Fig.1

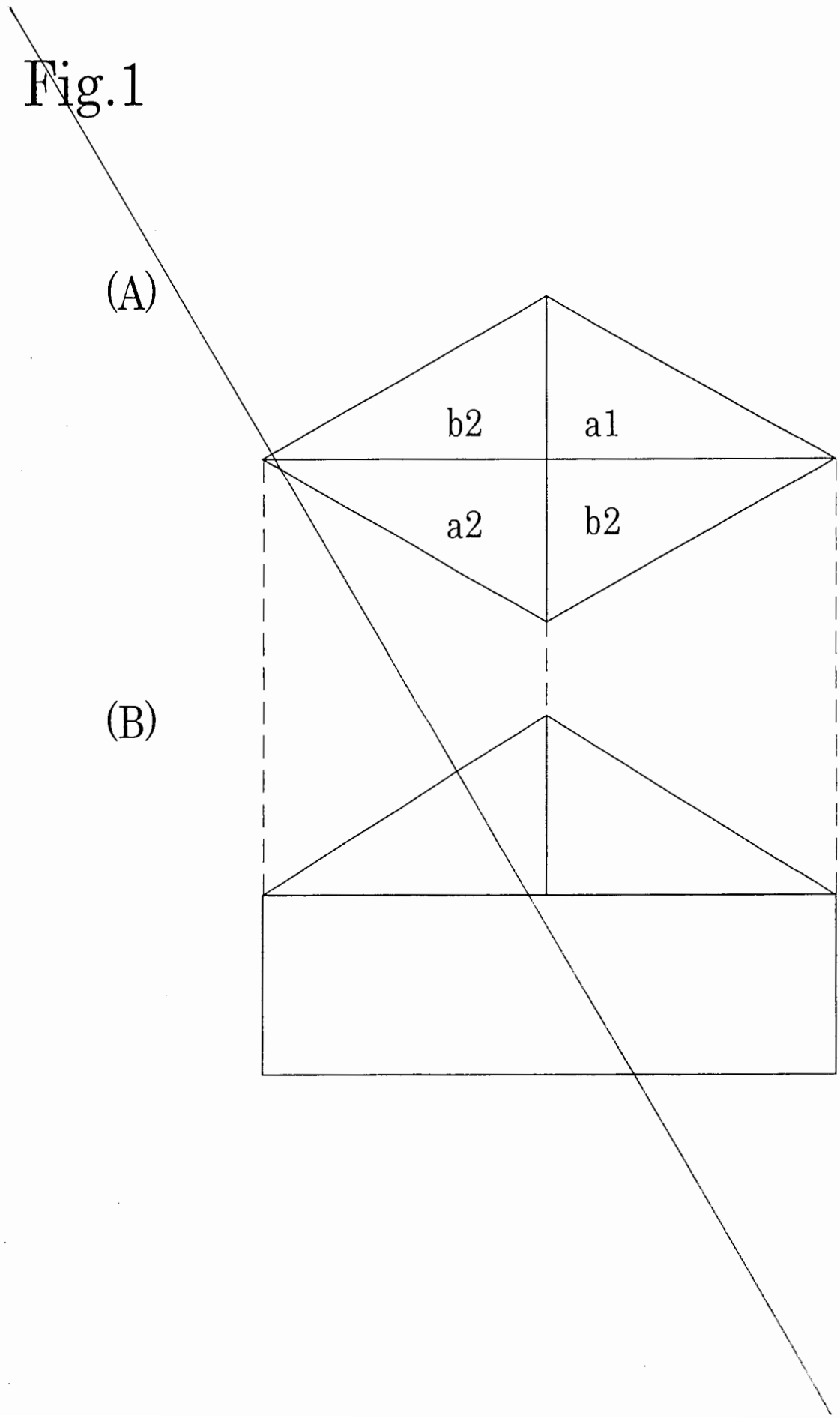


Fig.2

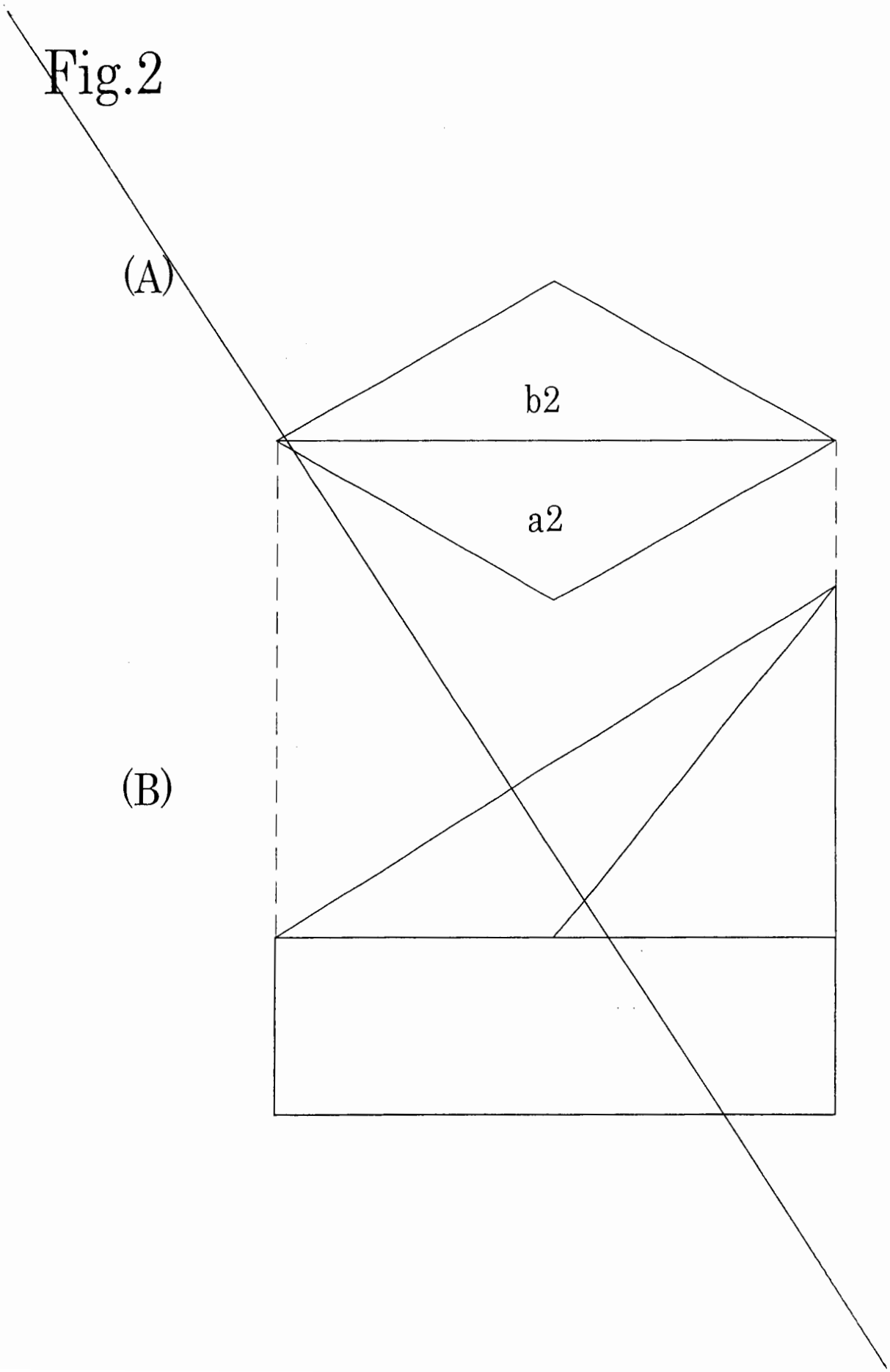


Fig.3

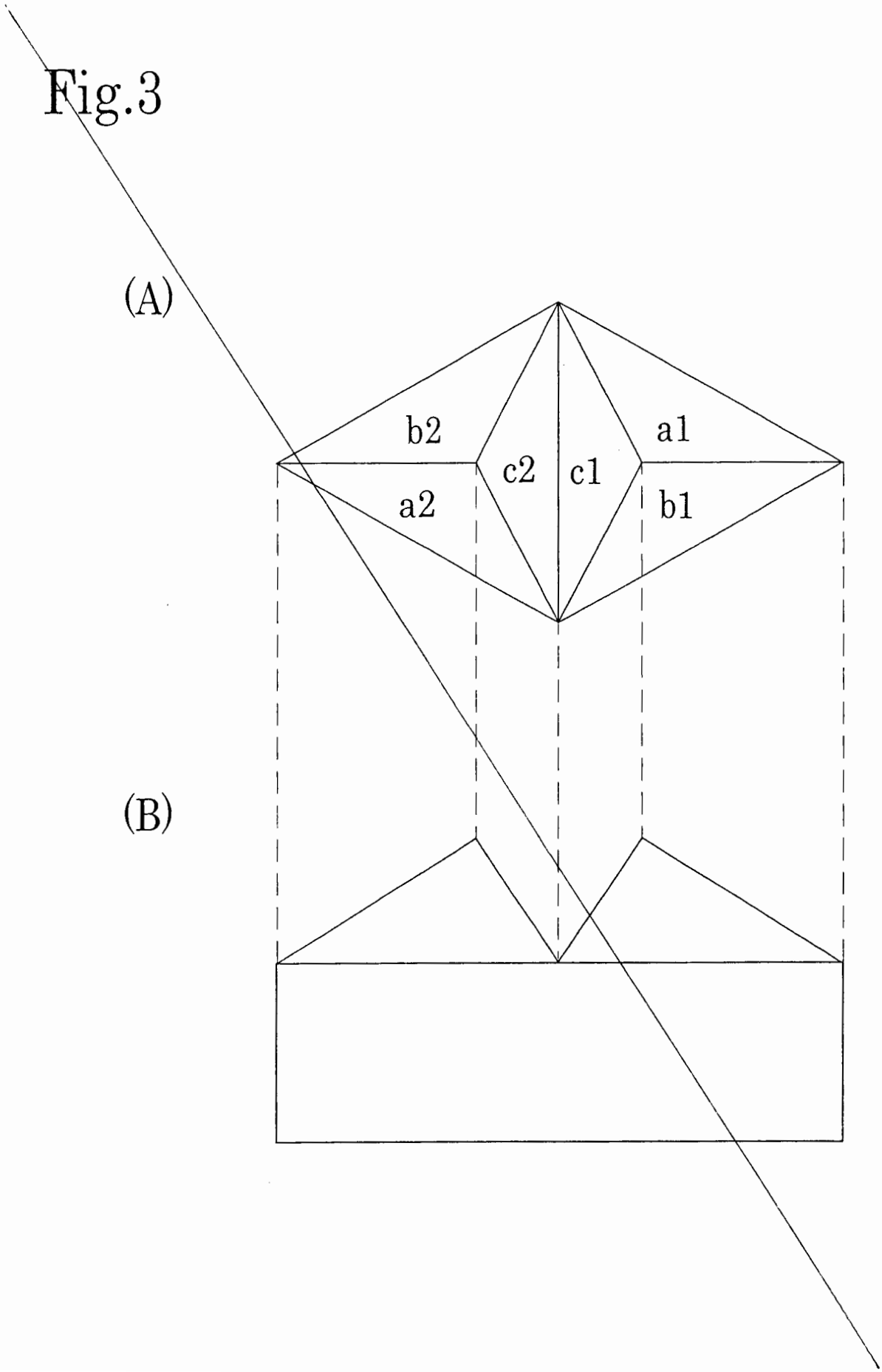
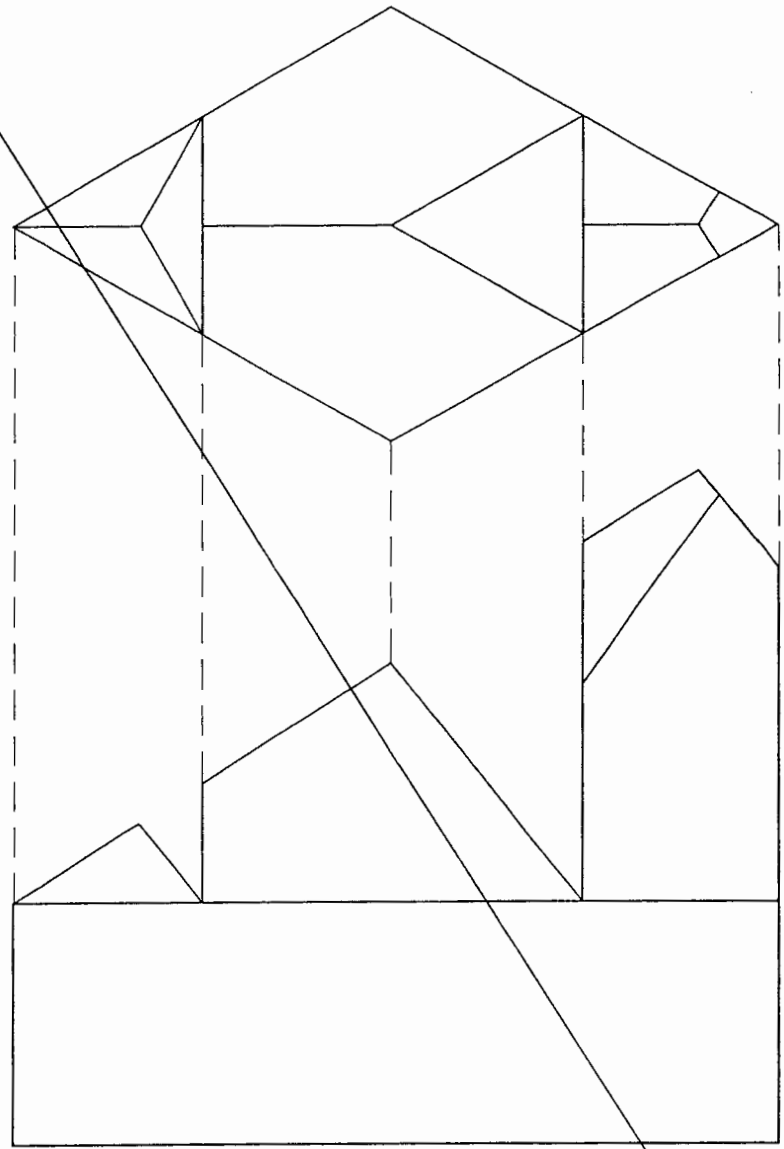


