

- 3. (17) -

(5)

1)

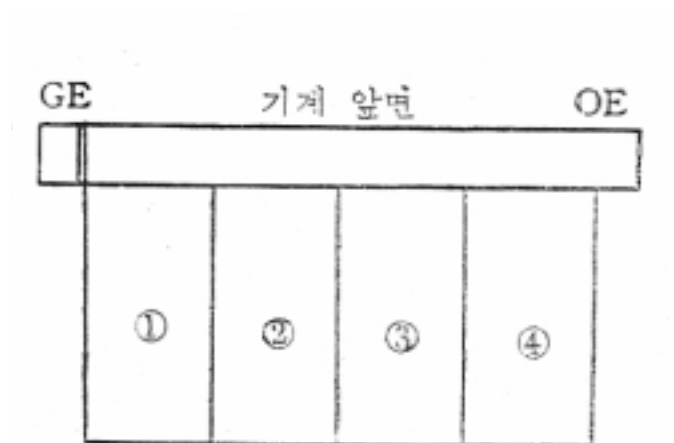
가 , 가 ,

○

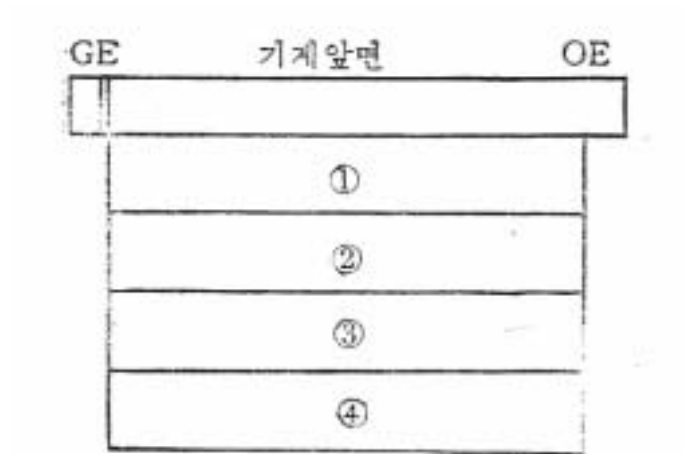
○ 가 가 가

a) . < 5-3>, < 5-4> <

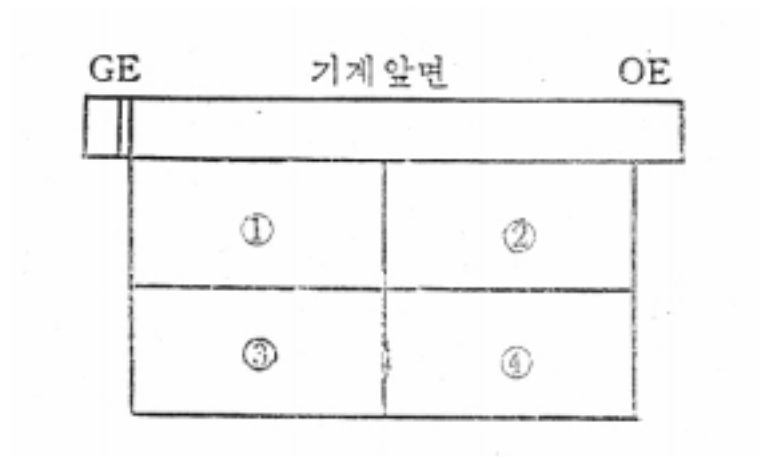
5-5>



< 5-3>



< 5-4>



< 5-5>

(block)

(: 2~3)

(:)

2가

< 5-5>

b)

가

()

가

가

c)

