

(19)
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(22) 2002 02 28

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(71) 가 가 2 5 5

(72) 가 2 5 5 가 가
가 2 5 5 가 가
2 5 5 가 가
2 5 5 가 가
2 5 5 가 가

(74)

:

(54)

(61) (6) (5),
, 가 가

1

, , , ,

1

2

3

4

5

6

7 (stiffness)

8

9

10

11 (a) (b) (regression)

12

13

14 GSR

15

16 GSR

17

18 GSR

< >

2 :

2

가 , GSR
GSR
가 ,

, 15 38 0V 5V
0.22V/ . GSR , K
K 가 ,
, 0 1000 K
50K 가 , 2000K
(, 1/7), 가

15

16

가 .
가 .
가 .

가

가

가

가

1
4) (10), (21) (11), (12), (13) (1)
(21) (10) (2) .
(7)

2 (7) (71) (70)
(70) (53)가 (51a, 51b) GSR (52) (thermistor)
(7) (51) (70) (53)
R (51) 가 (52), GSR (51) (51b) 가 , GS
(51a)

3 (7) (71) , , 가 ,
, 9 ,

4 GSR (51), (52) (53)
(5) (6) (6) (71)
(2) (6) (61) (6)

5 (5) , GSR, ()
ivity) , GSR, (act)
가 , GSR
가 , GSR
가 , GSR
가

가 ") , 가 가 (")

7 (6) (S21) (S22) (S23) (S24) (S25) 가 " " " " (S27) (S27) (S22)가 (S28) (threshold value) A (61) (S29) 가 (71)

8 (S1) (S2) (S3)가 (S4) 2 (S5) (S6) 가 (S8) 2 (S7)가 가 (S9) (S10) (S11) 가 (S12)가 (S13) (S4, S9, S13) 6 GSR (G), (T) (H) (S14)가 6 5 8 (S15) (S4, S9, S13, S15) (S16) 가 (61)

가 , (7)
 (S31) (61) 9 (S32)
 (S33) (S35) (S3)

10) 가 () 가 ()

11 (a) (b) (0 100) ()
 , 10

(2) 12 (105)
 (101) GSR (102) 가 (102)
 (101) (103) (105) GSR (102)
 GSR (131) (104) (105) GSR (103) (103)
 (132) GSR (104) GSR (141) 2 (142)

13 (103) (101)
 (131) (132)

15 (103) (131) () (A,
) (103) (132) () (B,
) 27 가
 (A, B) 4.75V

14 GSR (104) GSR (102)
 GSR (141) 2 (142)
 (141, 142) GSR GSR

16 GSR (104) GSR (141) () (C,
) (104) 2 (142) () (D,
) 725kΩ
 (C, D) 4.75V

17 (105) 가 S1 S3
 S2 가 1 S31 ()
 10 ms 15
 S32 1500
 S41 S42 S4 5
 75 V 가 S43 10 4.
 S45 S43 S44
 S31 S46

18 (105) GSR 가 S5 0.5 mV
 S6 GSR GSR S7 1
 S8 (GSR) GSR 가 S81
 GSR () 10 mS 15
 S82 1500
 S9 S91
 S92 15 가 (0.5 V)
 16 4.75 V
 S93 S95 GSR
 S94 GSR S93
 S96 S81
 GSR

15

GSR

16

GSR

가

GSR

가

가

(57)

1.

2.

1

3.

2

4.

2

가

5.

2

6.

2

7.

1

8.

7

9.

가

가

10.

9

2

11.