Fig.4

(A)



(B)

Fig.5

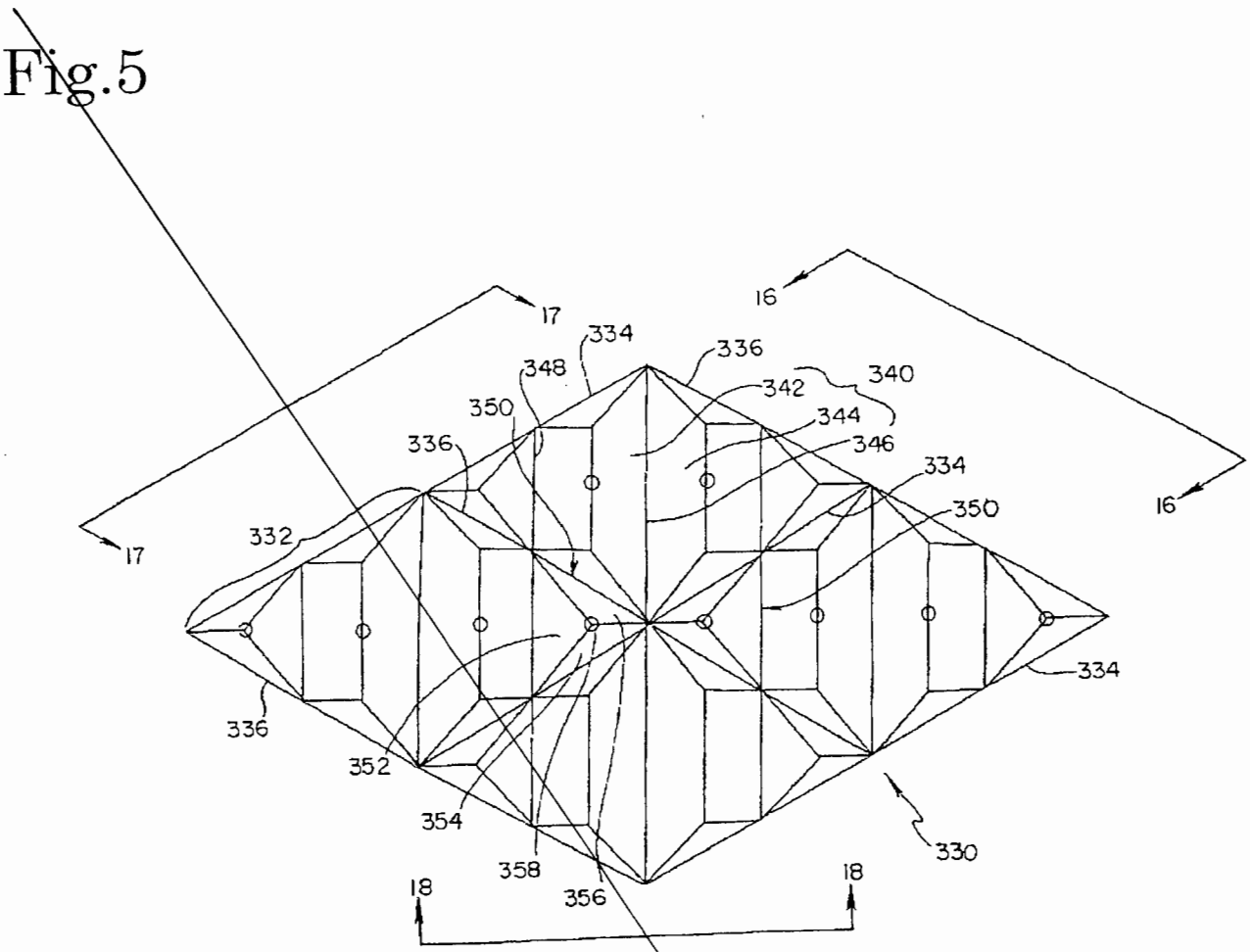

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330
18
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Fig.6

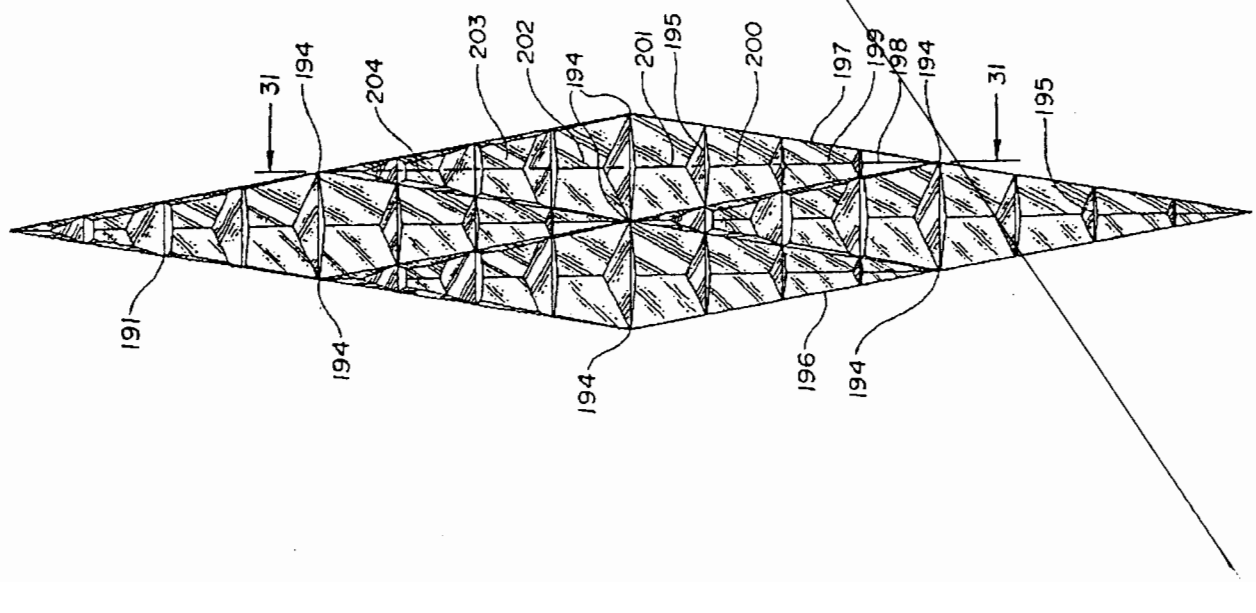

31
194
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202
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201
195
200
197
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198
194
31
195
191
194
194
196
194

Fig.7

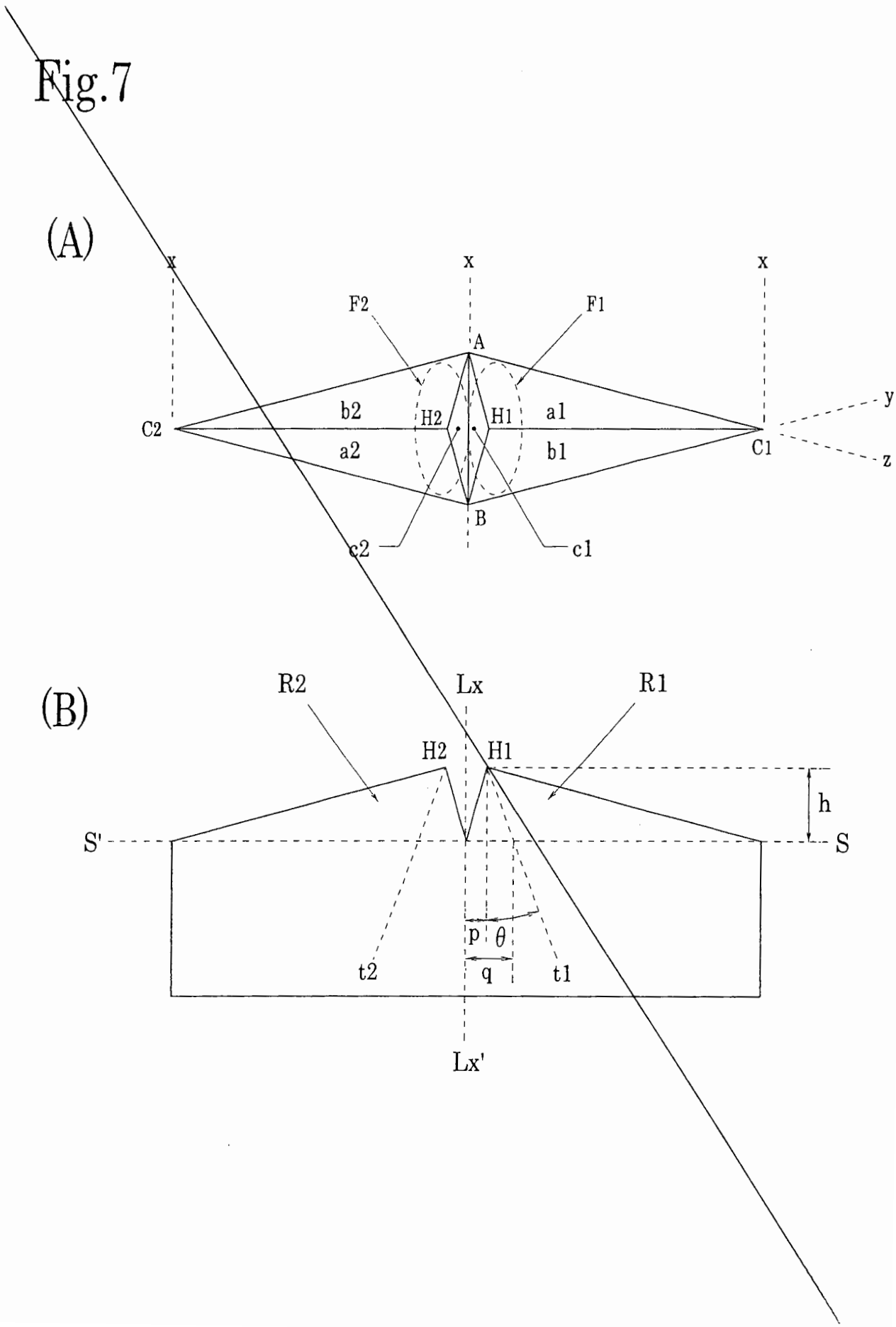

(A)
x
x
x
F2
F1
A
b2
H2
H1
a1
C2
a2
b1
C1
y
z
B
c2
c1
(B)
R2
Lx
R1
H2
H1
h
S'
S
p
θ
t2
q
t1
Lx'

Fig.8

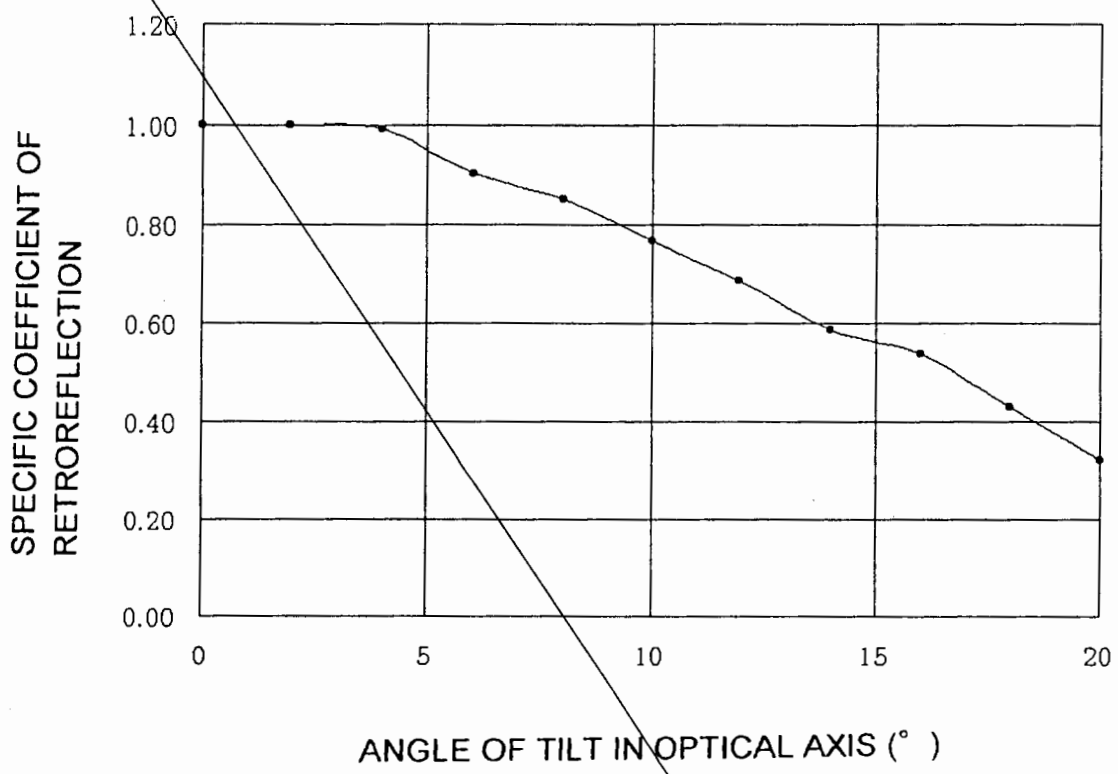

SPECIFIC COEFFICIENT OF RETROREFLECTION
1.20
1.00
0.80
0.60
0.40
0.20
0.00
0
5
10
15
20
ANGLE OF TILT IN OPTICAL AXIS (°)

