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(72) -95330 13

-78160

7

(74)

:

(54)

(, (1))
 가 (picking up) ,
 (woven weaving) (knitted
 (cleaning) (wiping)
 가

(drag) ,
 가
 (mopping)
 가

가
 가
 가
 가
 가
 가
 가

(Swiss pique) , (Lacoste) , (Honeycomb) , (French pique) ,
 - (Ottoman - Honeycomb) ,

가
 가
 2
 2
 2
 2

가

가 1 -
2 ,

가

가

가

가

1a 1f

2a 2b

2

3

4 2

5

6 9 4가

10 11 (isometric view) 10
가 , 11 가

12 10 11

13

가

2
 ; 2 2 2 2 2 2 1 ; 2 2 1
 2 2 가 1 1 ; 2 2 1
 1 - - -
 3, 6 7 1, 4, 5 8 2,
 90 % 70~80 % () 90~10 % 20~30 % 10~
 ar density)' 150 가 9,000 (g) 40~300 (line
 (fineness)' 가 () , , ,
) 150 가 34 (40~300 DuPont 150 가)
 ('PVA') / PVA 가 PVA 가 1~300
 / PVA (Nichibi KK 가) PVA 가 PVA 40
 가,
 % 70~80 % 10~90 % 20~30 % 90~10
 2 2 2 2
 ()

1

2

(greige)

1

가

(, 60 ,

70~100

) 가

2

가

(,

가

30 ,

30

360 /

120

180

가

).

EP

01105948.2

(2001 3 9

)

;

(wiping layer)

6

(40) 2
(42)

(41)

(41)

(42

)

)

(42) ,

(40)가 가

(41)

(42)

(42)
(fleece)

1 cm

(scouring application)

WO 97/49326

3

가

2,958,593 (Hoover)

(42)

(42)

(40)

7

(42)

3 (43)

3

. 3가

(40)

(42)

40)

(scouring)

(40)

),

, 3 (43)

(

, 3 (43)
(fastening hook)

(42) 2

(stitching)

8

(41)

(41)

9

(43) 가

(41)

(42)

(42)

가 (45)

(40)

(40) (40)

cm² 300 cm² 가 (wiping surface) (40) 110 cm² 400 cm² 200

10 11 (60) (50) (40)

(60) 12 (50) (70)

(50) (70)

2 2.5 (70) 1 2 (70)

(70) (50) 가 (70) 가

가 (50) (50) (54) (70) (70)

(55)

10 11 (50) 2 (51,52) 2 (50)

(53)((50) 11 (50)

(56)

(50) 가 (50) 7.5 cm x 27 cm, 가 (50) 9 cm x 35 cm 6 cm x 20 cm,

14 cm x 50 cm (50) 12 cm x 40 cm 15 cm x 60 cm 가 ((

(50) (40) 10 12 (40)

(40) (50) 가 가

(40) (40) (40) 가 가

(46) () (41) 가 (41)

(50) (40) 가 (41)

가

가

가

125 (pumice), (5
 0 cm x20 cm)) 0.400 g 3 30 cm x30 cm
 1 2 g)
 0.400 g
 0.400 g %

60° (-8192 8 (30 cm x30 cm)
 k AG MICRO-GLOSS 60° 가) BYK Labotron Messtechni
 1 (0.27 g) 5 cm 2 '5 2 :
 cm x7 cm , 580 g) 5 cm x7 cm () (5
 , 5 20 cm . 1, 3, 5, 10 15 , 60 5
 1 , %
 5

13 (94) 0.5 kN (95) (93
) (96)가 Intron Dynamometer Model 1011(-78280
 Intron SA 가) ()
 91) (90)
 H- , 2 40 mm x40 mm 120 mm x190 mm
 (97)()
 108 mm x118 mm , () (98)
 685 g . 5 kg 1 kg
 가 400 mm/ 150 mm

, N

2

1. () 'SCOTCH-BRITE' High Performance Cloth' 가 ('HPW - Material'
). (70% 30%)
) . HPW - Material 150
 (turf)- 5

2. (70% 30%)
 (150)
 ('Lacoste - Material'). 1a ,
 1, 4, 5 8 , 2, 3, 6 7 ,
 가 . Lacoste - Material 3 .

