

(19)
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(A)

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G11B 33/08

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2003 10 10

(21)	10-2003-7012280
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	2003 09 20
(86)	PCT/US2001/24987
(86)	2001 08 09

(87) WO 2002/78000

(87) 2002 10 03

(30)	60/277,784	2001 03 21	(US)
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(71) 920(:95066)

(72)	'	73170	'	10101
	'	73065	'	76704
	'	73099	'	417
	'	73170	'	11109
	'	73099	'	9934

(74)

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(54)

	(100)	(110)	(140)	
.	(140)	(100)	(102,104)	(126)
.	(140)	(102,104)	(126)	(134,154)
		(148)	.	(150)
			(148)	(126)
134,154			(102,104)	(
8)	.	(140)	(150)	(14
	(150)	가	.	

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(deck)
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(pole)
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5,999,374 (Kim'374)
() , Kim
Ahmad 6,175,469(Ahmad'469)

Kim'374

Ahmad'469

,

(VCM) 가

VCM . VCM VCM

(engage)

1

2 1

3 2

4 3 4-4

5

6

7

가 , 1 , (100) (100) (102)
(104) (102) (105) (100)

(104)가 (1
00)

(106) (102) , (108)가 (106) (112)
(110) (106) (108) (112)
(108) (114) (114) E- (115)
(114) (115) (118) (116) (118)
(120) / (120) / (120) (108)
(120) / (120) ()

가 (108) (120) (122)
 (120)가 (108) (122) (100)가 (124) /
 E- (115) (VCM)(126) E- 가
 E- (115) (128) (130) (130)
 (132) (132) (134) (136)) (1
 (130) 가 (130) (132)
 (130) (130) (132) / (1
 12) (108) (138) (132) (10
 2) (114) (120) (100)
 /
 1 (140) (140) (100)
 (104) (134)
 2 (140) (104) (104) (142), 2
 (108) (104) (146) (144),
 (140) (104)
 (140) (150) (148) (1
 04)가 (102) (150) (134) (134)
 (104) (150) (150)
 (104) (134) (150)
 (150) (140) (chord)(
 3 4 (140) 3 4 3 4-4
 (140) 가 (150)
 (148) (152) (150) (152)
 (150) (150) (152)
 5 VCM(126) (140) VCM(126) (132) (134)
 (154) (156,158) (156,158) (130)
 (150) (160) (134) 가 (130)
 (132) (104) (134) (150)
 (150) (150) (148)
 6 (140) (140)
 (162) (162) (166) (134)
 가 (curved engagement surface)(164)
 (140) (134)
 7 (140) 7 (140)
 (104) (134) 7 1-5
 (168) (170)가 가 (170) (1
 68) (172) (140)

-

1-7 (134) (104) (140) (104)

가 (104)

가

가

(140) (140)

74 Ahmad'469 가 (150,162,168) Kim'3 (104) (134)

(130)

(104) (134) (140)가

(102) (154) (140)가

(VCM(126)) (100)

VCM (112) (100) (104) (134) VCM(126)

가 (102)

(a) (148); VCM

(150,162,168)

(148) 1 (134) (104))

(140) (10) (134) (150,162,168) (140)

Kim'374 Ahmad'469 가

가

가

가

가

(57)

1.

가 , 가

가 ,

가

(a) ;

(b) 가

2.

1 , 가 .

3.

1 , - .

4.

1 , 가
(radiuced profile) .

5.

1 , , .

6.

(a) ;

(b) 가 ;

(c) ;

(d) , :

(d1) ;

(d2) ,

7.

6 , - .

8.

6 , 가 .

