

(19)
(12)

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(A)

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(71)

63000 - 23

- -1763 - 10 12

(72)

63400 9

(74)

:

(54) 가

V1 (11; rotating capstan)
(10) , (2; receiving surface) ()
20, 30; means to displace the cable transversely) , (40)
V2 (2) 가 (1) ,
(20, 30)
(pivoting movement)
V1 V2 .

, , , ,

1

2 1 II

3 1 F

4a 4d

3

1: 2:

가

(ply)

(zero - degree ply)"

가

"

-

; ,

가

(vulcanisation mould)

(

shaping)

가

가

가

가

가

(elongation)

(cut)

가

(bi - elastic)

가
가

가

ning) , 3 가 가 (positio
가 가 . 가 ,

, 가 , 가
가 (shoulder) (crown) , 가
가 (sinusoidally) 가 .

EP - 0 724 949

가 .
(displacement)
(motorised wheel)
(cord feeder)

, 가 ,
가 ,
.

, V1 , V2 가
, (body) , V1 V2
, V1 V2 .

, 가 ,

V1 , V2 가

V1 V2

가

가

가 V1 V2

가

1 (2) 가 (1) (5) (2) 가 (2) V2

(2)

(5) (20, 30) (2) 가 (10) (40)

(10) (supply reel;) (12; cabl
 e infeed pulley) (12) (2) (11) (11)
 , XX'가 (12) (11) (20, 30)

(11) (13) (14) V1
 (2) (2) V2 V1

(20, 30) 2 3 (5) (30)
 (20; guiding head)

(20) XX' (21) (1)
 (210) 가 (22, 23) 가 가

가 (22, 23) (11) (221, 231) .
 e) , 가 가 , 가 (22, 23) (fac
 , 가 가 가
 , (24, 25; spindle) (26) (21) (211, 212)
 , (24, 25) (21)
 25) (application device) (21) (opening) , (24,
 (241, 251; cap)
 (30) (31, 32) , XX' ,
 , (5) (33) ()
 (35) (36, 37)
 311, 321) (20) (5) , (31, 32) (311, 321) , ()
 (27, 28) (221, 231) (24, 25)
 (31, 32, 24, 25) V3 .
 8)가 (311, 321) (31, 32) (27, 28) (21) (31, 32) (27, 2
 (21) (21)
 (38)
 (2) (40) Y (41)
 , (410) (2) .
 (41) 가 (22, 23)
 (42; arm) (420) (41) , (5) (43)
 , (45; elastic joint)
 (5) 가
 (2) 가
 , 3 4a 4d
 , (2) V2 , V1 (2)
 (27, 28) (31, 32) (38) (311, 321)
 (21)
 V1 V2 , V1 = V2 ,
 (27, 28)가 (thrust) 가

(31, 32) 가 (27, 28)
 , V1 V2 , V3 (2)
 (2) " (pushing)" (27, 28)

st element) (21) (thru 가 가 가

4a 4d C A P (21)

X", Y" Z" (41)
 , Z" (11)

4a , (27, 28) 0 가 , (31, 32) (24, 25) (41)
 X" = 0 가 가

4b , (31, 32) 90° , (27, 28) (21)가
 (extreme position) X" = A/2

4c , X" = 0 , (31, 32) 180° (27, 28)가 (31, 32)
 (25, 24)

4d , (31, 32) 270° (27, 28)가 (21) 2 " " , 4b
 Y' - Y
 (21) (2)

V1 V2

가

(57)

1.

10) , V1 (2) (11) (20, 30) , (2) 가
 (40) (5) , V2 (2)
 (1) , (20, 30) V1 V2

2.

1 ,

(20, 30)

(20)

1 (31, 32) ,

3.

2 ,

(20)가 (27, 28) 1 (31, 32) , (27, 28) 2
 (24, 25) , 2 1

4.

2 3 ,

(20)가 (221, 231) 가 (22, 23) 가 ,

5.

3 4 ,

(20)가 2 (24, 25) (21) .

6.

2 5 ,

(5) (38) .

7.

1 6 ,

8.

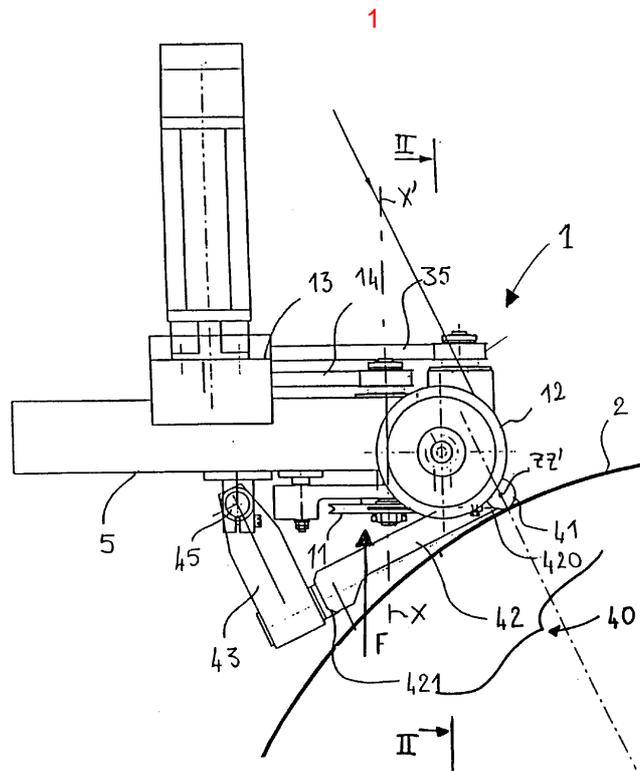
10) , V1 (2) (40) (20, 30) , V2 (11) (2) 가 (1) ()