3. (Lacoste - Material) 1 , (,
 HPW - Material) 2
 ('Mixed - Material'). Mixed Material (70% 1
 30%)) 2 Mixed - Material 가
 50) . Mixed - Material 가
 Mixed - Material 4 .

, 3

, 3

1

[1]

	(g)				, %
	1	2	3		
HPW - Material	0.360	0.385	0.365	0.370	92.5%
Lacoste - Material	0.339	0.334	0.334	0.336	84.0%
Mixed - Material	0.347	0.342	0.381	0.357	89.3%

. Mixed - Material

HPW - Material

2 3

[2]

		() (%)				
		1	3	5	10	15
HWP - Material	0	76.54	90.83	95.52	96.91	97.23
	5	76.95	90.07	93.28	96.16	96.58
Lacoste - Material	0	81.02	81.02	80.17	78.90	79.74
	5	84.98	78.27	78.81	77.95	79.95
Mixed - Material	0	88.95	87.42	87.32	87.32	88.38
	5	90.20	88.64	88.00	88.00	87.30

[3]

		() (%)				
		1	3	5	10	15
HWP - Material	0	84.97	86.56	87.06	88.57	87.83
	5	85.44	86.72	86.29	84.38	87.61
Lacoste - Material	0	84.14	86.05	86.05	87.42	87.74
	5	82.94	85.17	85.17	85.91	85.50
Mixed - Material	0	86.93	83.41	84.96	86.88	86.56
	5	85.13	82.03	83.69	85.56	84.71

HPW Material

3가

2

4

[4]

	(N)		
	1	2	3
HWP - Material	3.24	3.28	3.32
Lacoste - Material	1.10	1.19	1.19
Mixed - Material	1.65	1.74	1.74

HWP Material

(57)

1.

2.

1

3.

1

4.

3

5.

1

6.

1

7.

6

8.

1

9.

1

10.

9

11.

10

12.

1

13.

가

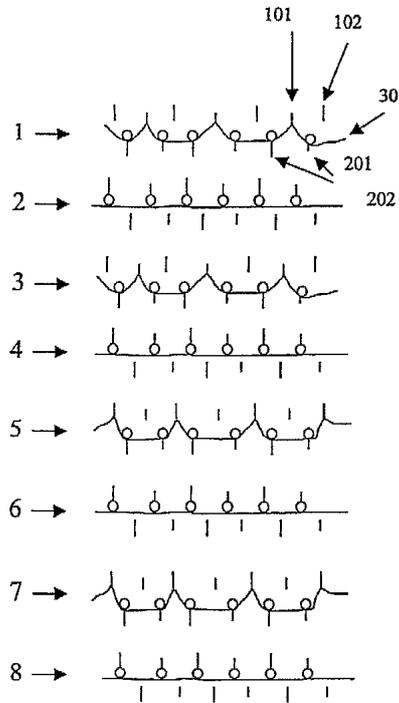
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4

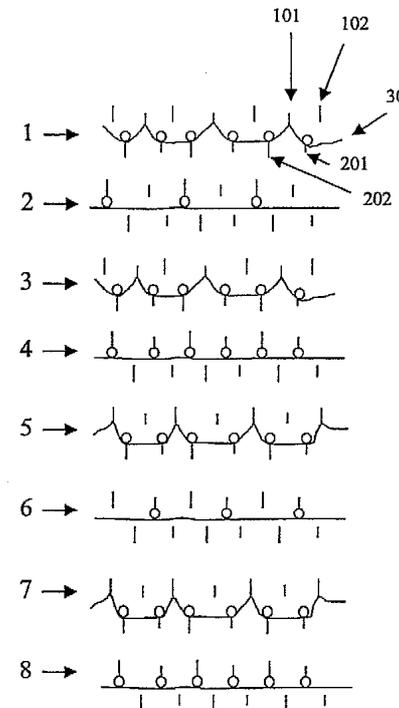
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11