10

가

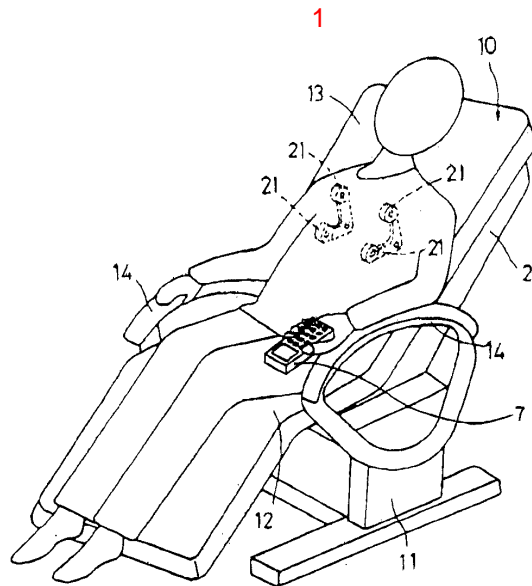
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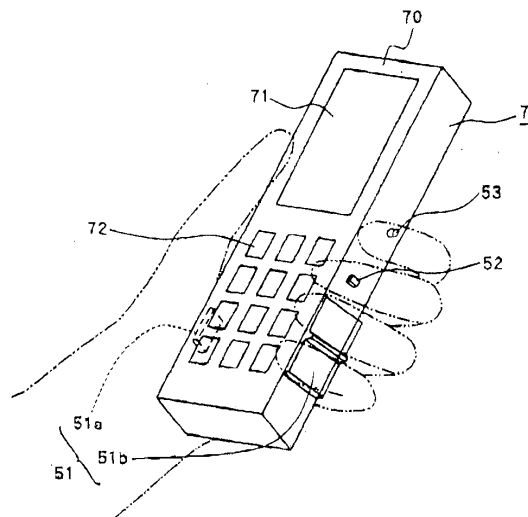
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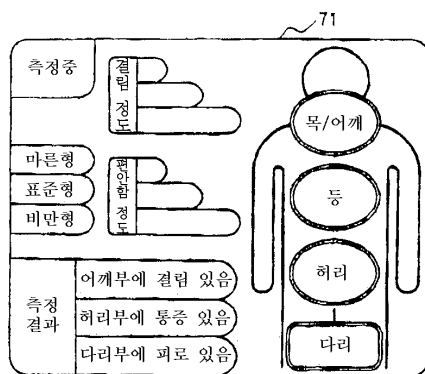
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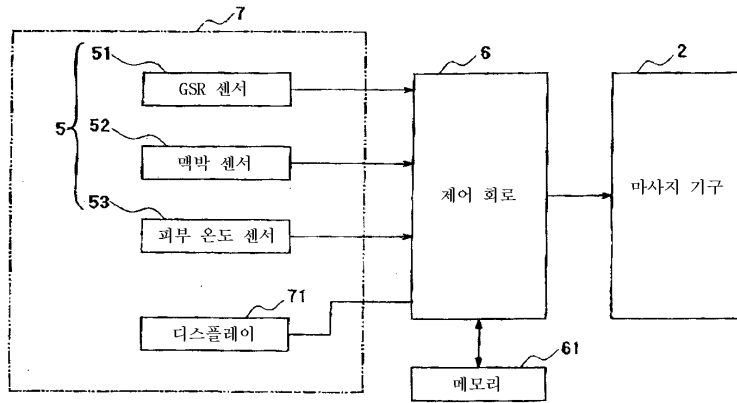
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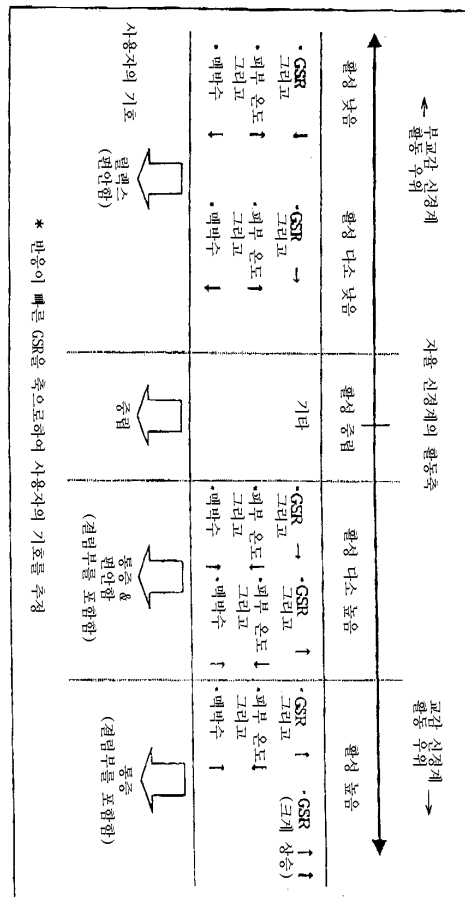
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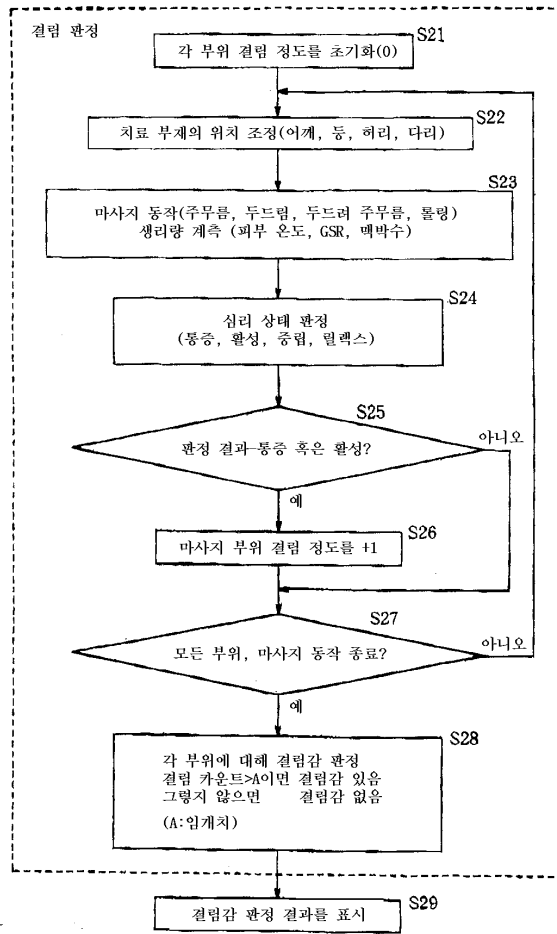