Fig.9

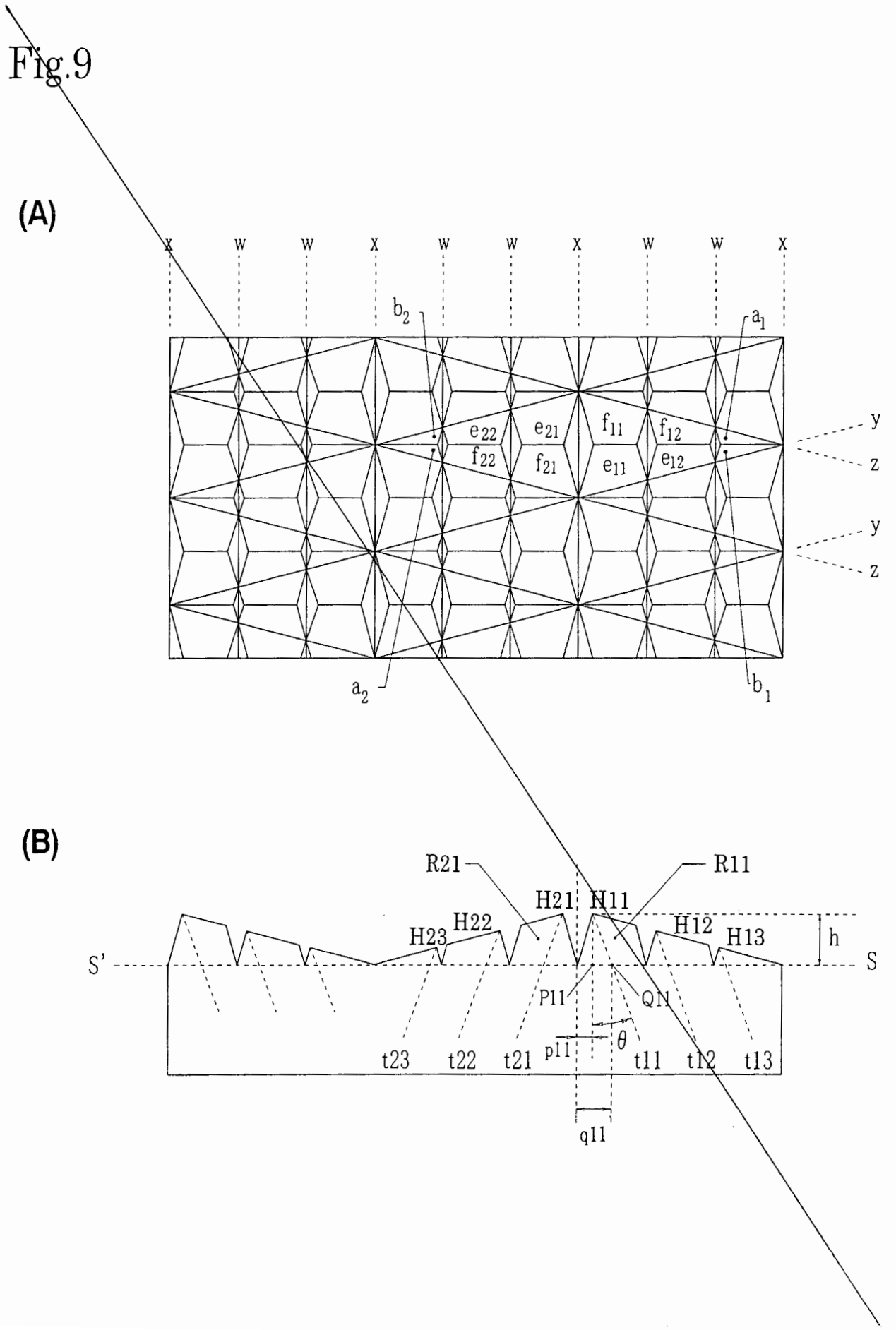

(A)
x
w
w
x
w
w
x
w
w
x
b2
a1
e22
e21
f11
f12
f22
f21
e11
e12
y
z
y
z
a2
b1
(B)
R21
R11
H21
H11
H23
H22
H12
H13
h
S'
S
P11
Q11
θ
t23
t22
t21
p11
t11
t12
t13
q11

Fig.10

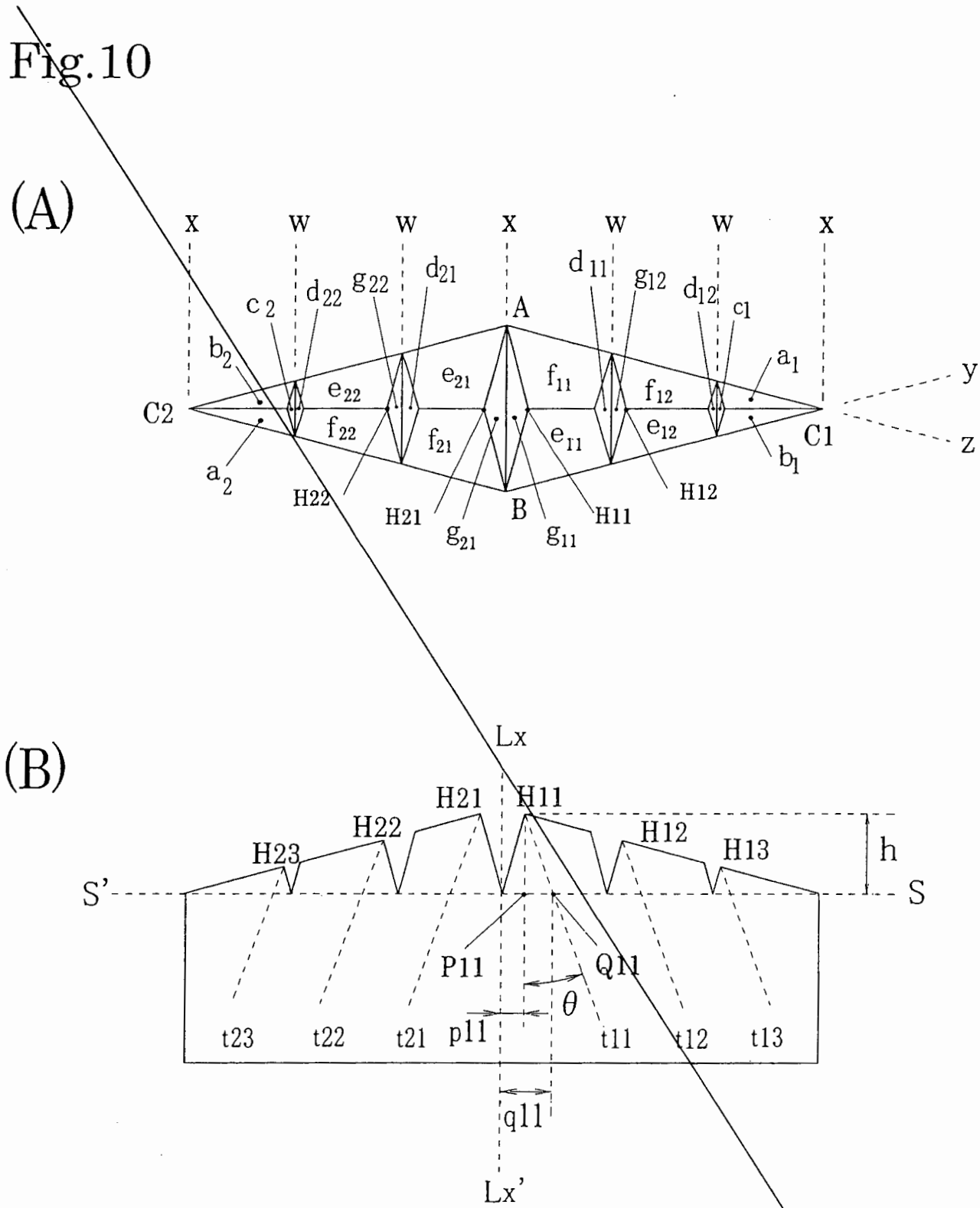

(A)
X
W
W
X
W
W
X
c 2
d22
g22
d21
A
d 11
g12
d12
c1
b2
a1
y
C2
e22
e21
f11
f12
f22
f21
e11
e12
C1
z
a2
b1
H22
H21
B
H11
H12
g21
g11
(B)
Lx
H21
H11
H22
H12
H23
H13
h
S'
S
P11
Q11
θ
t23
t22
t21
p11
t11
t12
t13
q11
Lx'

Fig.11

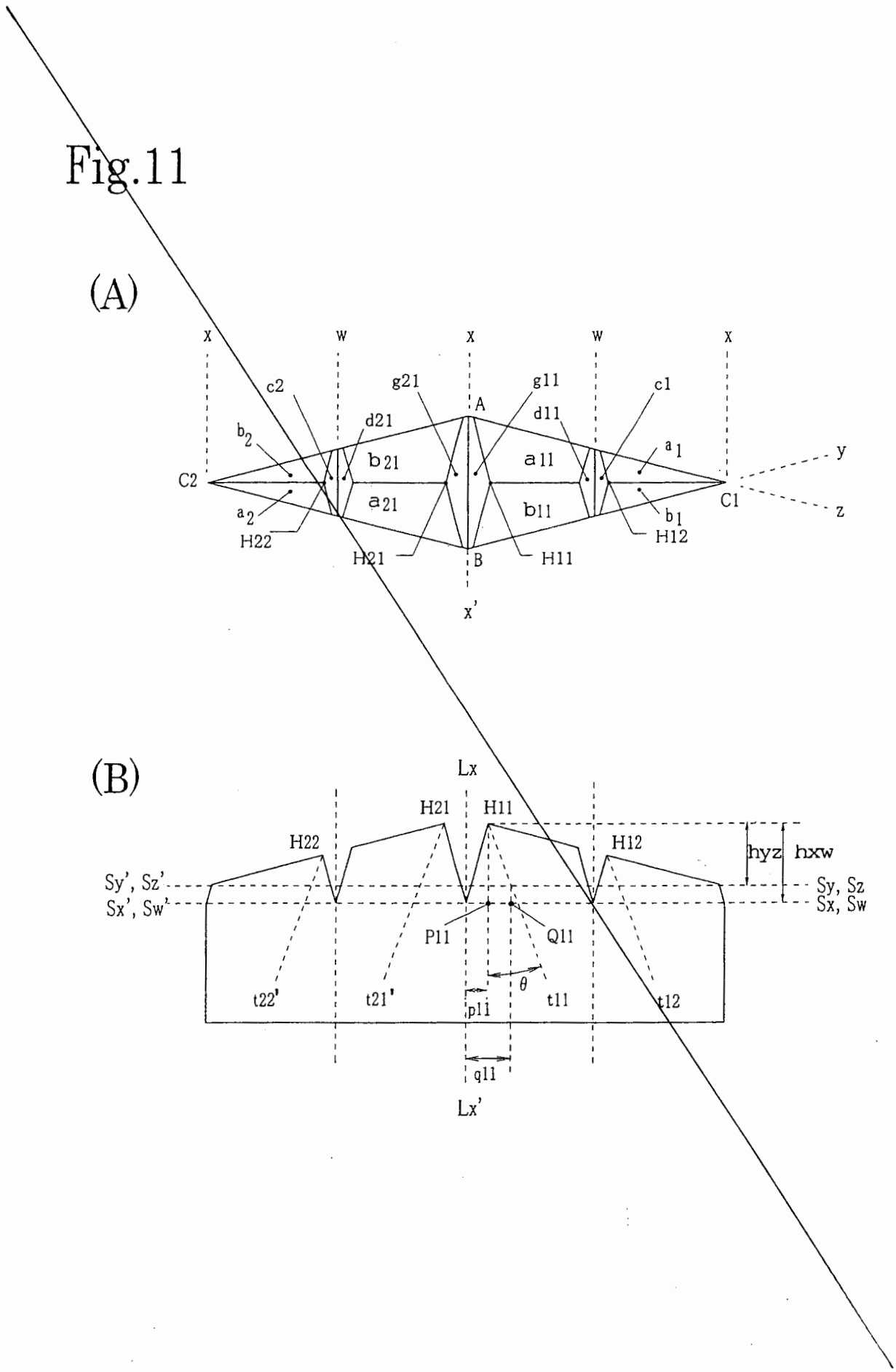

(A)
X
W
X
W
X
c2
g21
g11
c1
A
d21
d11
b2
a1
b21
a11
y
C2
a21
b11
C1
a2
b1
z
H22
H12
H21
B
H11
x'
(B)
Lx
H21
H11
H22
H12
hyz
hxw
Sy', Sz'
Sx', Sw'
Sy, Sz
Sx, Sw
P11
Q11
θ
t22'
t21'
p11
t11
t12
q11
Lx'

