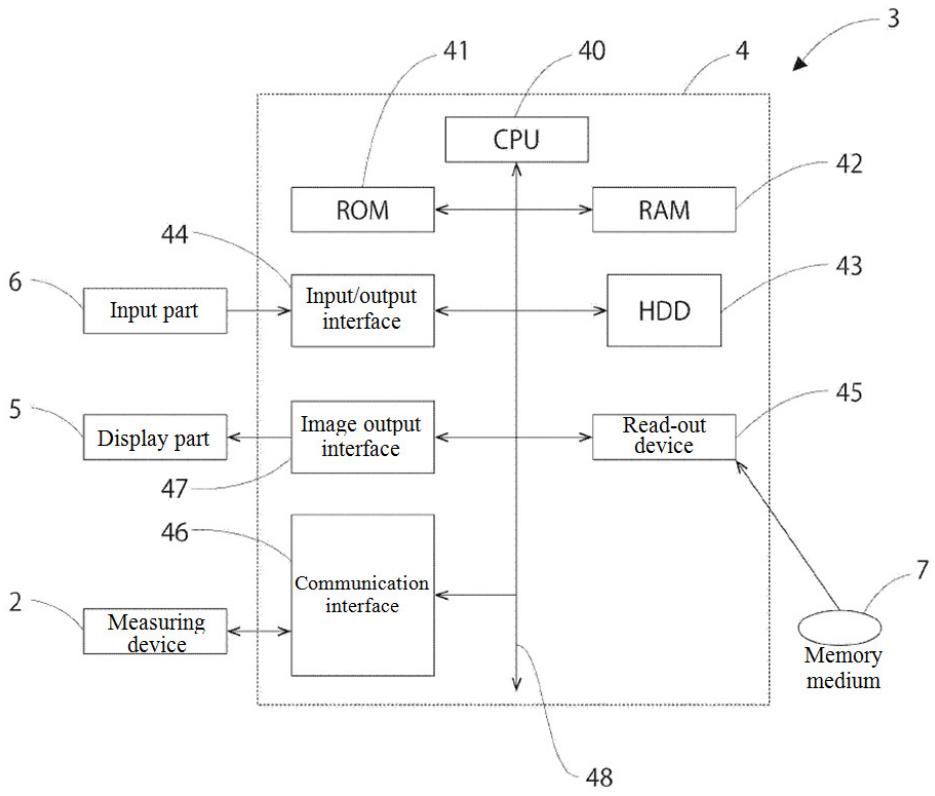
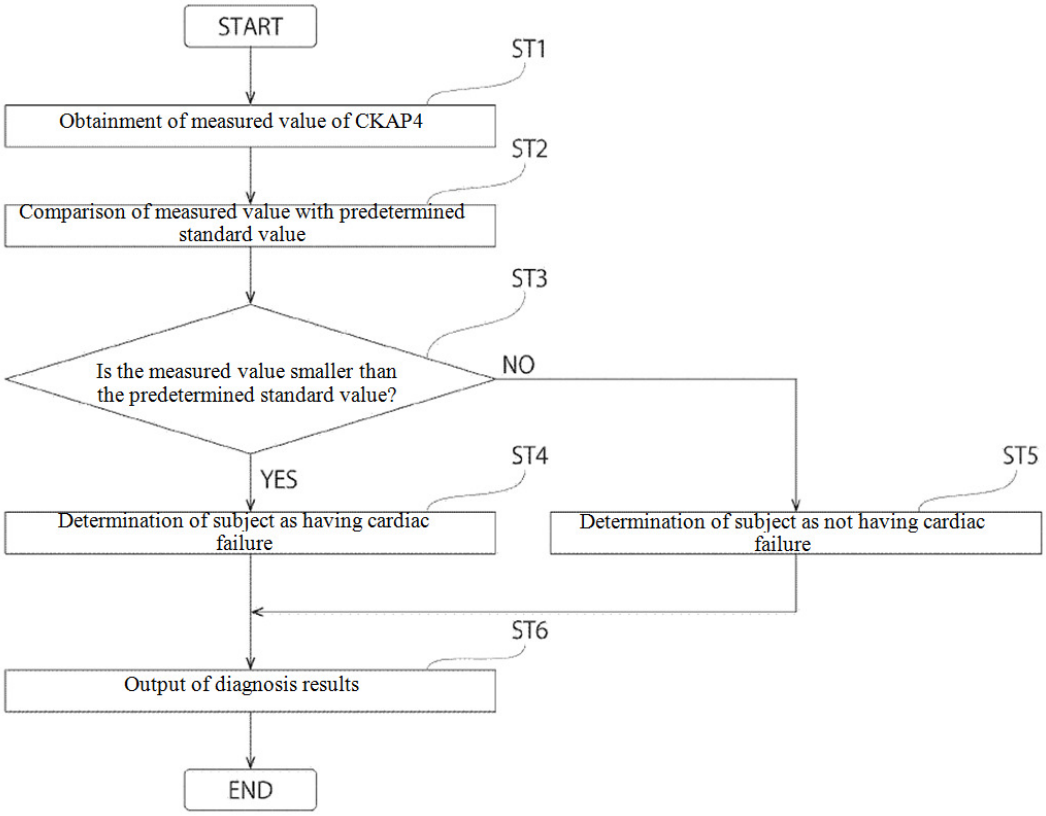

3
41
40
4
CPU
42
ROM
RAM
44
6
Input part
Input/output interface
43
HDD
5
Display part
Image output interface
45
Read-out device
47
46
Communication interface
7
2
Measuring device
Memory medium
48

Fig. 13


START
ST1
Obtainment of measured value of CKAP4
ST2
Comparison of measured value with predetermined standard value
ST3
Is the measured value smaller than the predetermined standard value?
NO
YES
ST4
Determination of subject as having cardiac failure
ST5
Determination of subject as not having cardiac failure
ST6
Output of diagnosis results
END