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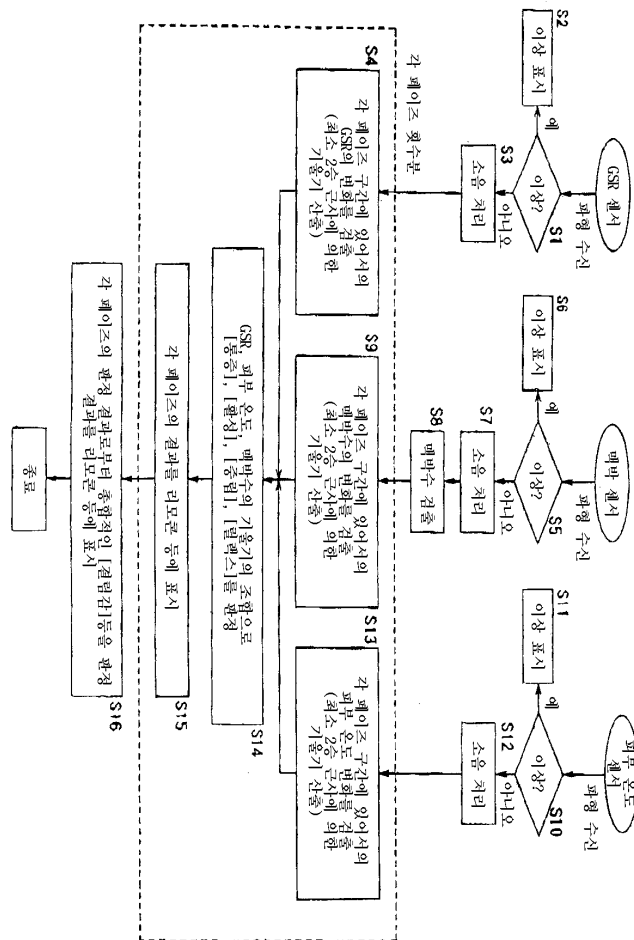