Fig.12

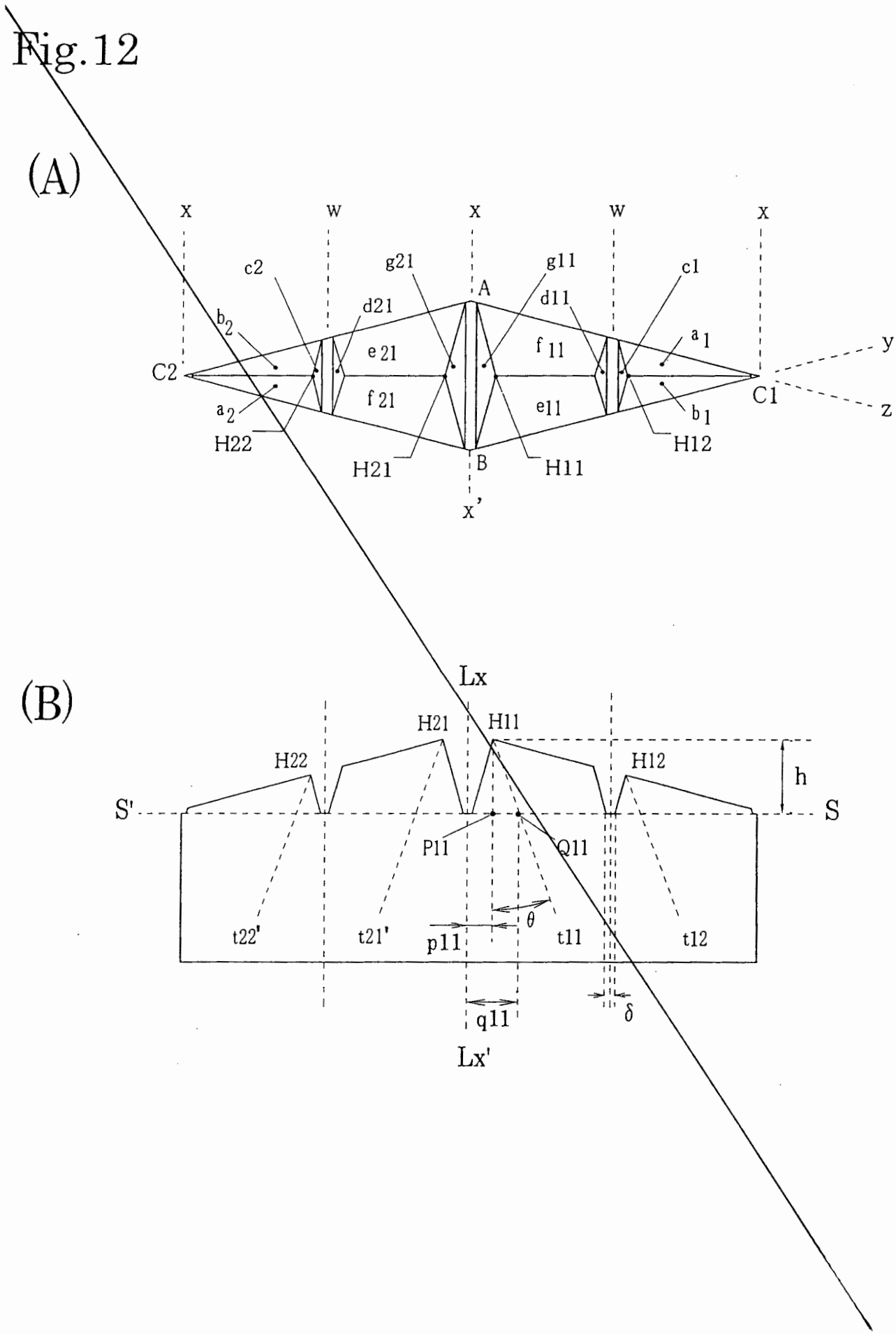

(A)
X
W
X
W
X
c2
g21
g11
c1
A
d21
d11
b2
a1
y
C2
e21
f11
f21
e11
C1
a2
b1
z
H22
H21
B
H11
H12
X'
(B)
Lx
H21
H11
H22
H12
h
S'
S
P11
Q11
θ
t22'
t21'
p11
t11
t12
q11
δ
Lx'

Fig.13

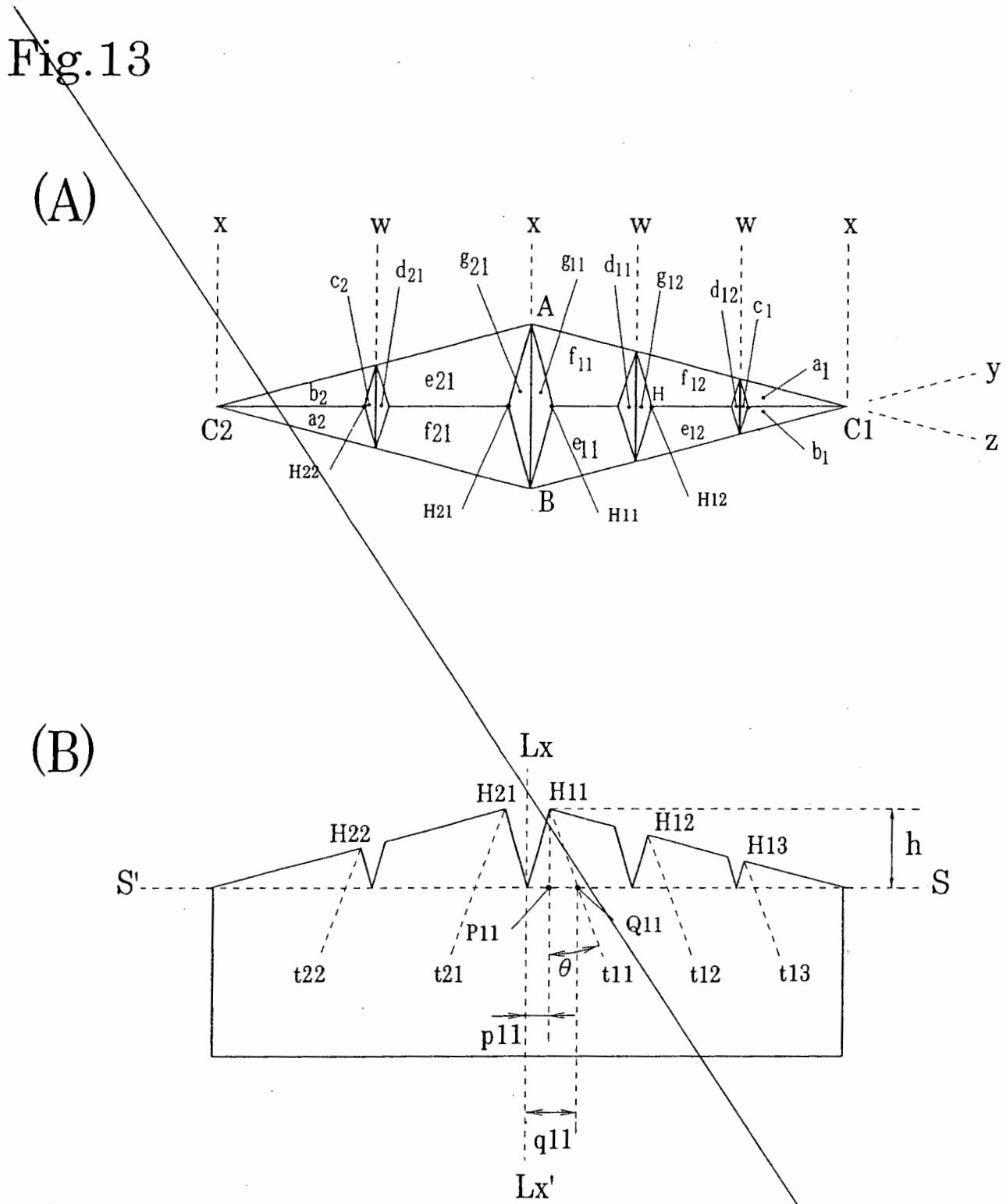

(A)
X
W
X
W
W
X
c2
d21
g21
g11
d11
g12
d12
c1
A
f11
a1
y
b2
e21
H
f12
a2
C2
f21
e11
e12
C1
b1
z
H22
H21
B
H11
H12
(B)
Lx
H21
H11
H22
H12
H13
h
S'
S
P11
Q11
t22
t21
θ
t11
t12
t13
p11
q11
Lx'

