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2004 09 18
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2004 09 09

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(22) 2001 08 14

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10-2002-0073371
2002 09 26

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(73) 가 가 2 2 3

(72) 2 2-3 가 가

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(74)

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(7) , (7) (15) (15) (15) (16)
(8) (150) (15) (15a) (15f)
(15a) (100) (15) (15) 가 (15g) (15g)
15a) (15b)

1	1
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13 : , 15 : ,

15a : , 15c : ,

15d : , 15f : ,

15h : 15g : ,

16 : , 17 : ,

18 : , 19 : ,

20,21 : , 22,23 : ,

30 : , 50 : ,

100 : , 150 : .

(3) (6) , (8)가 (7) (3)
(6) (4)가 (6) (1) (2) 가 (6)
(9) (7) (9) (6) (11) (8) (10)가
(18)가 (11) (17) (8)
(7) (8) (12)가 (3) (8)
3) (13) (13) (1) (13)
8 (20),(21) (20),(21)
(22),(23) 가 (22),(23)
(6) (5) (7)
(1a),(2a) (1) (2) (1b),(2b)
(1) (2) (16) (16a),(16b)
(8) 14 (15a)
(15) (15) (16) (15a)
(16) (16) (15) (19)
(15a) (30) (15) (15a)
(15) (7) 16 , 3 (16) 2 96
(15a) 가 (30) 가
(8) 15 21 15 16
12 가 (30) 가 , 17 (30A)
가 18 2 (30) 21 6 (30B) (30A),(30B)
(30) 가 (30A),(30B) 6 (30a)가 (30A)
(15d) (15a) (15c)가 (30 °) SPCC
(150) 가 19
A),(30B) 20 (a) 21 (19)가 (36) (15a) , 2 (30)
(15a) (30A),(30B) (150) (30)
(30b) 20 (b) (19) (150) (15a) 4
, 2 (30A),(30B) 21 (150)
(150) (15g) , 20 (c)
(8)

(16) (15) (19)
(19) 가 (16) 가 (15) 가 (19)
가 가 가 가
(15) (15) (15c)
(15) (15c)
(19) (15c) (19)가 (15) (16)
(16)
, 21 (16) (15) (15a) A (15)
20(c) (16) (16) (16) (16)
c) (15) (16) (16) (15)
(16) (16) (16) (19)

19) (19) (15) (16) (16) (15a) ()
(16) (15) ()
가
가
가
1. 1 1 2 1
(15) (16) 가 (2) 0.35mm SPCC가 (15) ,
(15a) 가 (30) (19) (16) (16) (19)
(15) (100) (15) (15a)
(100)
(100)) (51) 3 (50) (51) (50)
(52) (150)) (15) (150) (15)
a) (15) 가 (15) 가 (15f) (100) (150) (15)
(, 2 (燒付) 가 , (100)
(15) (15f) (100) (15f) (150)
4 (15f) 가 () (150) 가
(100) , 가
(100)
4 (15a) 가 (8) (15f)
(15c) 5 20μm (15a) (16) 20μm
(15a) 35μm, (100) R (15a) (16)
(15) (15g) (100) (15)
(100) (15) (15c) (100)가 가 가
(15)
(100) (15) (15a) 15 21 (16)
) (15a) (15a) (30) (15) (16) , (16)
(16) (15a) (100)가
(15) (15g) (15) , 1
(15) (8)가

(16) (15a) (19)

(100) 가 (150)

(100) (150) (150) 가 (15b)가

가 가 (150) (15a) (15) (15c) (15)

(100) (15) (15) (15)

(19) (100) (15) (15a) 가

(19) (100) (19) (15a)

(100) (15a) 가 (15)

(15) (19) (15a) 가 (100) (15a) (15)

가 가 (100) (15a)

1 (100) 가 (15)

100) 가 (15)

2.

6 2 7 8 1.6mm x 가 1.4mm x R 0.2mm

가 (30) 1 (16) 3 가 (100)

9 2 (15a) (100)

(15a) 가 (150) (15a) (15h) (15h) (15h)

50) (100) (15h) (15h) (15h)

가 (15a) (150) (15h)

(15a) (100) (15h)

10 9 (15d) 가 0.35mm (15e) 0.5mm (15f)

(16) (100) (16) R (15a) (100) (15a) R

가 (15e) (16) (15a) 가

가 9 (150) (16) (15a)

(100) (16) (15a) 가 (15c) 가 (15)

00) 가 (15a) (100) 1

(15a) (30) (100) 1 (16) (15a)

(30) (16) (15a) 가

(100) (15a)

3.