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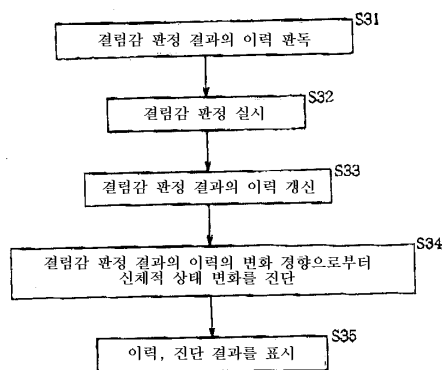
관정	GSR	외부 온도	백박
릴렉스	$\Delta G \leq -A/\tau$	$\Delta T < 0$	$\Delta H < 0$
	$\Delta G \leq -A/\tau$	$\Delta T \geq 0$	$\Delta H < 0$
	$\Delta G \leq -A/\tau$	$\Delta T \geq 0$	$\Delta H \geq 0$
	$-A/\tau < \Delta G \leq +B/\tau$	$\Delta T \geq 0$	$\Delta H < 0$
증립	$\Delta G \leq -A/\tau$	$\Delta T < 0$	$\Delta H \geq 0$
	$-A/\tau < \Delta G < +B/\tau$	$\Delta T < 0$	$\Delta H < 0$
	$-A/\tau < \Delta G < +B/\tau$	$\Delta T \geq 0$	$\Delta H \geq 0$
	$+B/\tau < \Delta G < +C/\tau$	$\Delta T \geq 0$	$\Delta H < 0$
활성	$-A/\tau < \Delta G < +B/\tau$	$\Delta T < 0$	$\Delta H \geq 0$
	$+B/\tau < \Delta G < +C/\tau$	$\Delta T < 0$	$\Delta H < 0$
	$+B/\tau < \Delta G < +C/\tau$	$\Delta T \geq 0$	$\Delta H \geq 0$
동중	$+B/\tau < \Delta G < +C/\tau$	$\Delta T < 0$	$\Delta H \geq 0$
	$\Delta G \geq +C/\tau$	상관 없음	상관 없음