Fig.14

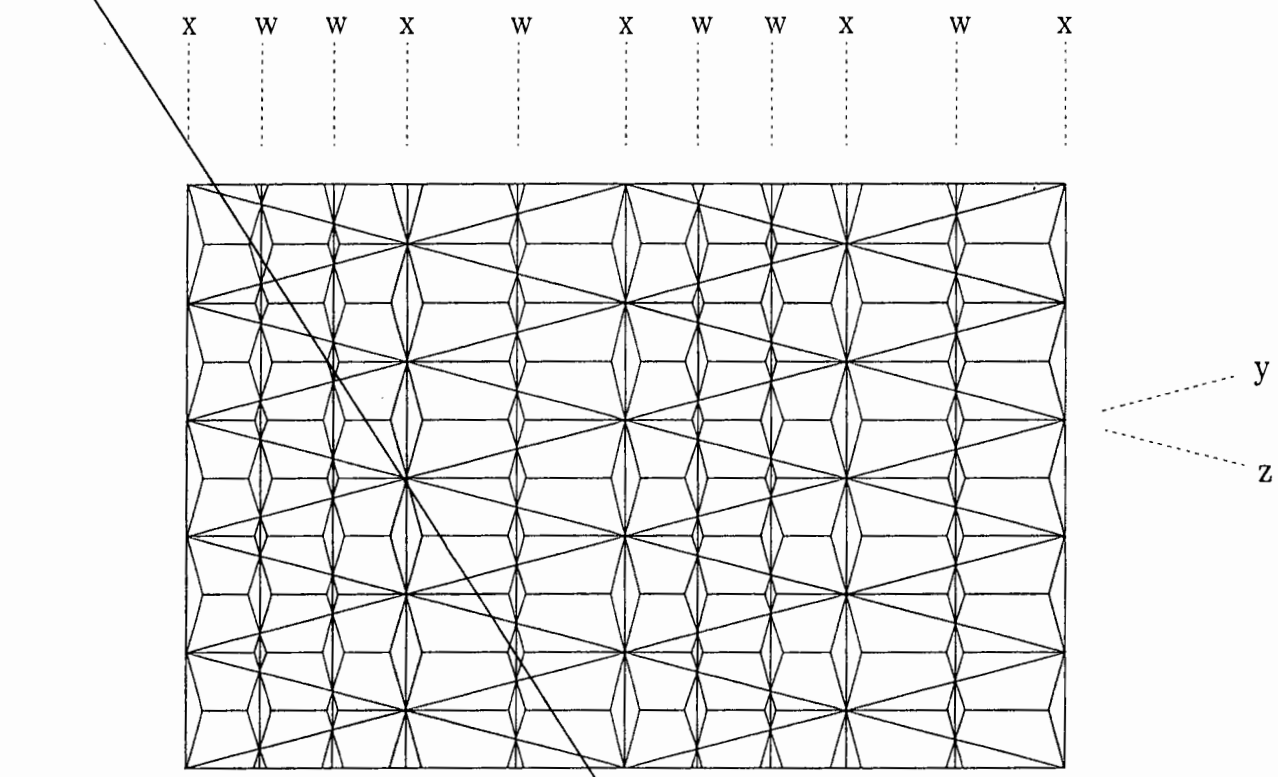


Fig.15

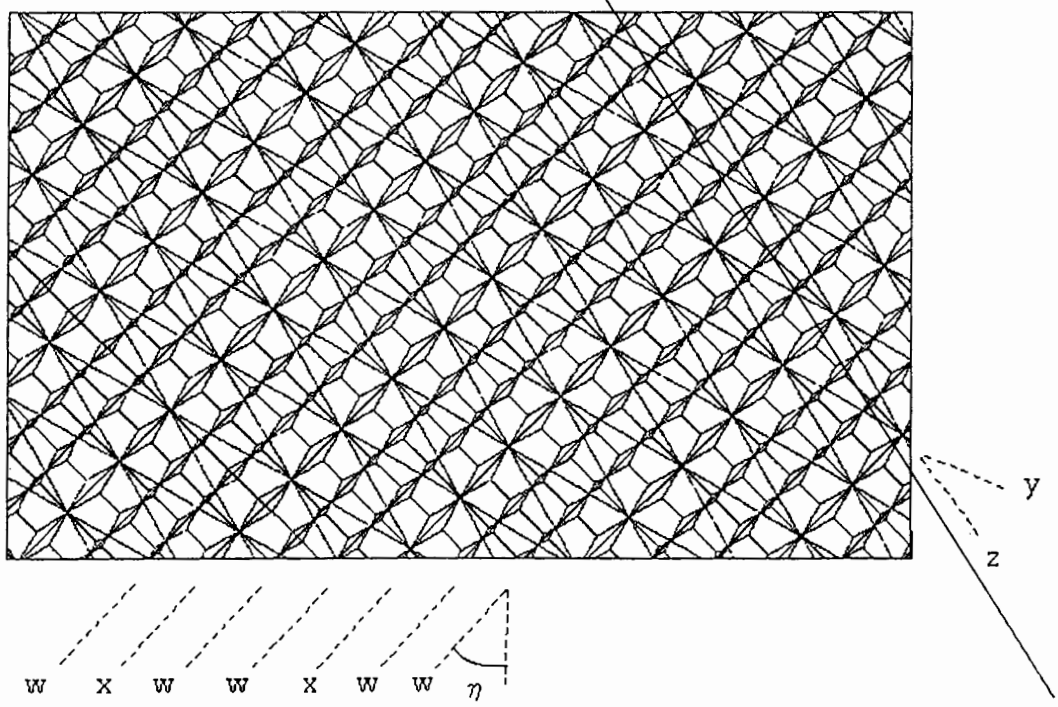


Fig.16

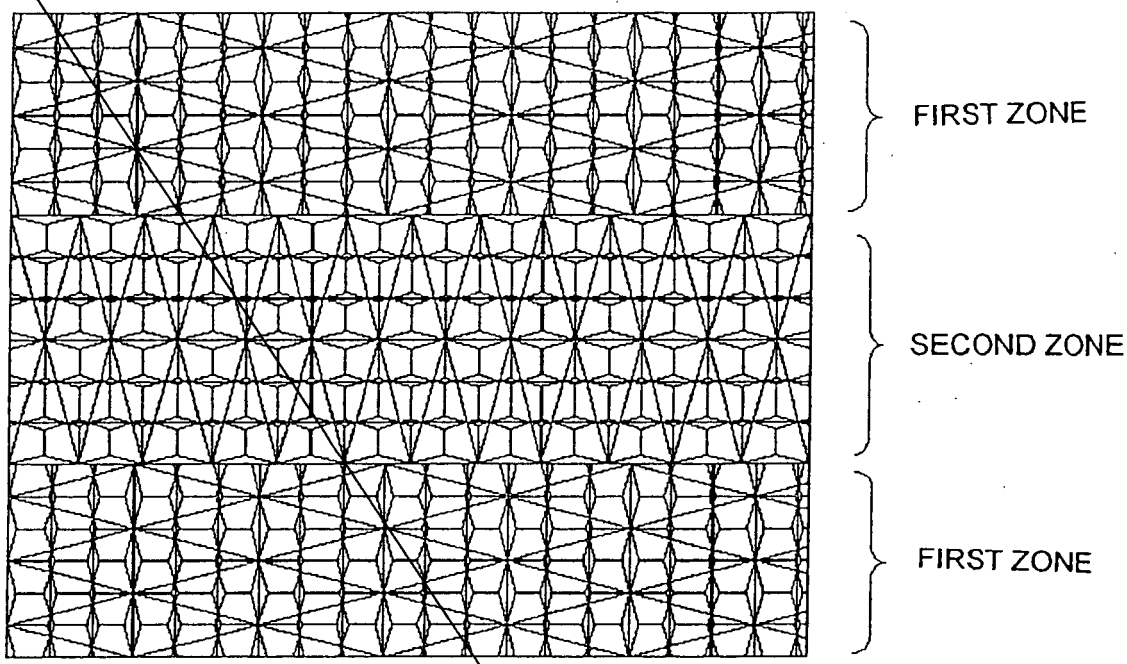


Fig.17

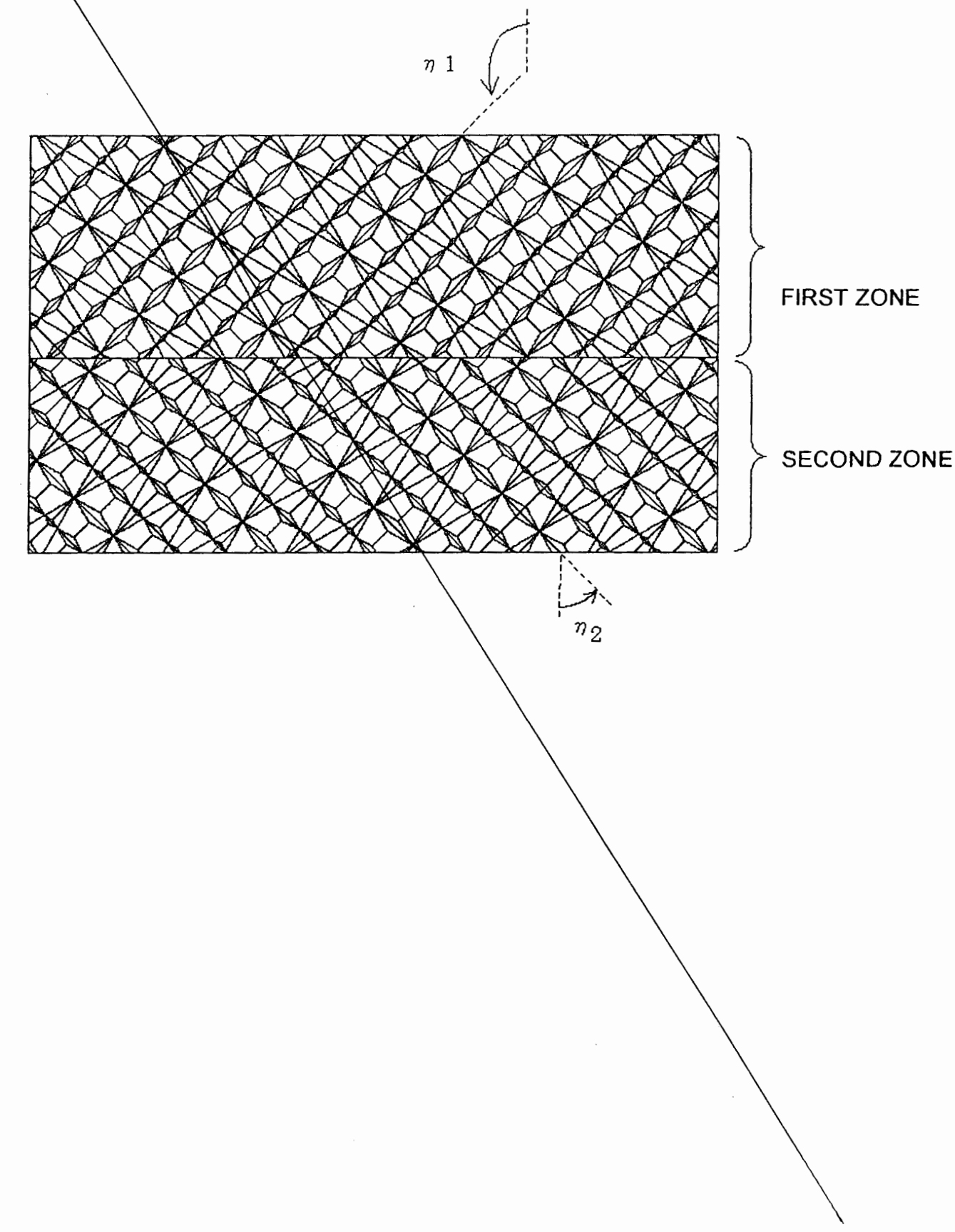


Fig.18

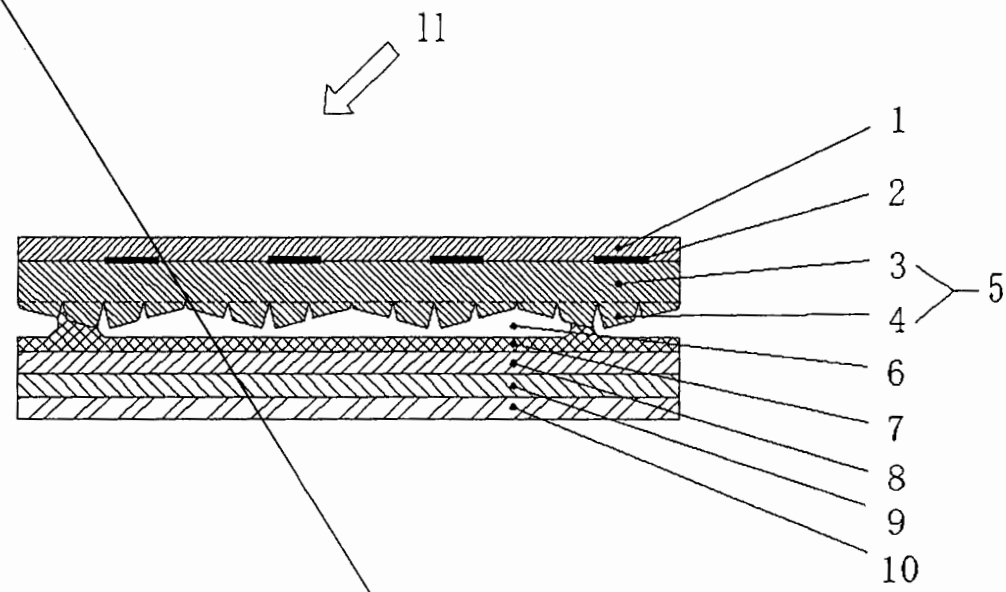


Fig.19

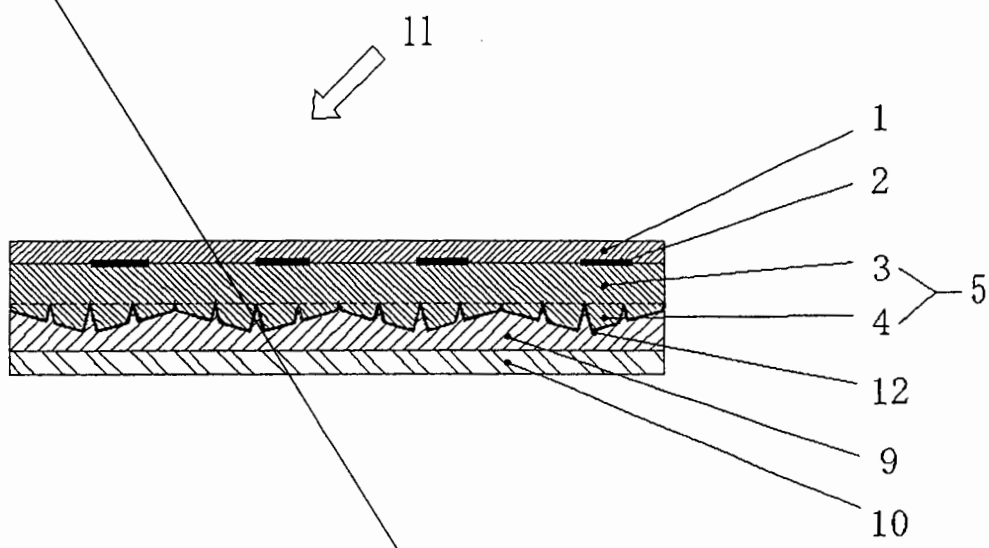
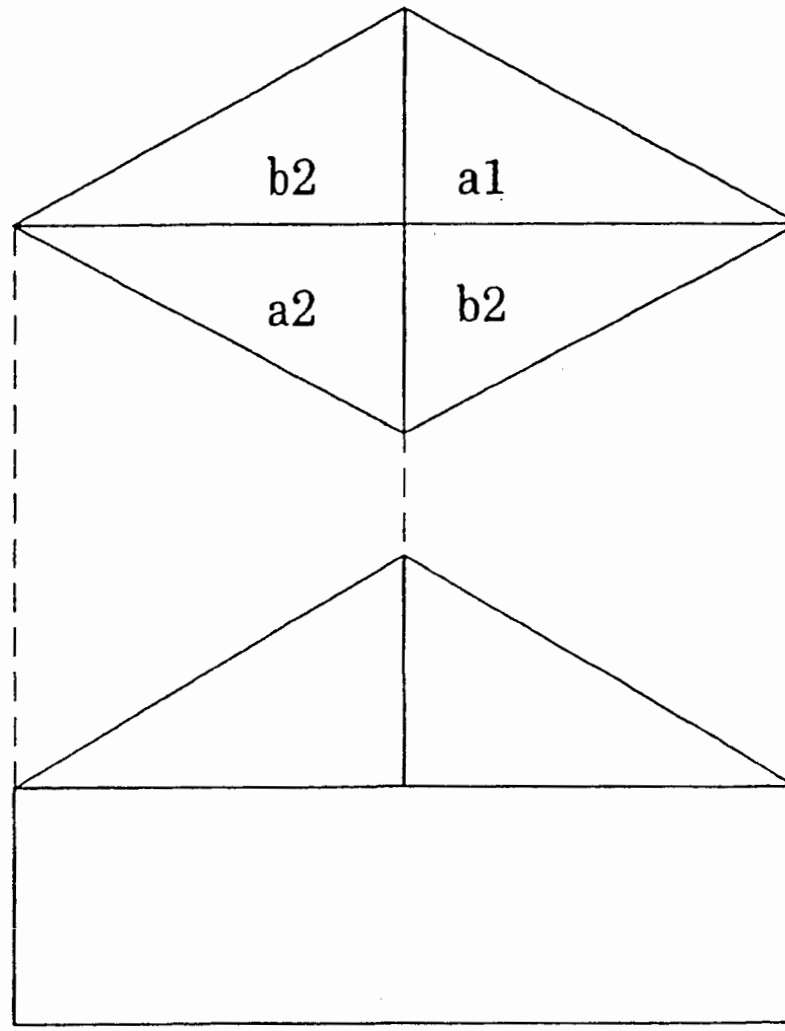