11 (15) 3 (15f)가 (凹凸) (凹凸) 11 (15) (15f)
 가 (100) (凹凸) 가 (16) (15a) (100) (15) (15f)
 , 11 (15a) (凹凸) 가 (凹凸)
 가 (360d) , (361d) , (15c) (凹凸)
 , (凹凸) , 12
 (15d) R (凹凸) (凹凸)
 , (150) (100) (150) (16)
) (15d) (15g) (15) (15)
 , (15) 가 (30) 가 (U , I , J)
 , 가 가 9-10352

가 가

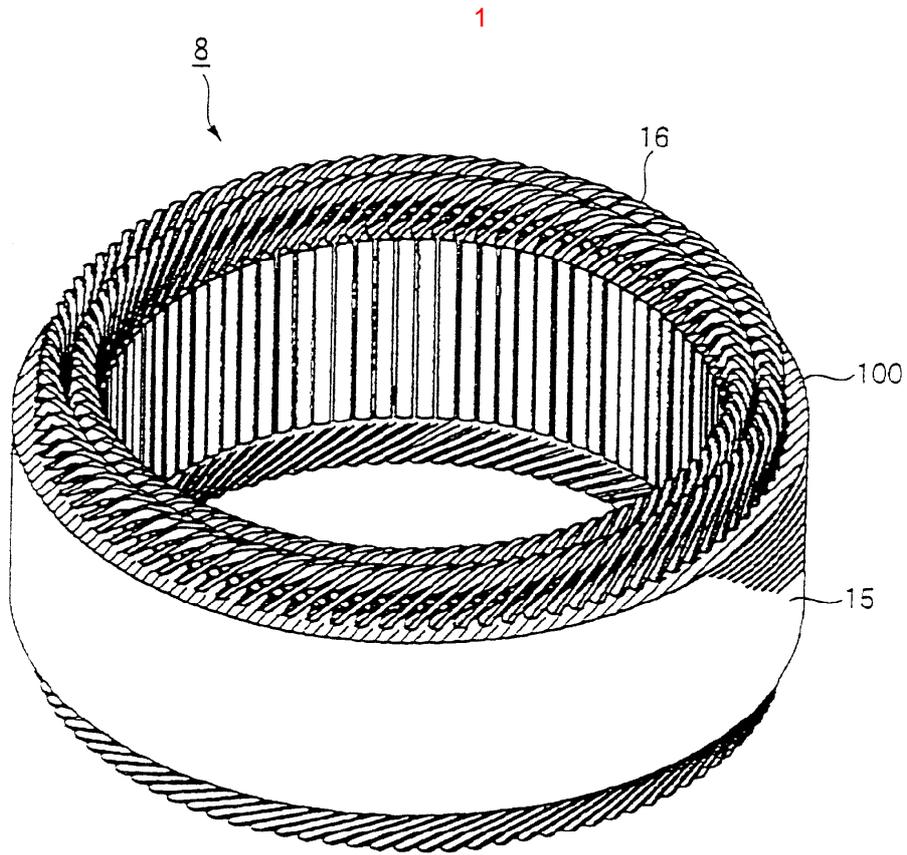
가 ,
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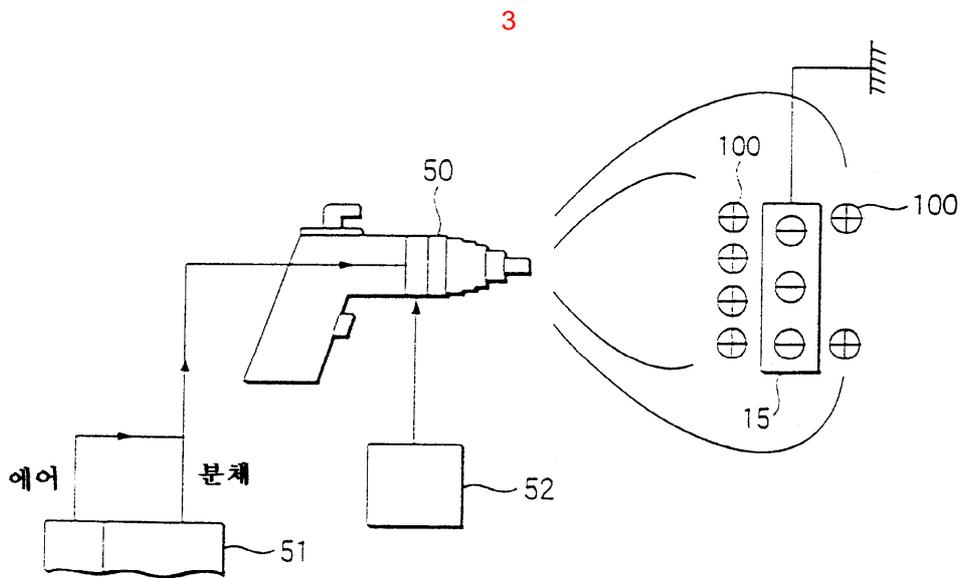
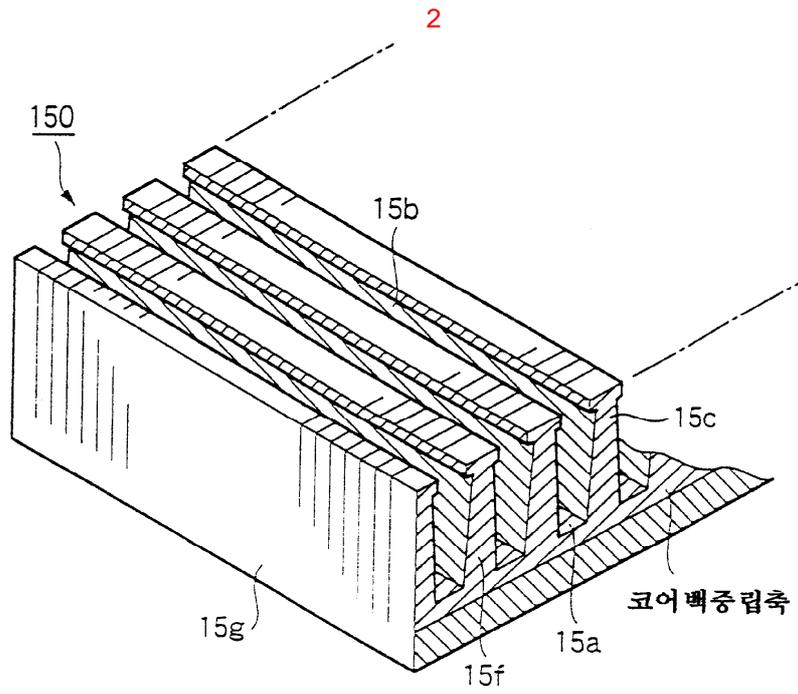
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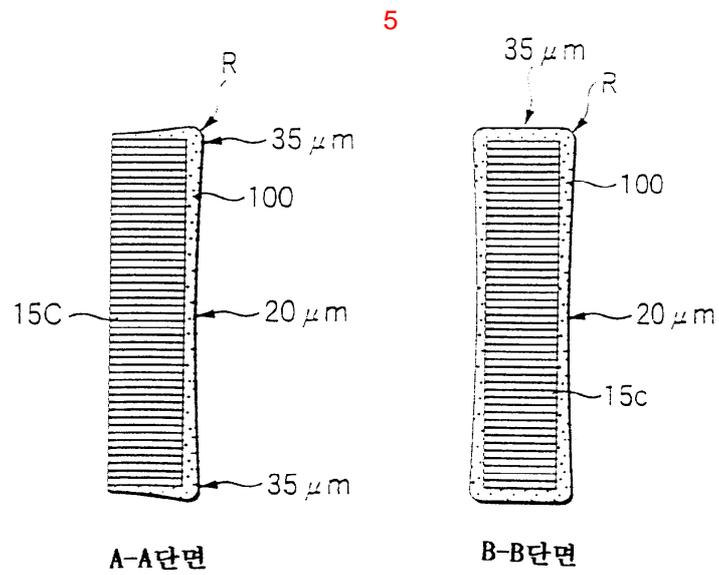