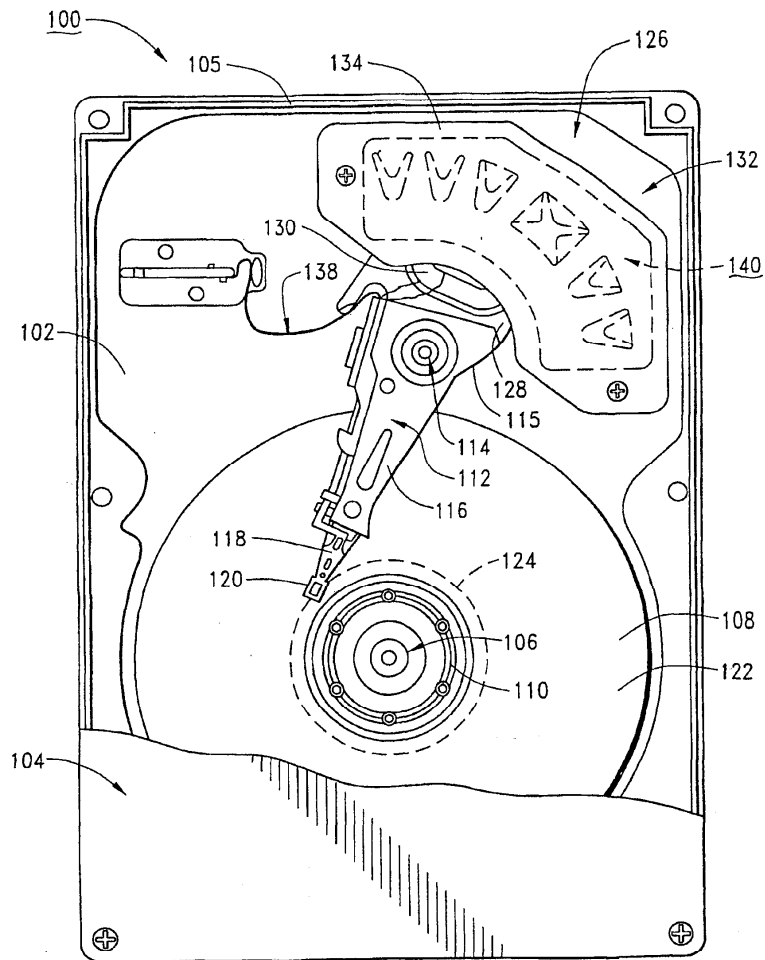
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6 , .

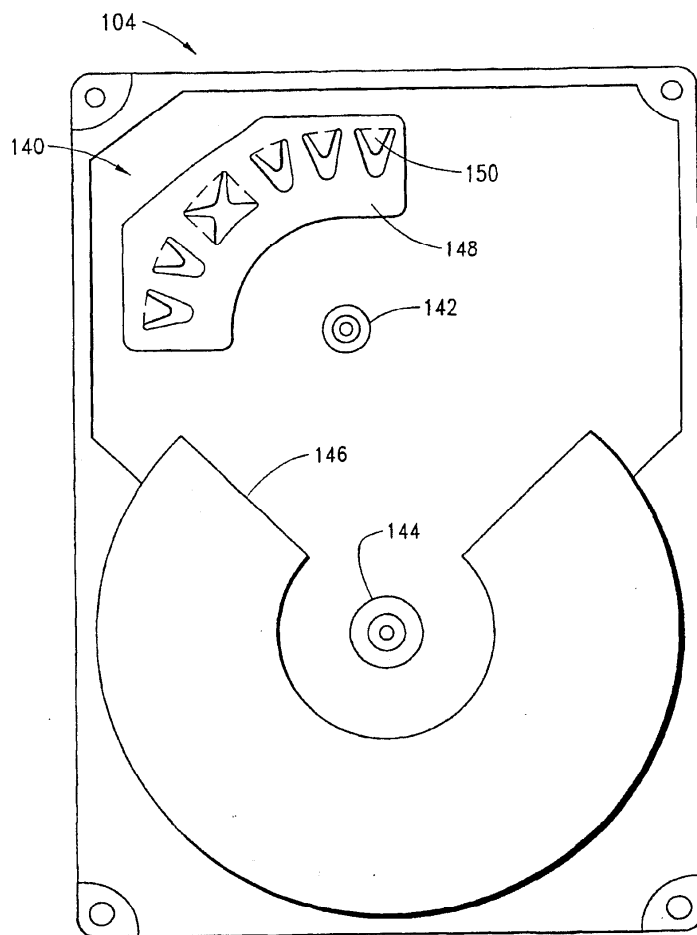
10.