Fig.1

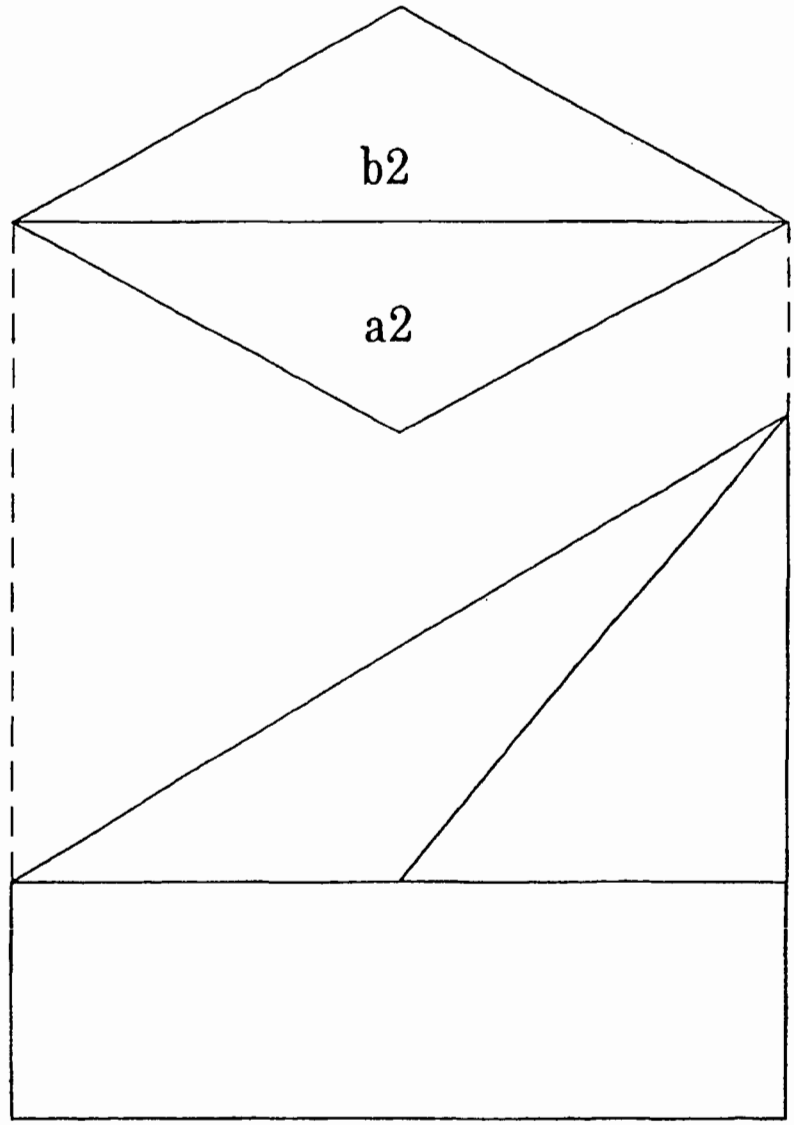
(A)



(B)

Fig.2

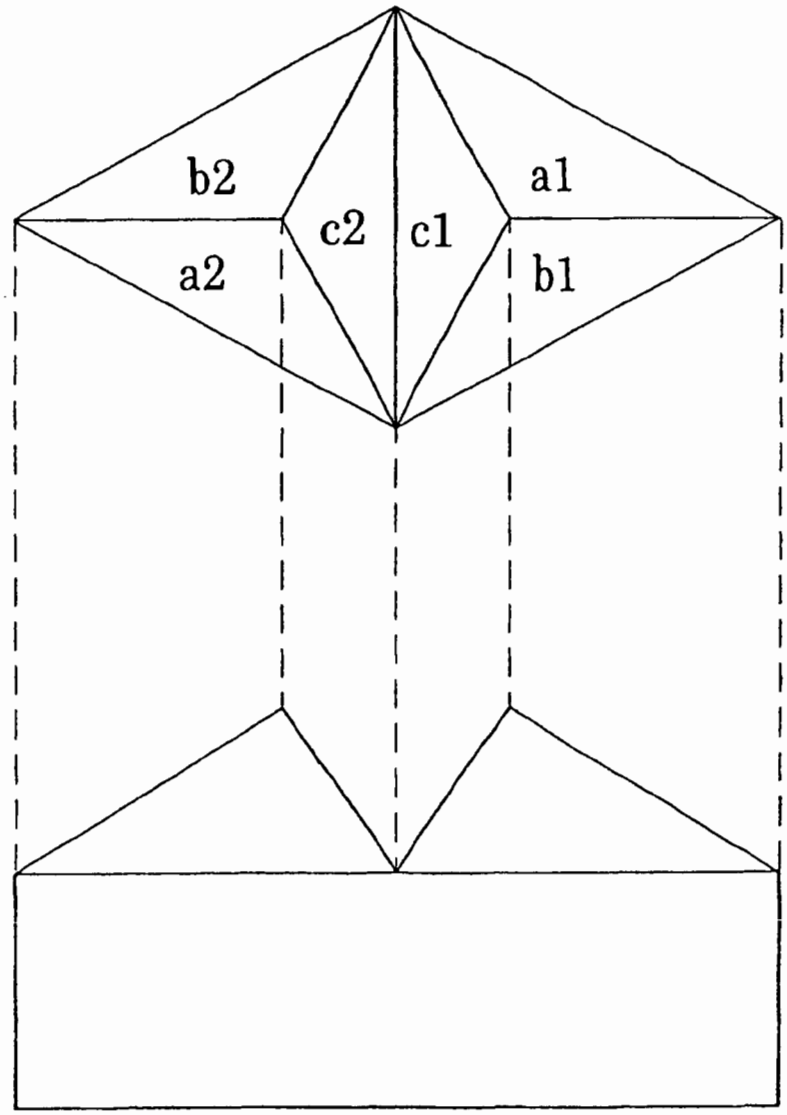
(A)



(B)

Fig.3

(A)



(B)

Fig.4

(A)

(B)