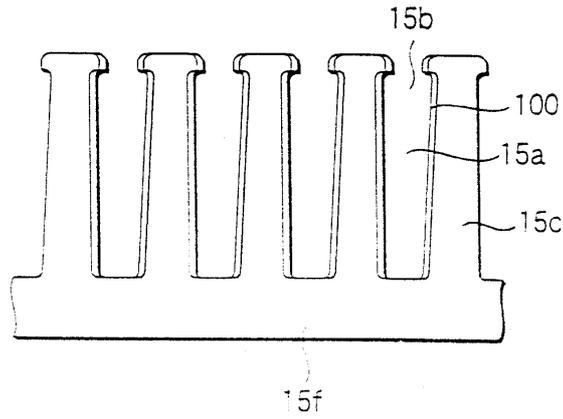
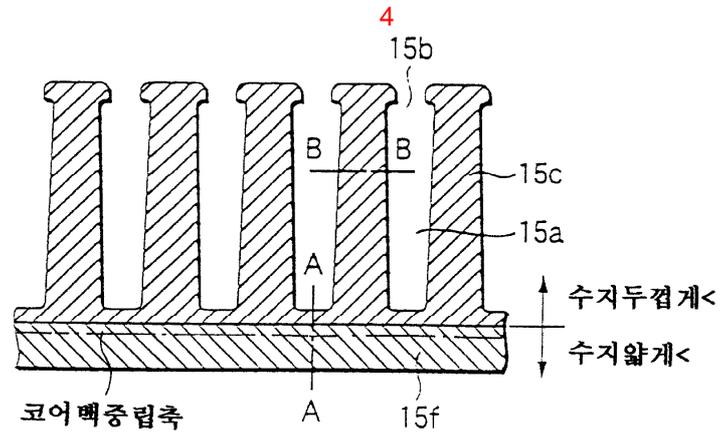
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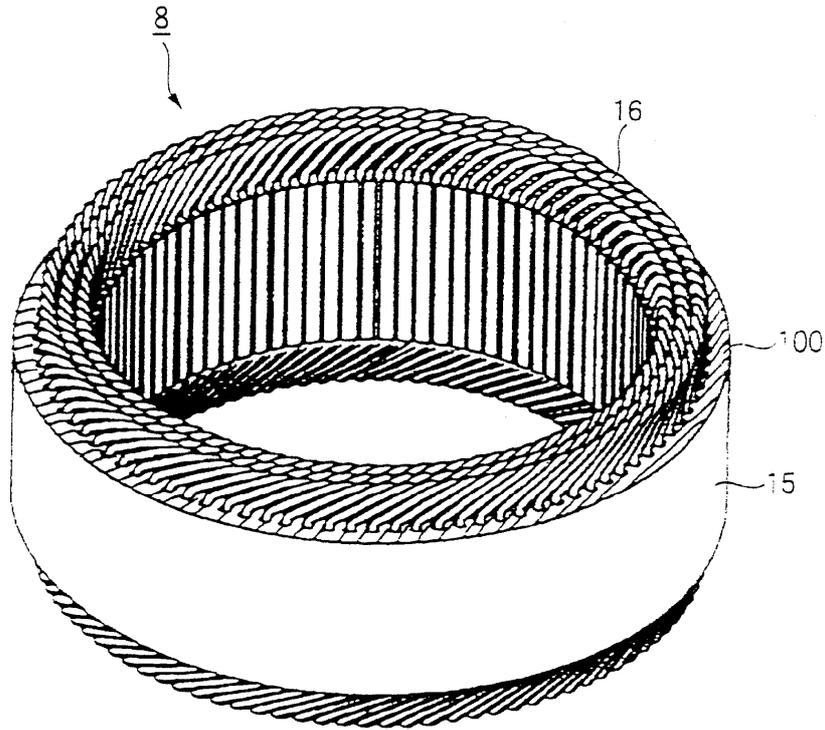
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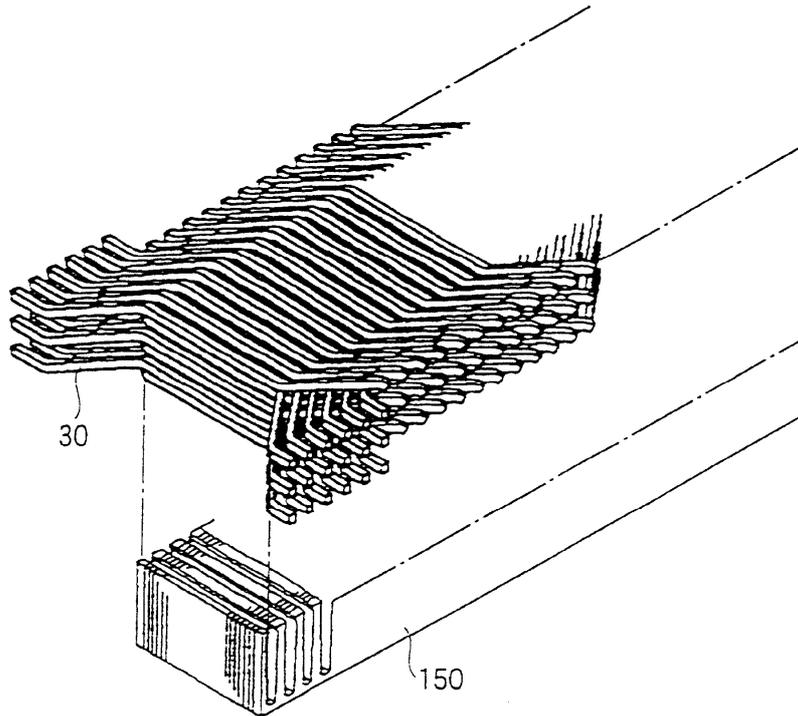