가

d) 가 가

 $1/2$

e) 1 8 4~6

4 41/4, 1/2, 3/4, 가

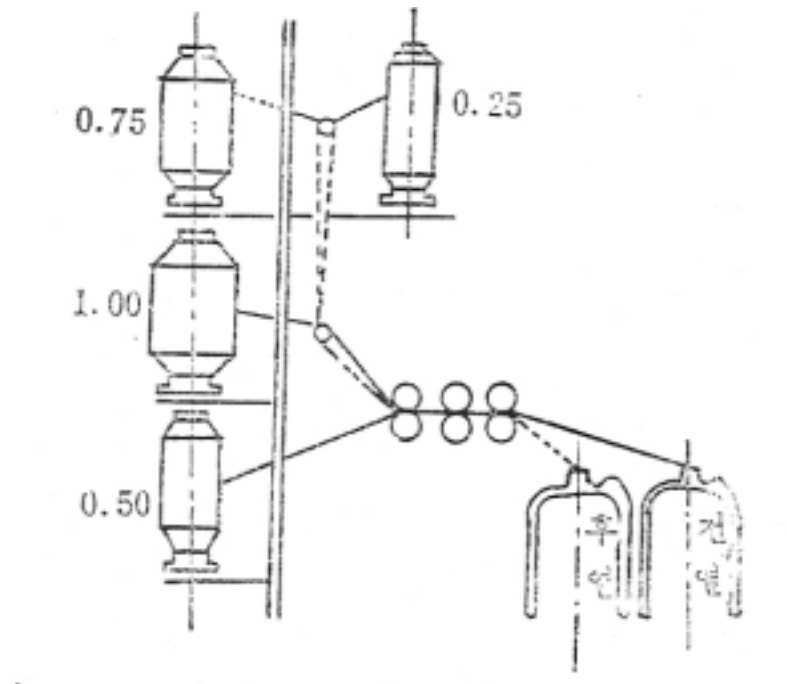
2)

a) 8, 2, 1
1 가

b) 가

$$2 \qquad 1/2$$

< 5-6>



< 5-6 >

3)

a)

2~3

B)

가

c)

가

d)

e)

가

f) 가 3 cm .

g) 가 .

(6)

1)

. (70%)

a) . (가)
1/3

b) 가
. ()

c) (10~12cm)
5~6 가 .

d) .

e) .

가 가

f)

g) .

가 가

4cm

() 가 가 ()

() 가

()

() 가

() () 가

가

가

h)

i)

2) (easy doffing)

가

a) 가

가

가

b) 가

c)

d)

e)

(nock)

f)

g)

가

가

(7)

가

()

l)

a)

: 45~60 , : 6 ~2

(.)

b)

: 1 ~1.5

: 1 0.4~0.6mm

(nip)

1 0.2~0.4mm

(cot)

2mm

가

2)

a)

b)

c)

2

3) 가

a)

b) 8~12 .

4)

a)

가 .

b)

.

c)

. (

.) 가

.

.

.

(8)

가 ,

,

< 5-1> .

< 5-1>

()

		(8)
()		1
()		2
	()	2
	()	
	()	
()		
	,	8
	()	1
		1 ()
	,	1 / ()
GE OE	,	1

: (suction cleaner)

, .
(endless) (pneuma blow)
(pneuma suction) 가

(9)

1) (bearing)

(oil bath)

가 . 가 1

,

2 ~1

.

2)

가 .

.

3) (Ingolstadt : F₅ type)

< 5-2>

()		
0	Central pressure lubrication	Tellus oil 33
	Front roller metal bearing(bottom)	"
25	Fluted roller metal bearing(2 nd , 3 rd , bottom)	Tellus oil 33
	Spindle collar bearing	Spindle oil 35
	Bobbin wheel	Tellus oil 33

	Telescopic shaft	Tollus oil 33
50	Tranerse motion drive	Tellus oil 33
	Builder motion	"
100	Spindle foot bearing* ()	Spindle oil 35
	Guide rail to bobbin rail ()	Alvania grease #2
	Assisting roller, chain drive	Tellus oil 33
500	Spindle foot bearing*	Spindle oil 35
	Guide rail to bobbin rail	Alvania grease #2
1,000	Fluted roller needle bearing **	Alvania grease #2
	Draft system drive	"
1,500	Differential motion oil change	Macoma oil 72
	Bottom driving head to telescopic	Tellus oil 33
10,000	Bearing to bobbin drive shaft	Alvania grease #2
	Bearing to spindle drive shaft	"
	Chain tension pulleys	"
	All other gearing point***	"

: *

**

가

, (threaded)

20,000

가