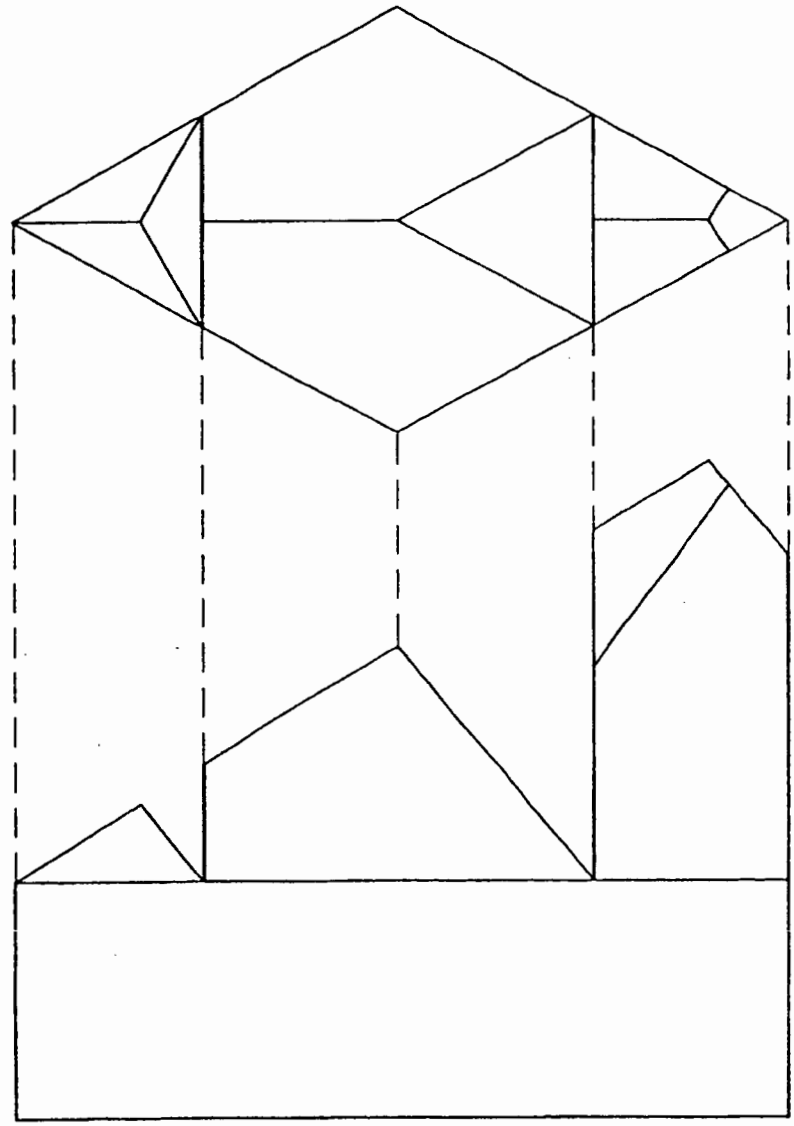


Fig.5

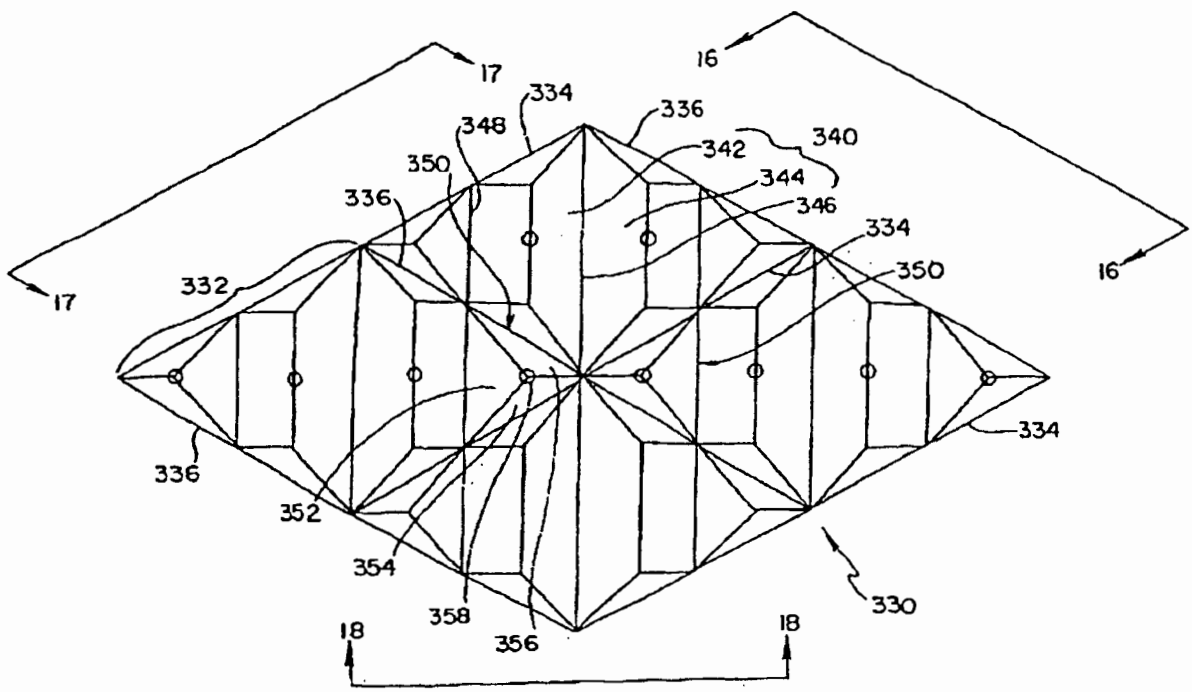

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Fig.6

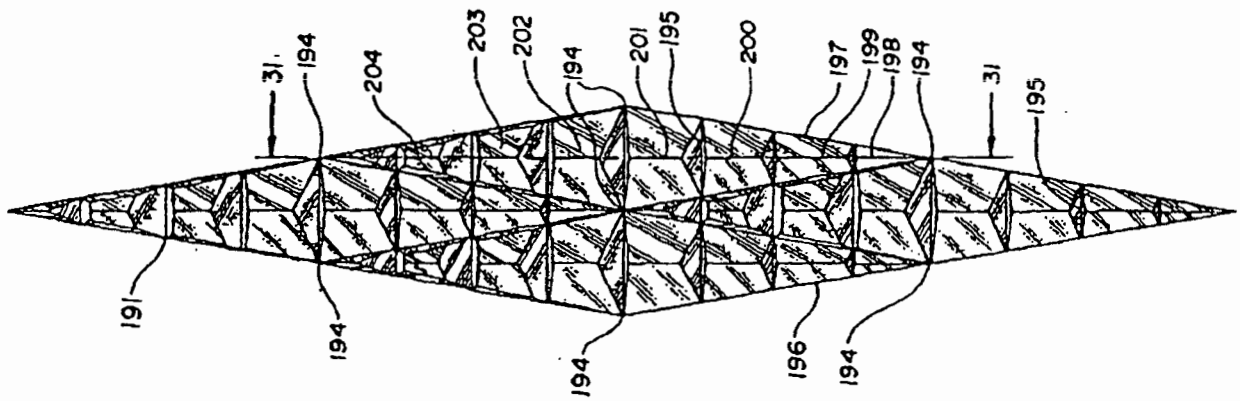
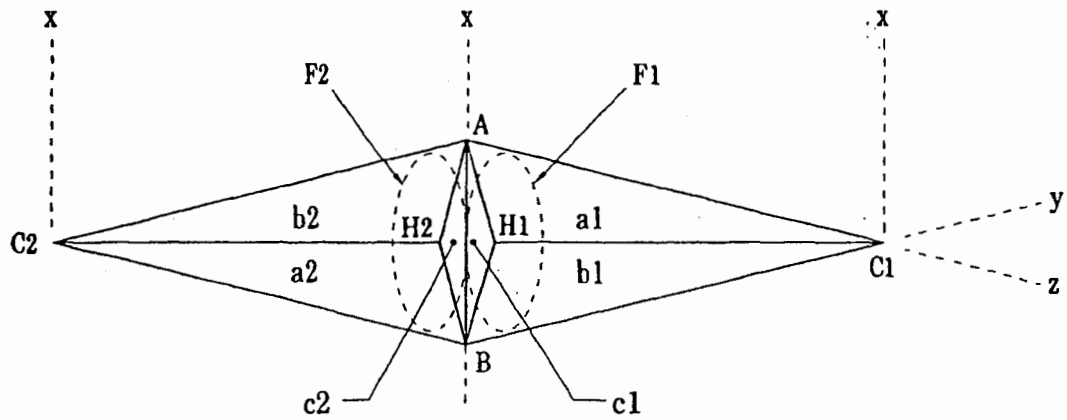

31
194
204
203
202
194
201
195
200
197
199
198
194
31
195
191
194
194
196
194

Fig.7

(A)


x
x
x
F2
F1
A
b2
H2
H1
a1
C2
a2
b1
C1
y
z
B
c2
c1

(B)

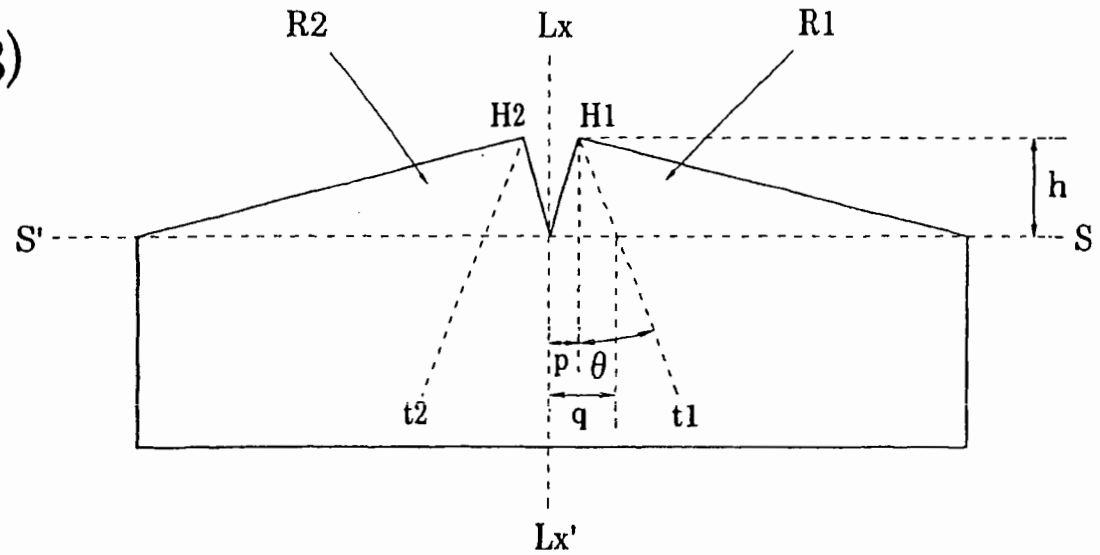

R2
Lx
R1
H2
H1
h
S'
S
p
θ
t2
q
t1
Lx'

Fig.8

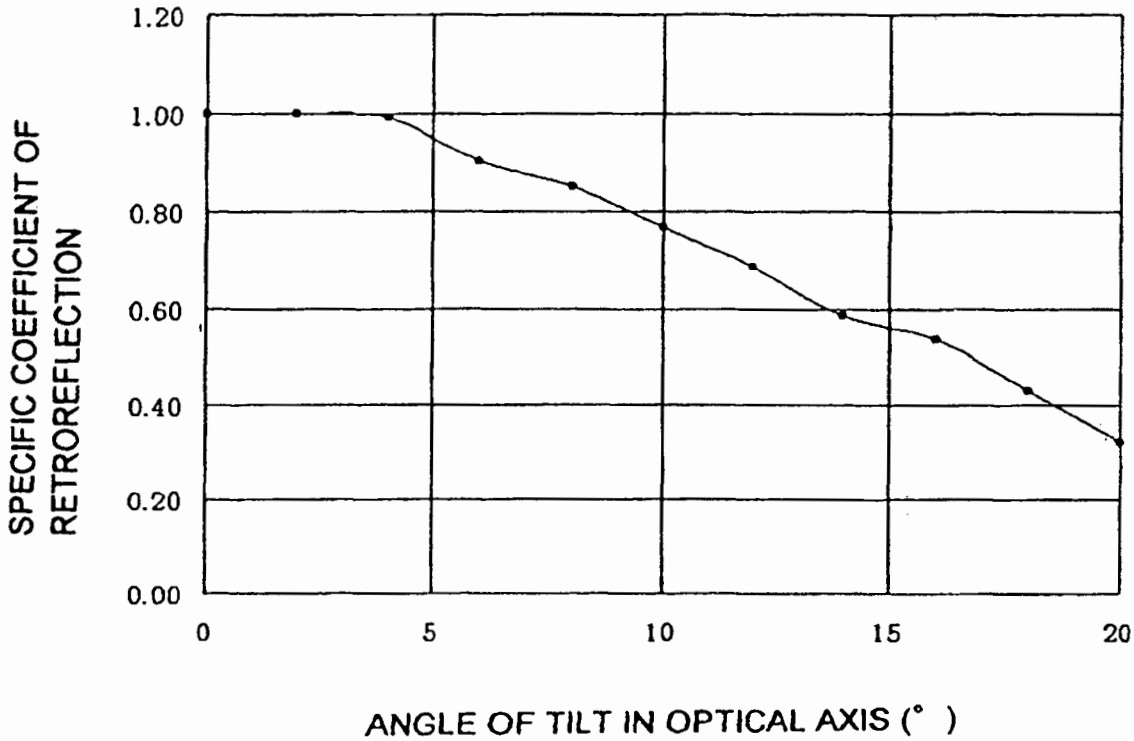
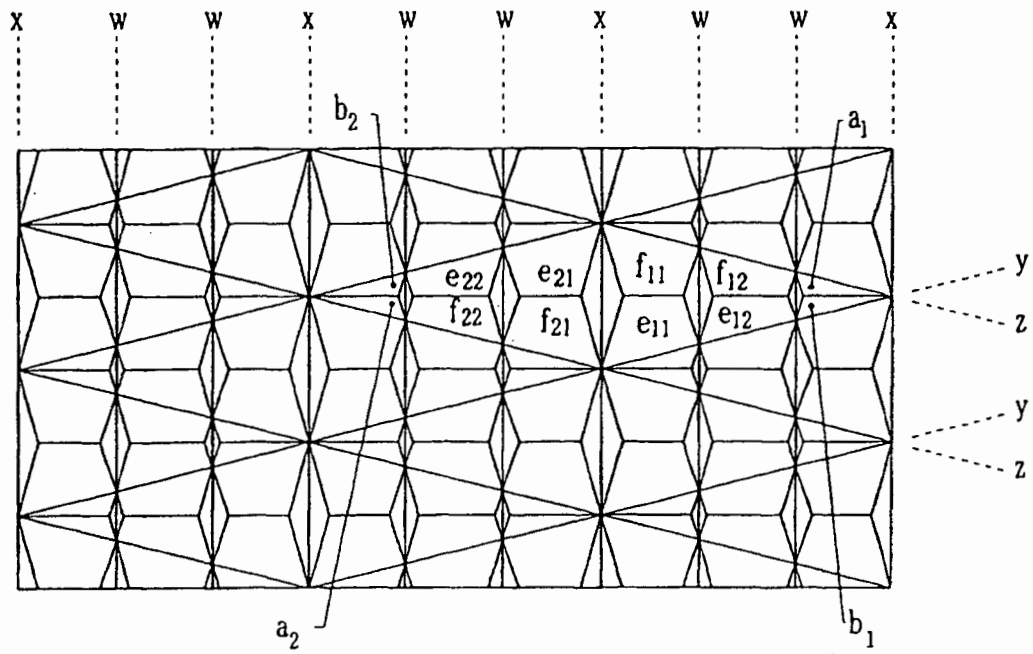

1.20
1.00
0.80
0.60
0.40
0.20
0.00
SPECIFIC COEFFICIENT OF RETROREFLECTION
0
5
10
15
20
ANGLE OF TILT IN OPTICAL AXIS (°)

Fig.9

(A)


x
w
w
x
w
w
x
w
w
x
b2
a1
e22
e21
f11
f12
f22
f21
e11
e12
y
z
y
z
a2
b1

(B)

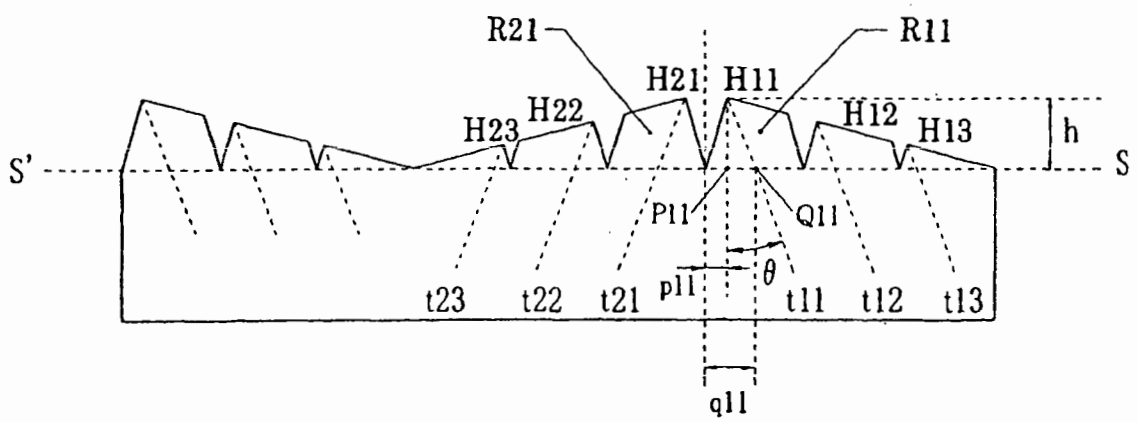
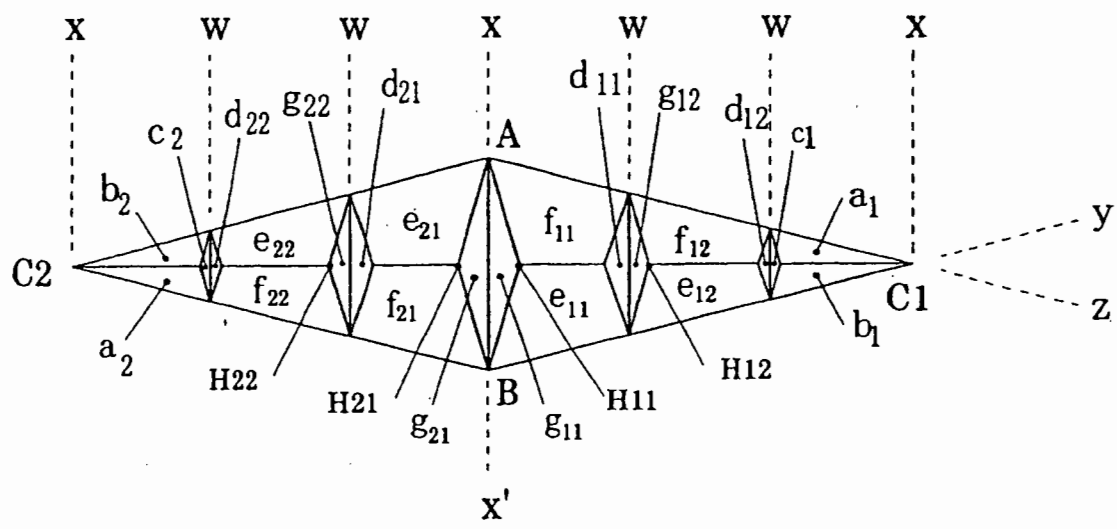