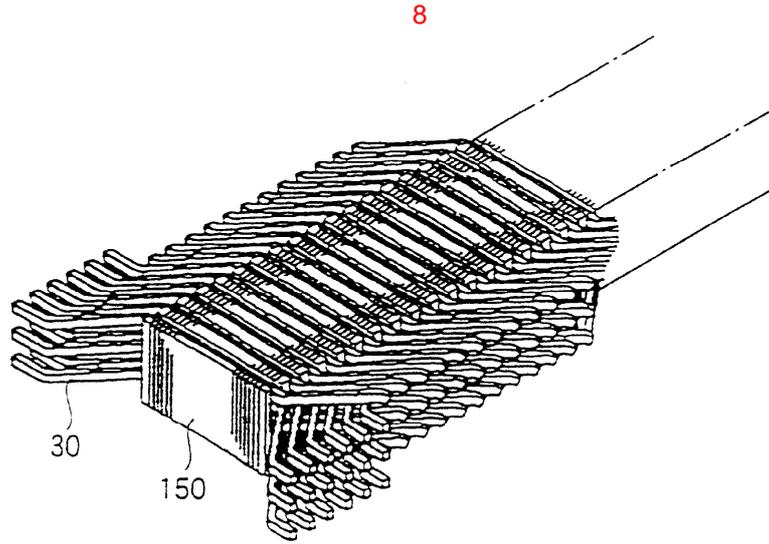


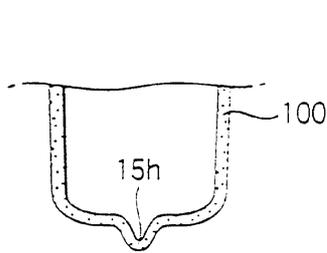
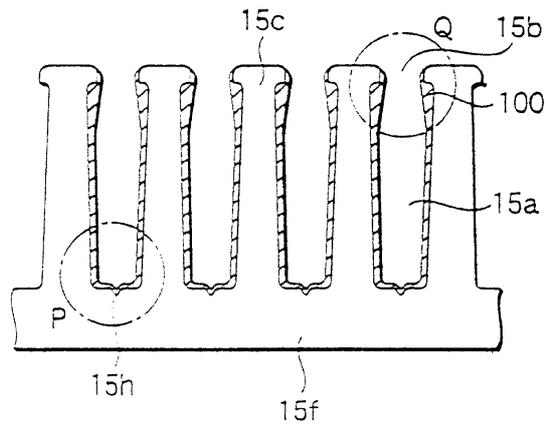
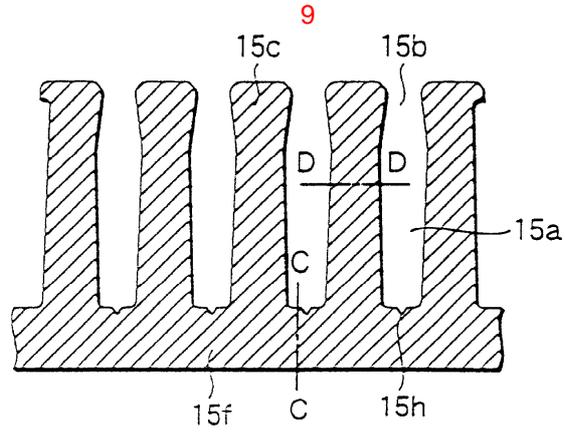
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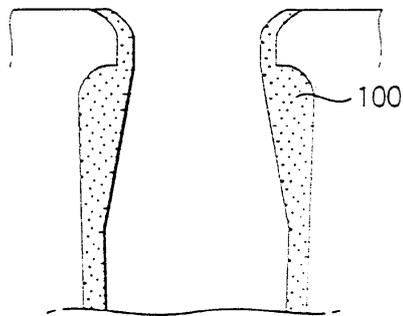
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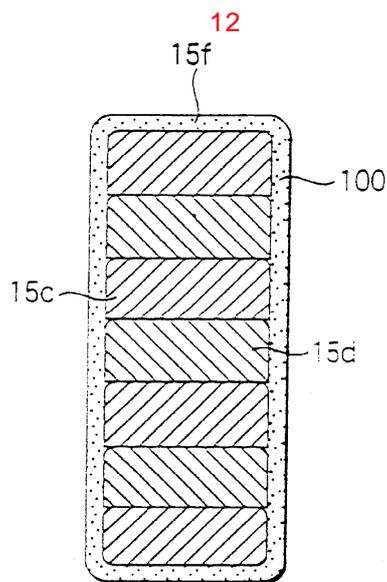
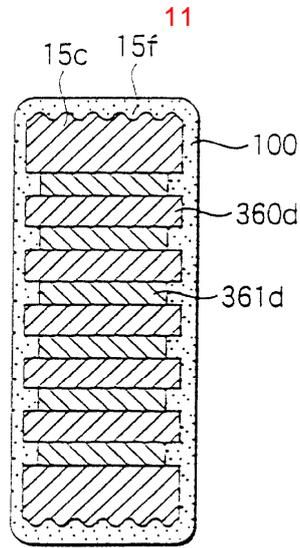
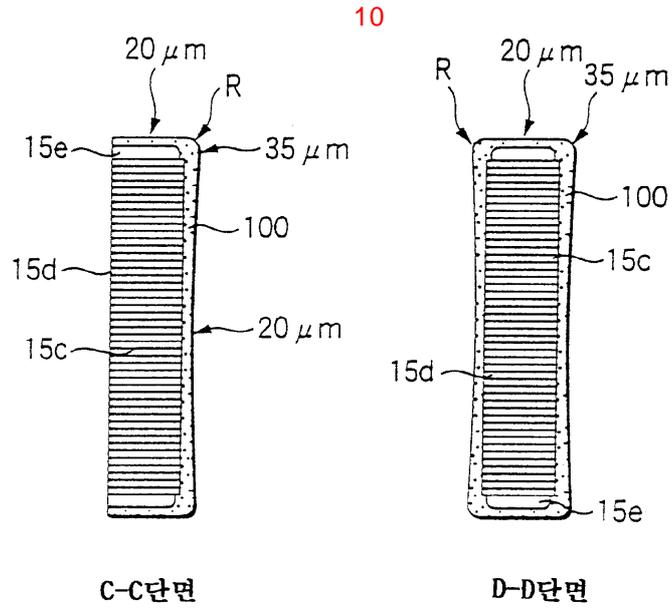