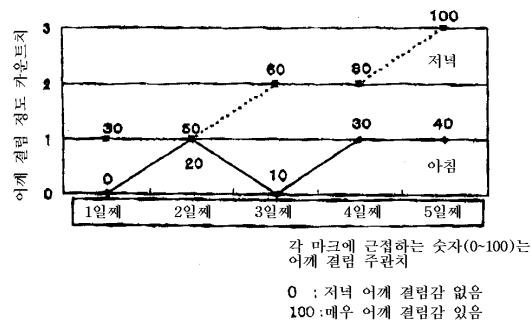
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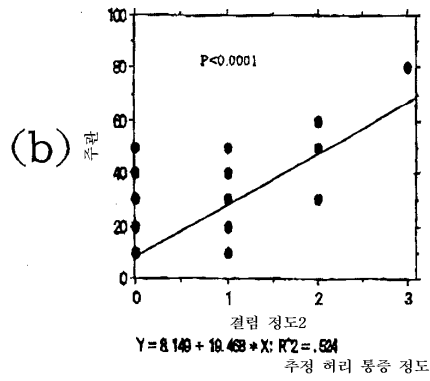
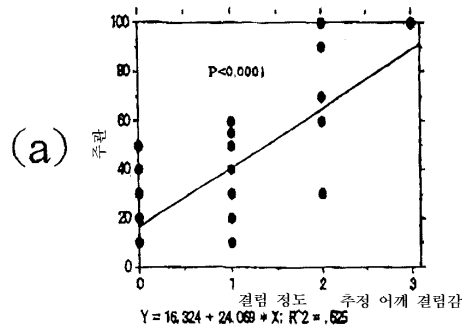
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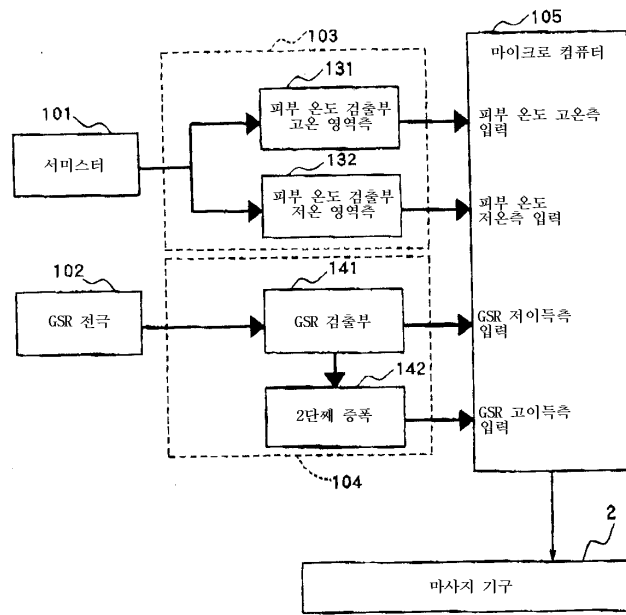
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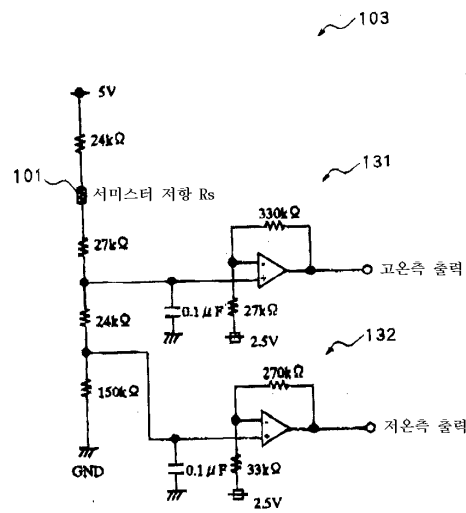
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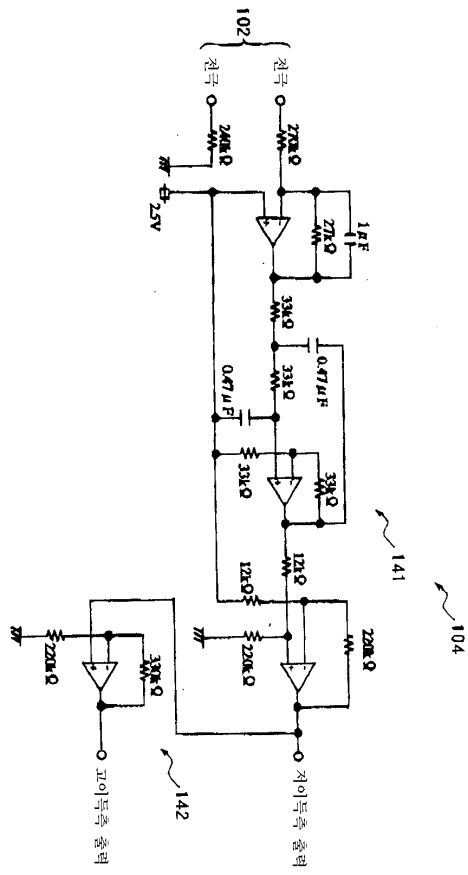