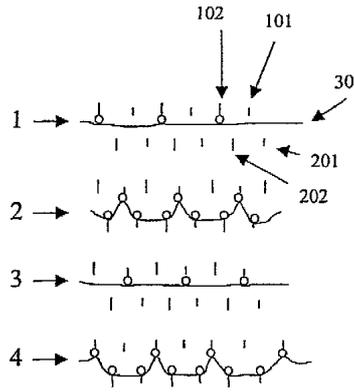
1a



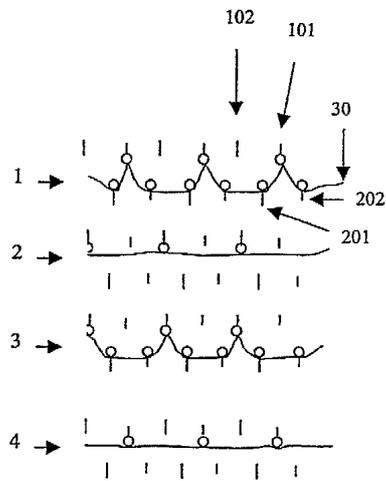
1b



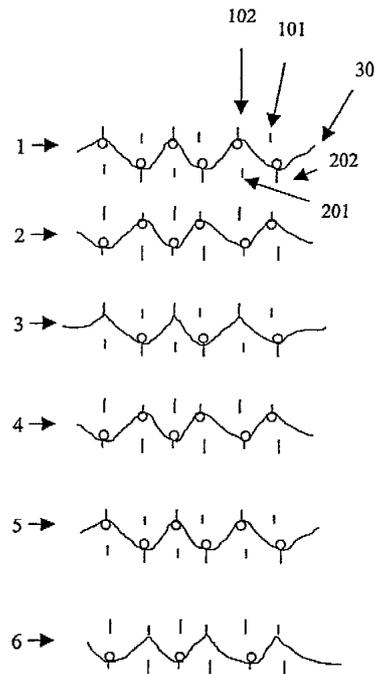
1c



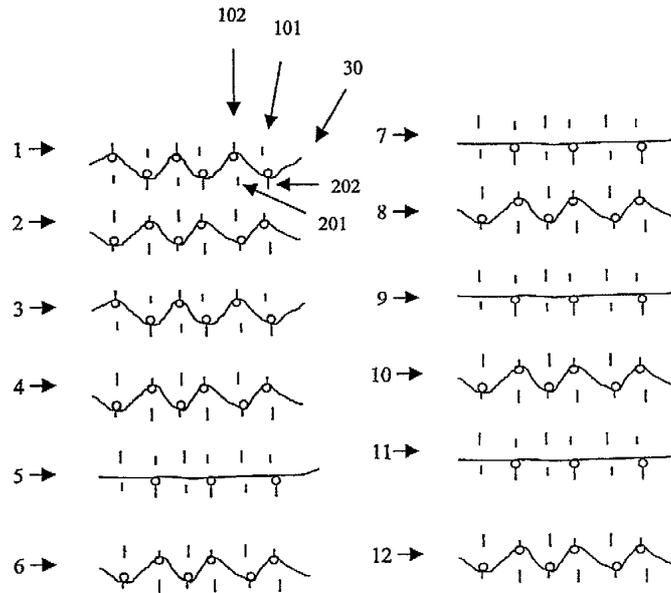
1d



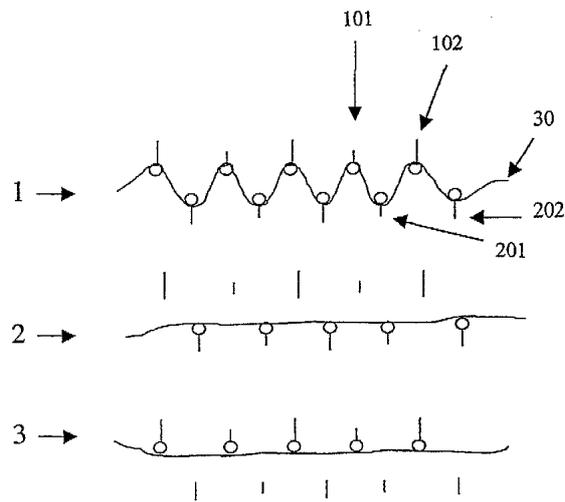