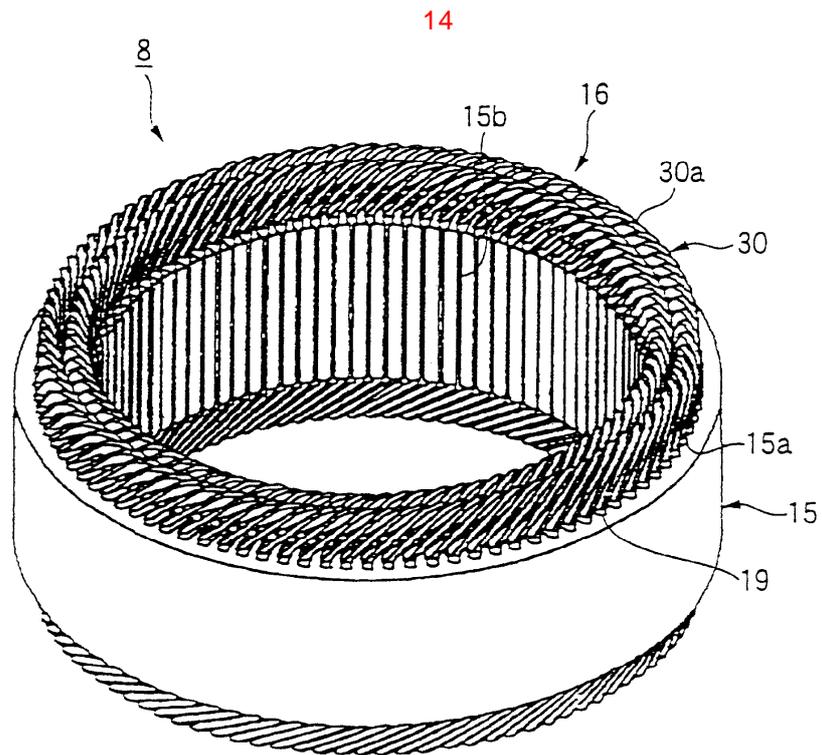
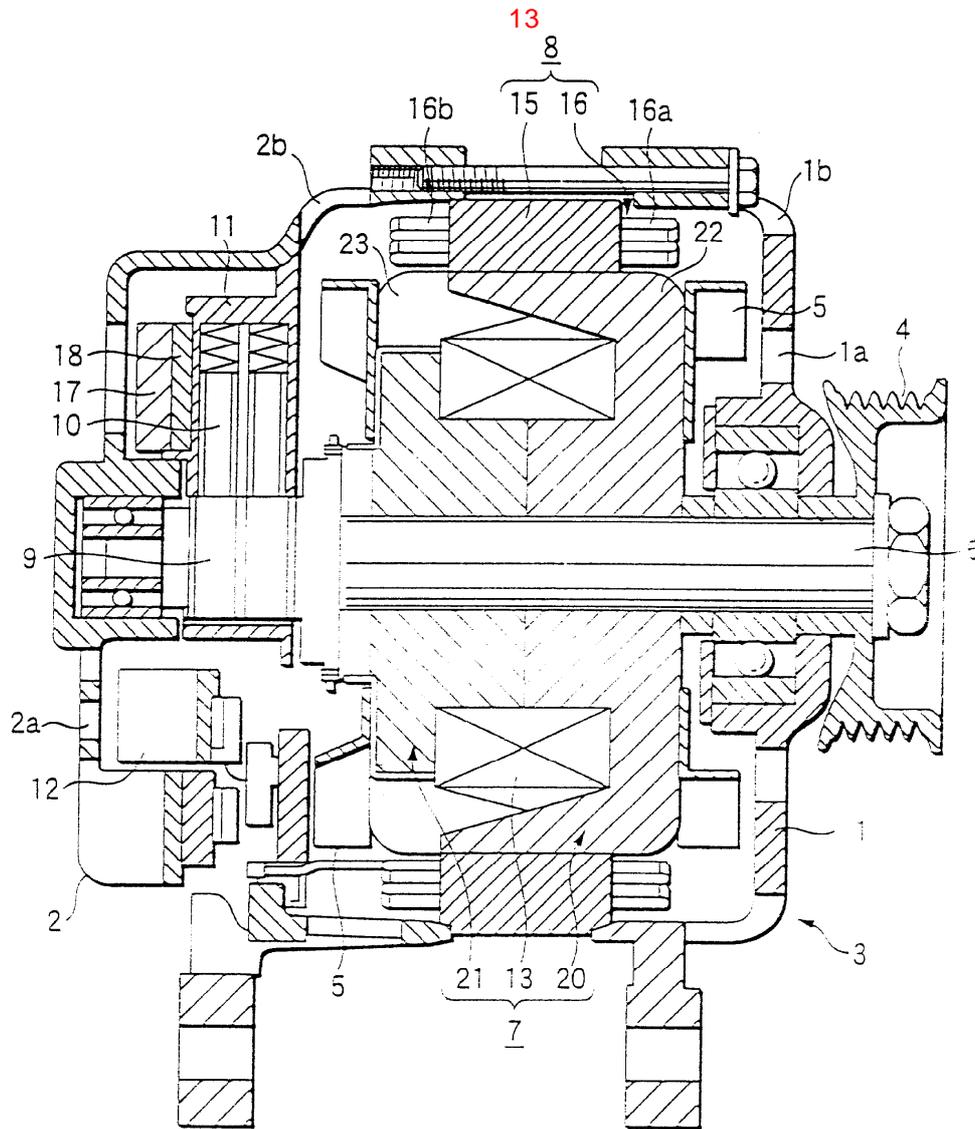