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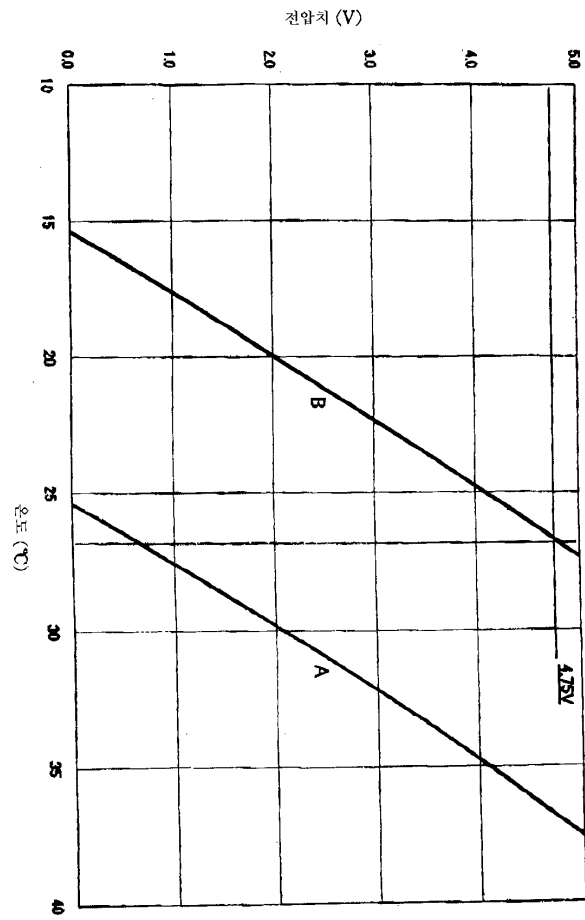
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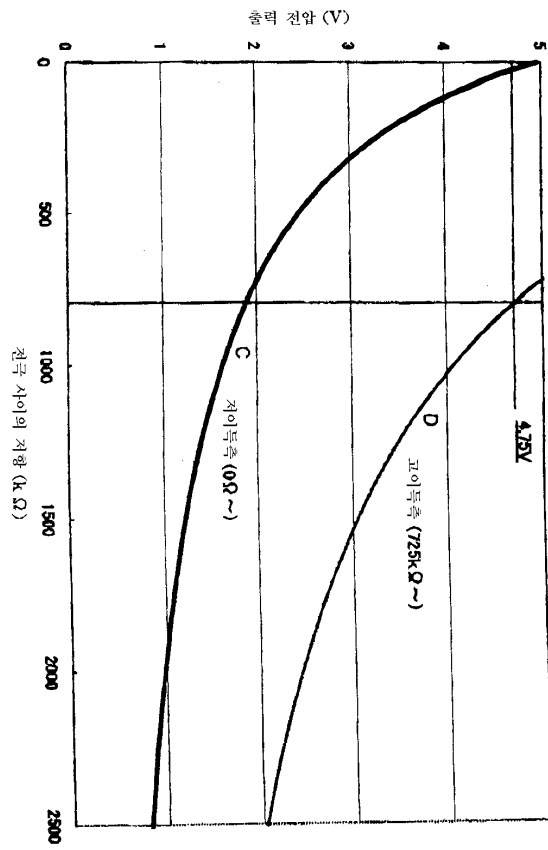
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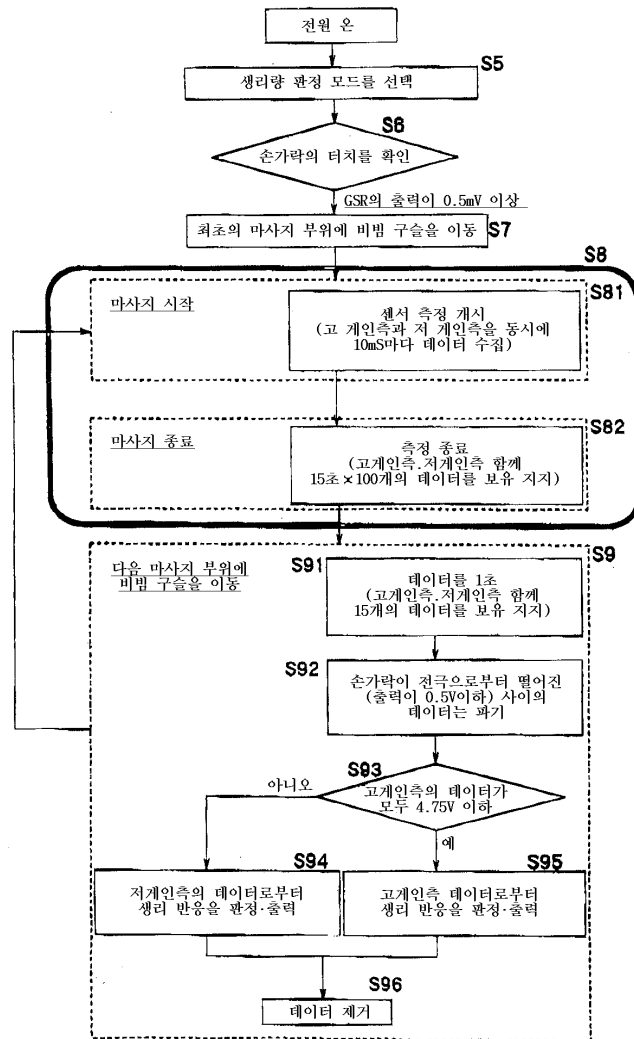
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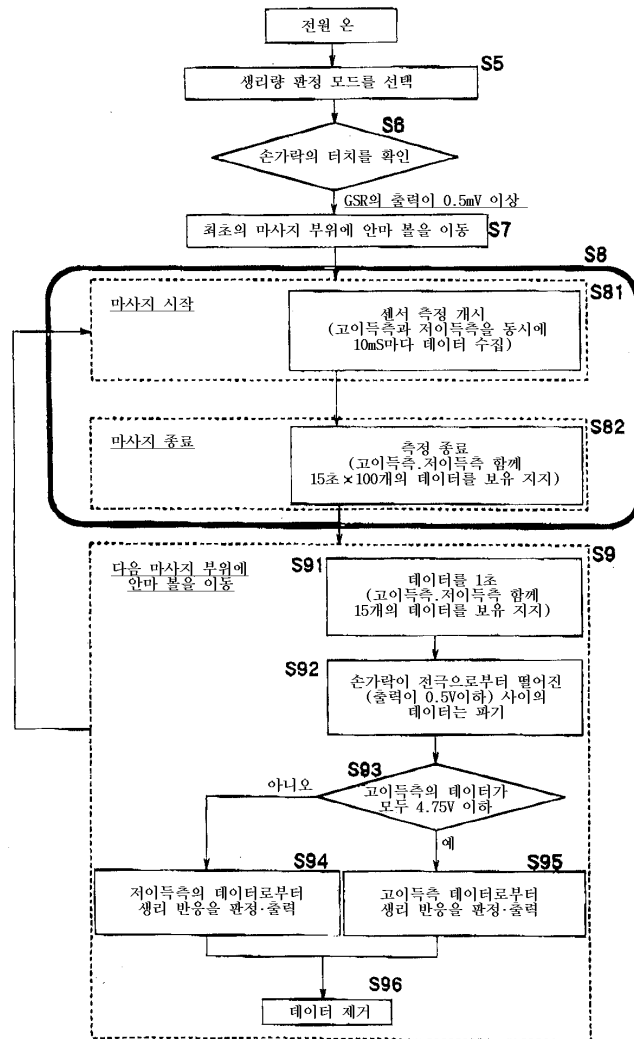
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17