1e



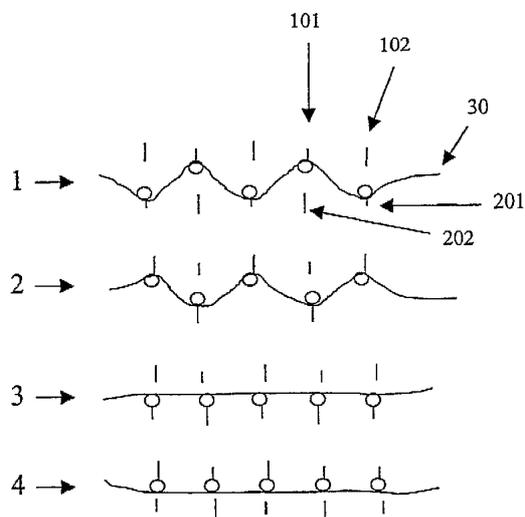
1f



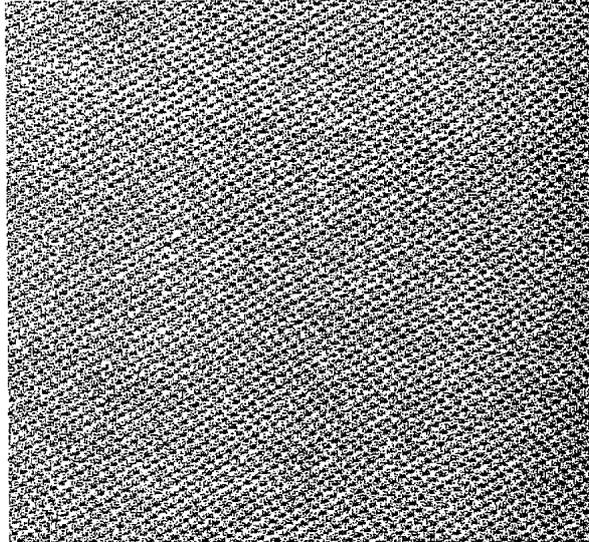
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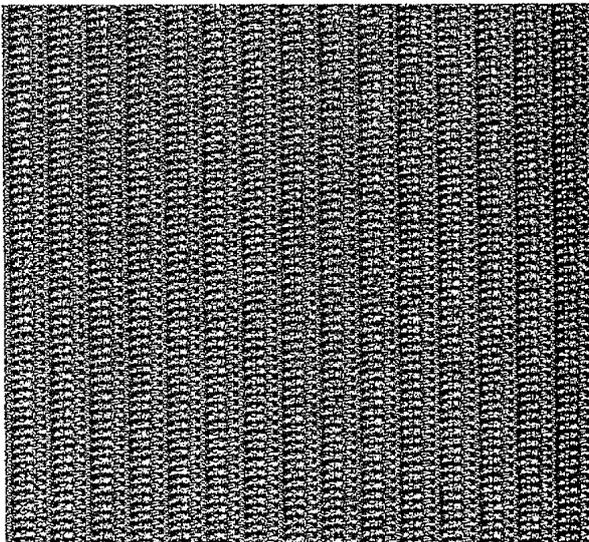
2b