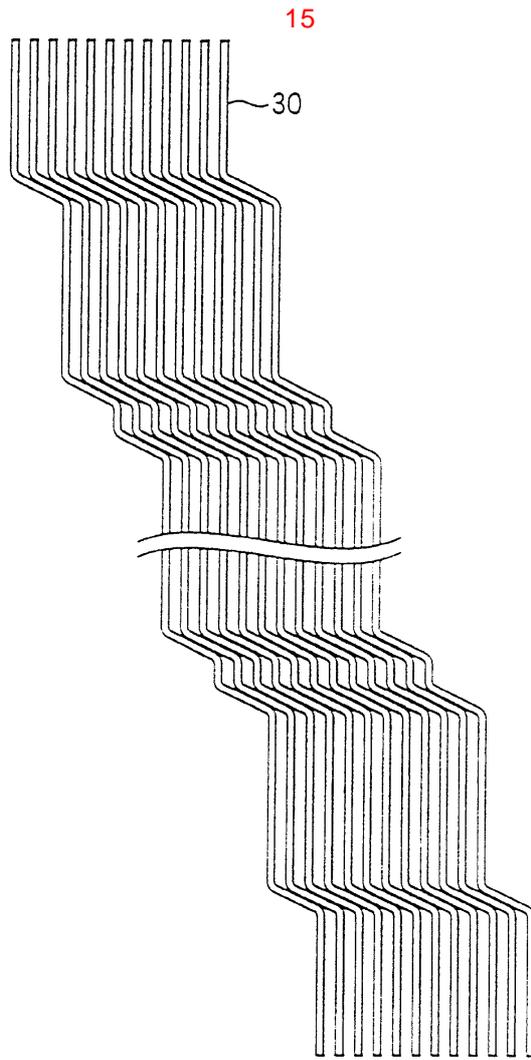
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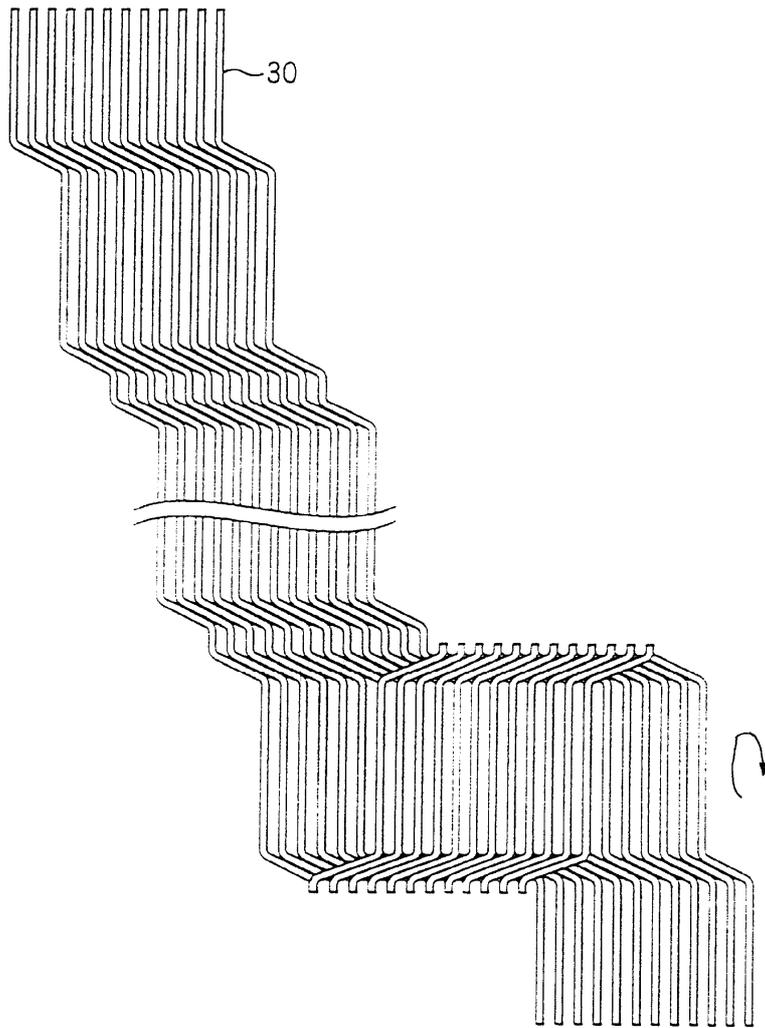
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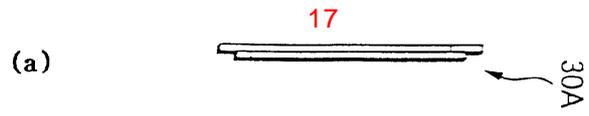