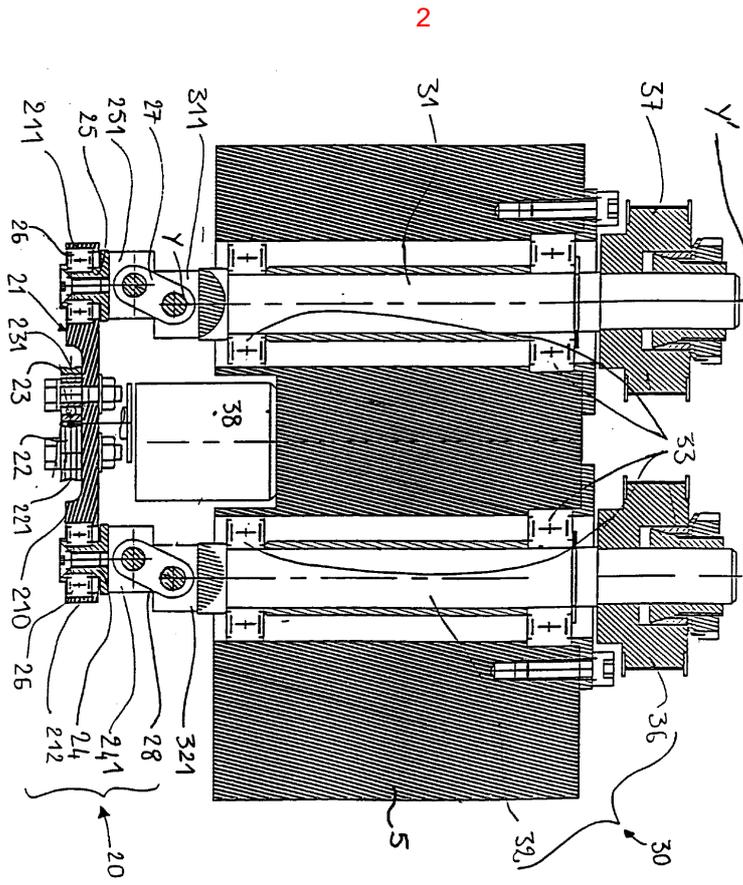
(20, 30)
(pivoting movement)

V1 V2

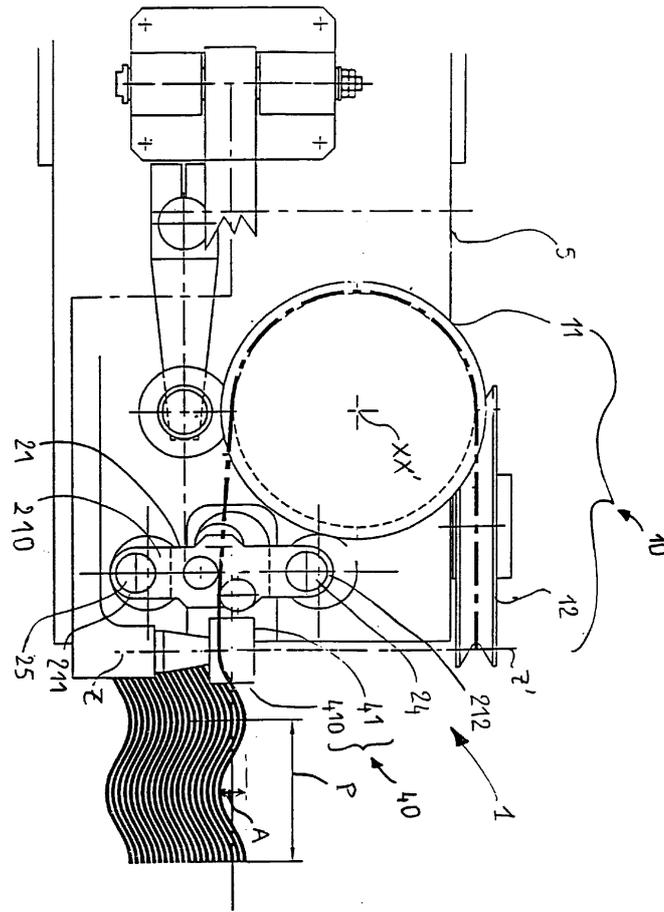
9.

가

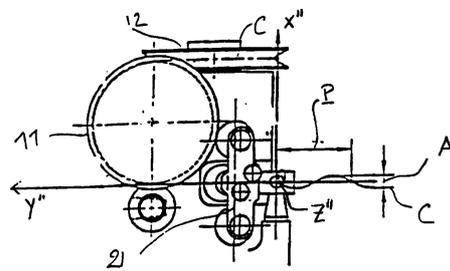




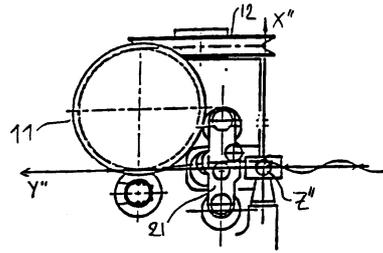
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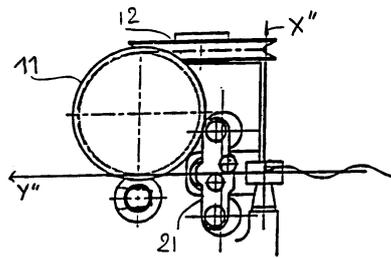
4a



4b



4c



4d