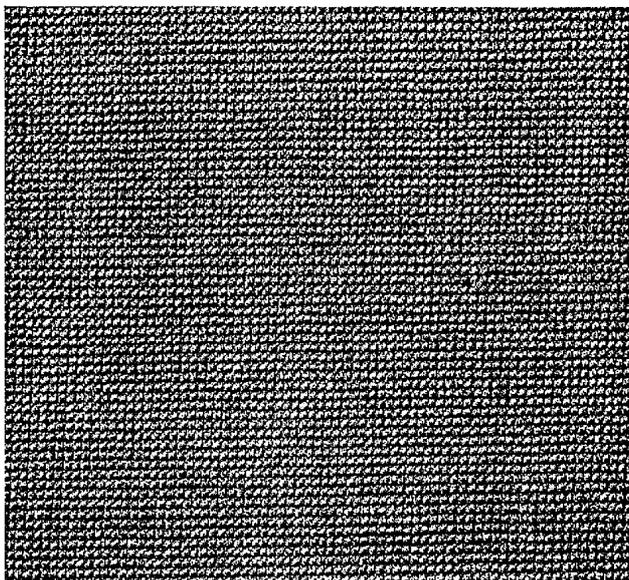
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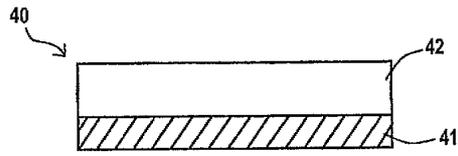
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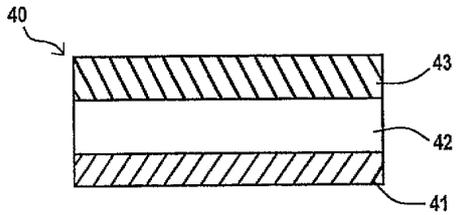
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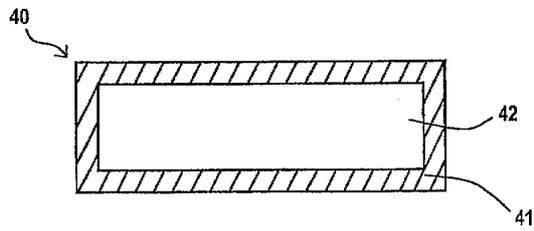
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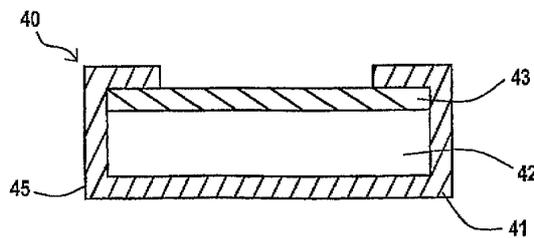
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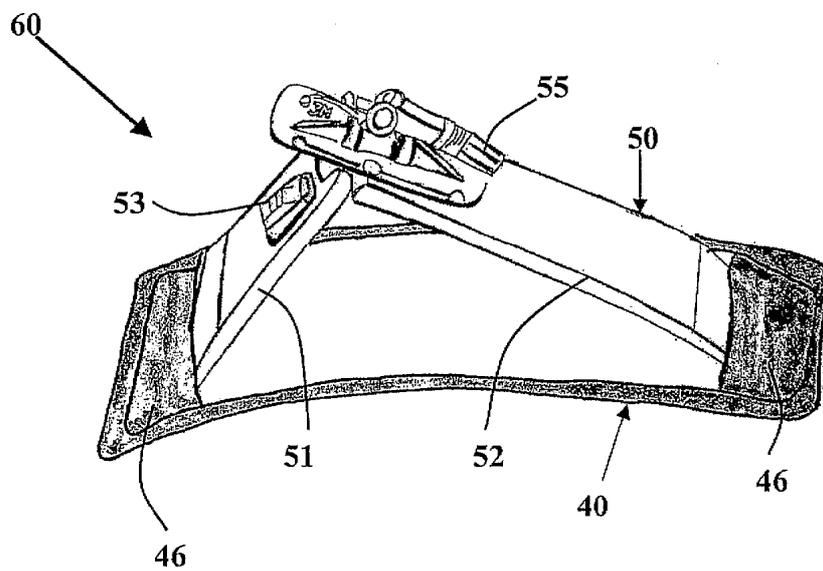
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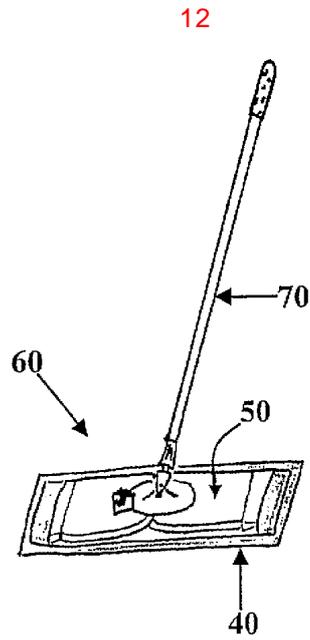
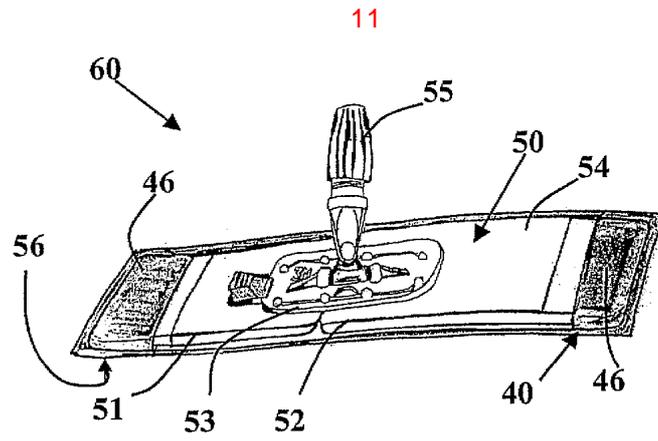


9



10





13