18



专利名称(译)	用于机器的按摩机和生理测量电路		
公开(公告)号	KR1020020070855A	公开(公告)日	2002-09-11
申请号	KR1020020010800	申请日	2002-02-28
[标]申请(专利权)人(译)	三洋电机株式会社 山洋电气株式会社		
申请(专利权)人(译)	三洋电机有限公司是分租		
当前申请(专利权)人(译)	三洋电机有限公司是分租		
[标]发明人	FUJIWARA YOSHIHISA 후지와라요시히사 HIYAMIZU KAZUYA 히야미즈가즈야 KOMA TOSHIKI 고마도시끼 HORI KUNIIHIKO 호리구니히꼬 NONOUE TORAHIKO		
发明人	후지와라요시히사 히야미즈가즈야 고마도시끼 호리구니히꼬 노노우에도라히꼬		
IPC分类号	A61B5/053 A61B5/04 A61H1/00 A61B5/16 A61B5/024 A61B5/00		
CPC分类号	A61H2201/0149 A61H2230/00 Y10S601/13 A61H2205/10 A61B5/0533 A61H2205/081 A61B2560/0468 A61B2560/0462 A61H2205/04 A61B5/01 A61B5/4035 A61H2205/062 A61B5/024 A61B5/16 Y10S601/19 A61B5/4824 A61H2230/50 A61B5/7445		
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优先权	2001056877 2001-03-01 JP 2001056878 2001-03-01 JP		
外部链接	Espacenet		

摘要(译)

本发明提供健康管理特许按摩和医疗体操协会，包括维持控制电路(6)的生理状态历史的存储器(61)，用于基于生物信息传感器确定人的生理状态(5)用于检测被按摩的人的自主神经系统的生物信息，以及检测到的生物信息和按摩的人。确定上述按摩师基于人的生理状态的历史的人的生理状态。为了使用确定结果，健康护理人员的引导线的健康状态被配置为确定是否通过按摩来改善。按摩器，生理量测量电路，脉搏率传感器，生物信息传感器，皮肤温度检测电路。