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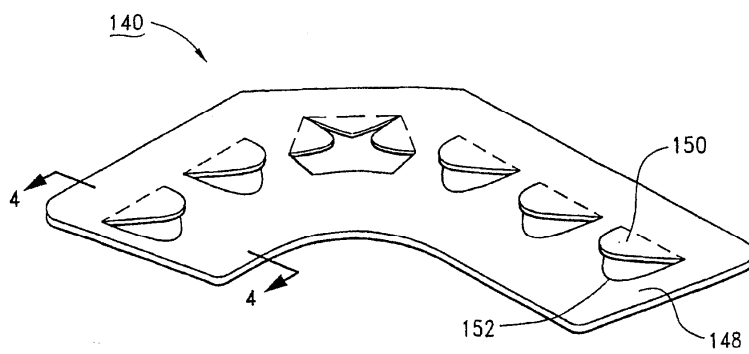
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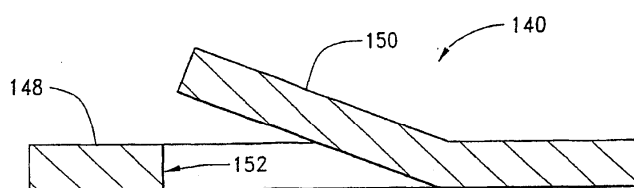
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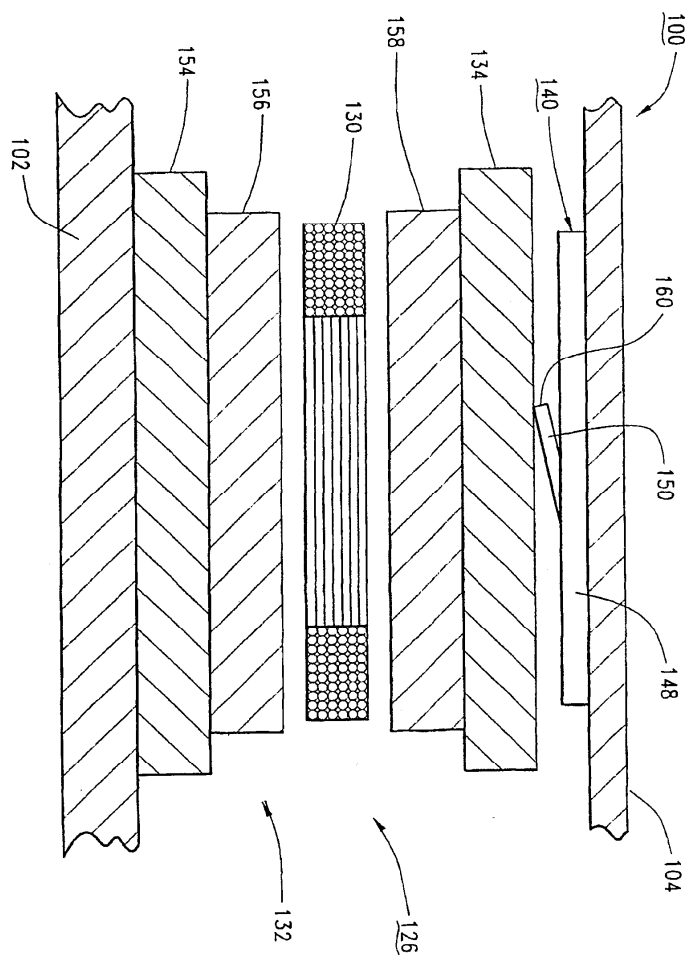
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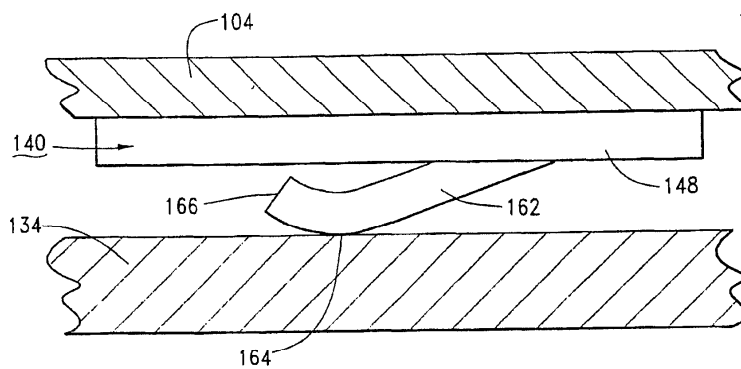
4



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