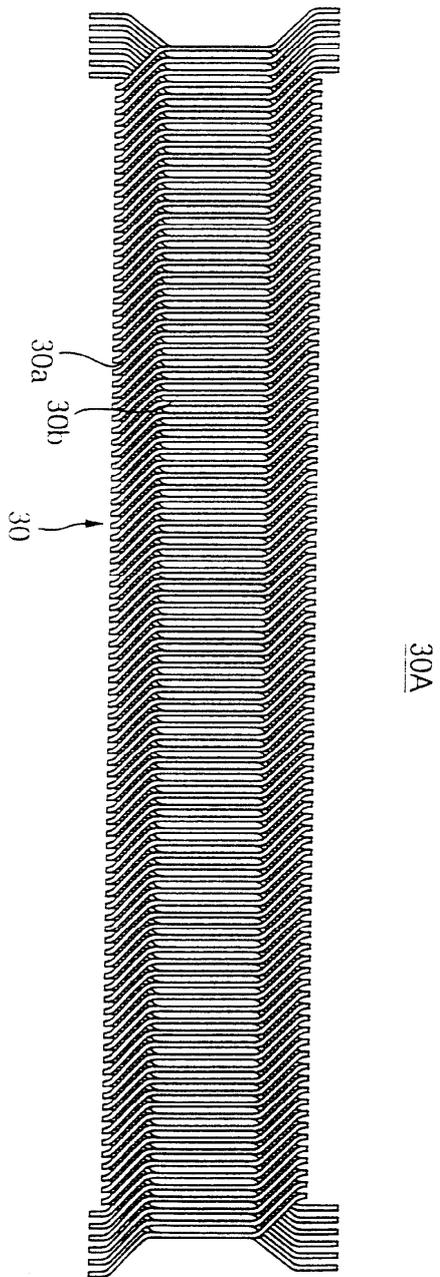


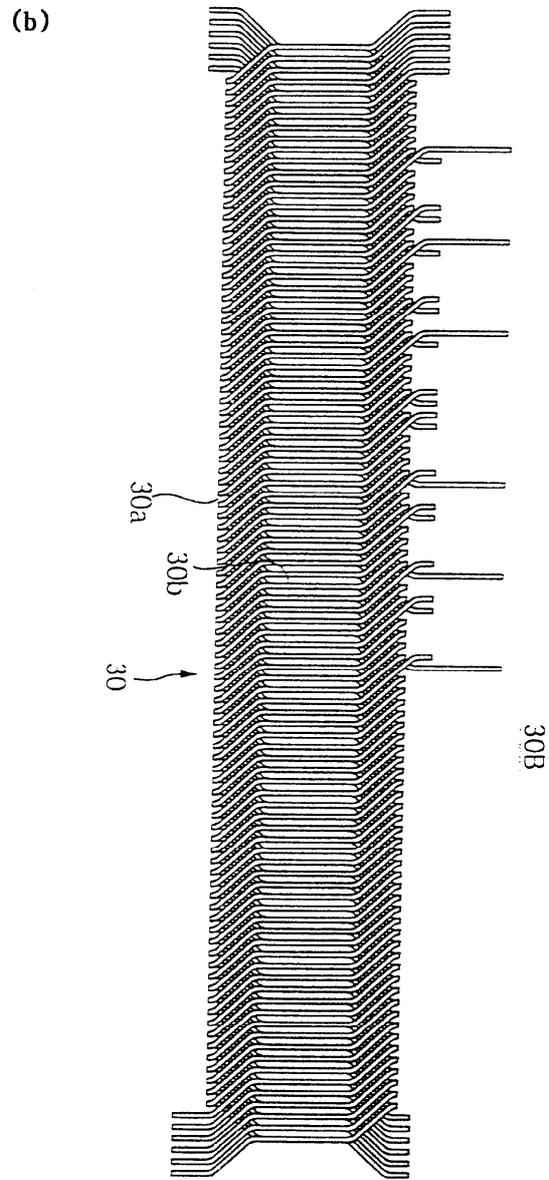
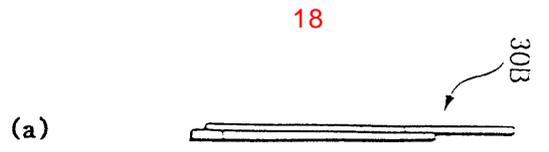
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(b)





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