R21
R11
H21
H11
H23
H22
H12
H13
h
S'
S
P11
Q11
θ
t23
t22
t21
p11
t11
t12
t13
q11

Fig.10

(A)


X
W
W
X
W
W
X
A
B
C2
C1
y
z
x'
c_2
d_{22}
g_{22}
d_{21}
d_{11}
g_{12}
d_{12}
c_1
b_2
a_1
e_{22}
e_{21}
f_{11}
f_{12}
f_{22}
f_{21}
e_{11}
e_{12}
a_2
b_1
H22
H21
H11
H12
g_{21}
g_{11}

(B)

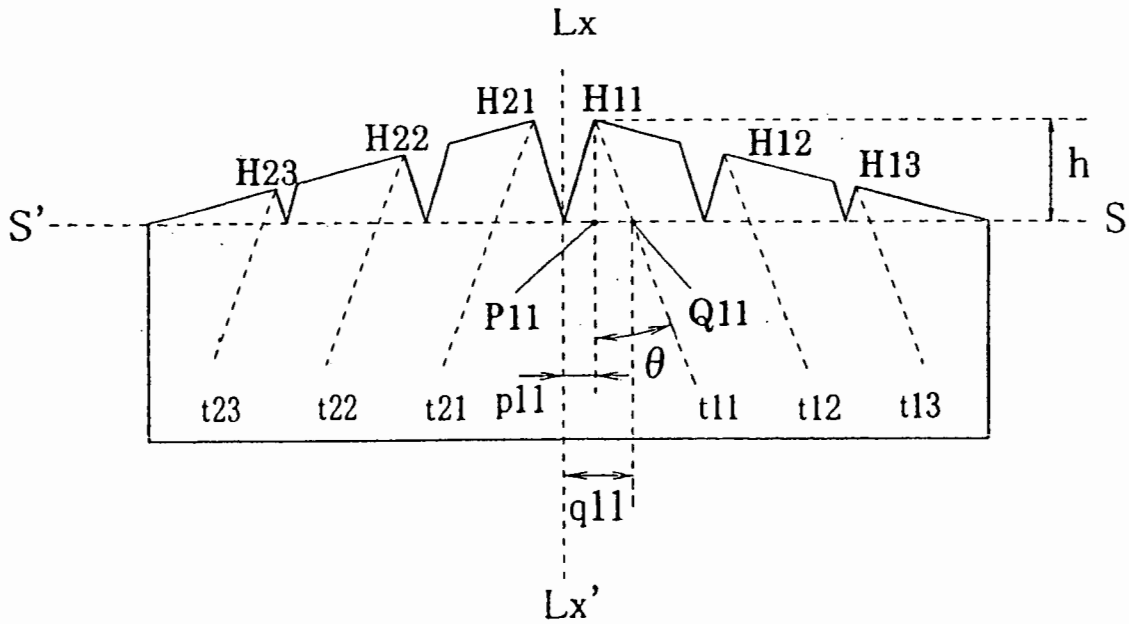
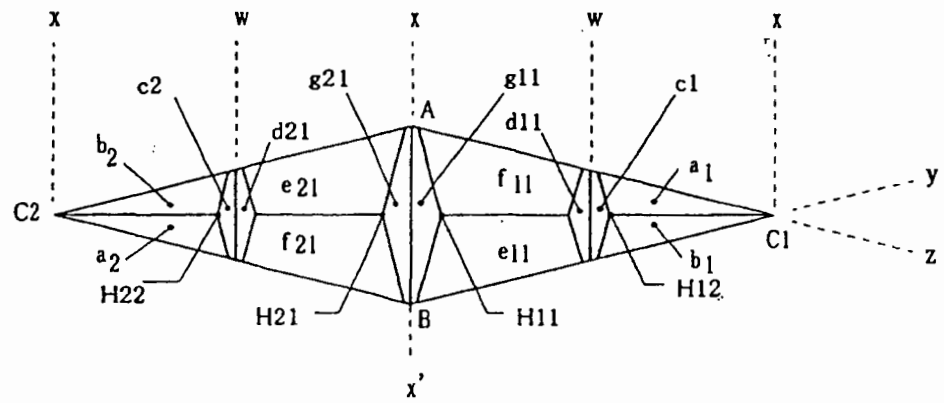

Lx
Lx'
S'
S
h
H23
H22
H21
H11
H12
H13
P11
Q11
θ
t23
t22
t21
p11
t11
t12
t13
q11

Fig.11

(A)


X
W
X
W
X
c2
g21
g11
c1
A
d21
d11
b2
a1
e21
f11
C2
f21
e11
C1
y
z
a2
b1
H22
H12
H21
B
H11
X'

(B)

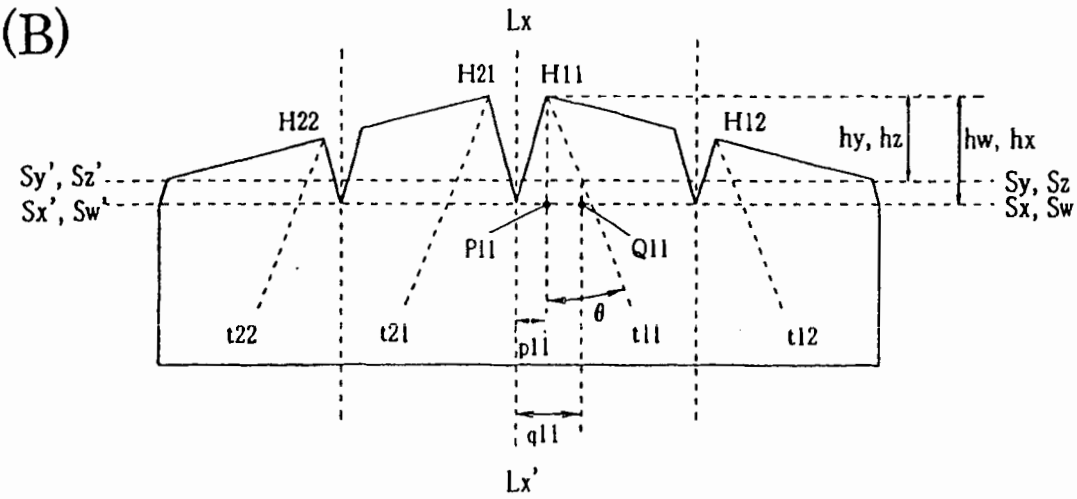
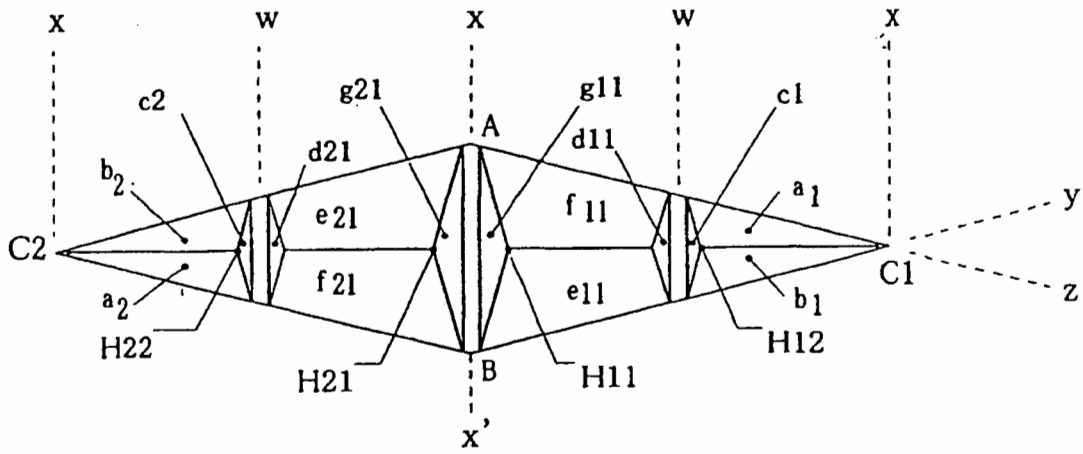

Lx
H21
H11
H22
H12
hy, hz
hw, hx
Sy', Sz'
Sx', Sw'
Sy, Sz
Sx, Sw
P11
Q11
θ
t22
t21
p11
t11
t12
q11
Lx'

Fig.12

(A)


x
w
x
w
x
c2
g21
g11
c1
A
d21
d11
b2
a1
y
e21
f11
C2
f21
e11
C1
a2
b1
z
H22
H12
H21
B
H11
x'

(B)

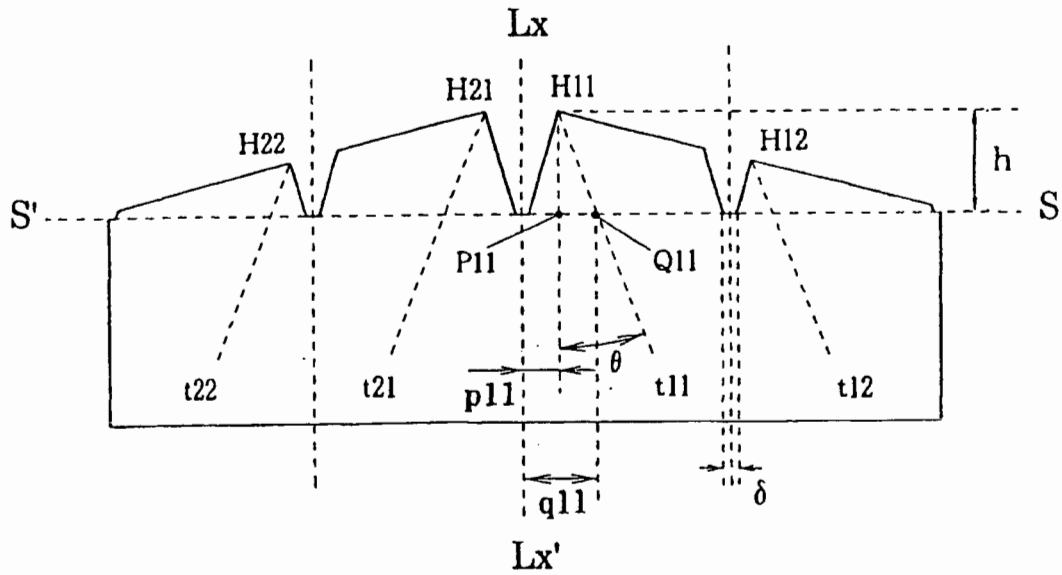
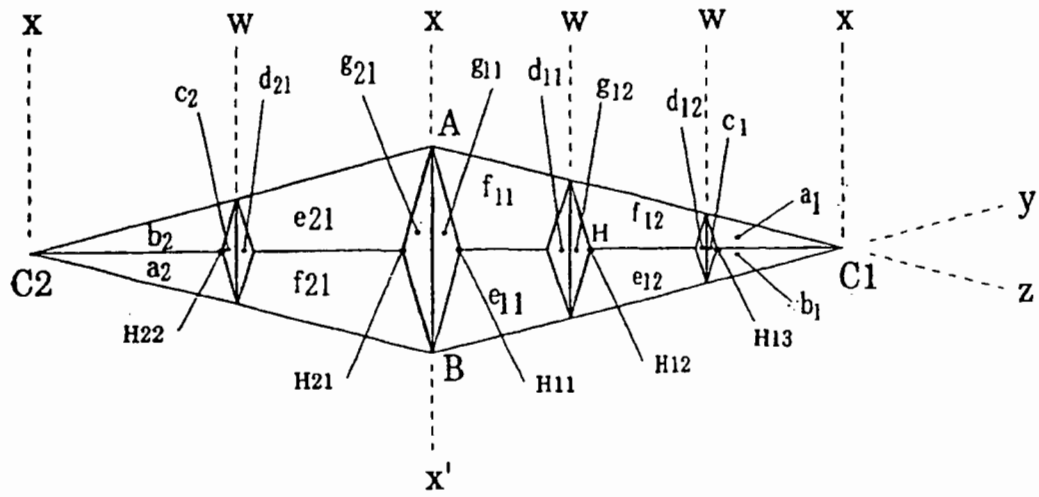

Lx
H21
H11
H22
H12
h
S'
S
P11
Q11
θ
t22
t21
p11
t11
t12
q11
δ
Lx'

Fig.13

(A)


X
W
X
W
W
X
c2
d21
g21
g11
d11
g12
d12
c1
A
f11
a1
y
e21
b2
H
f12
a2
f21
e11
e12
C2
C1
z
b1
H22
H13
H21
B
H11
H12
X'

(B)

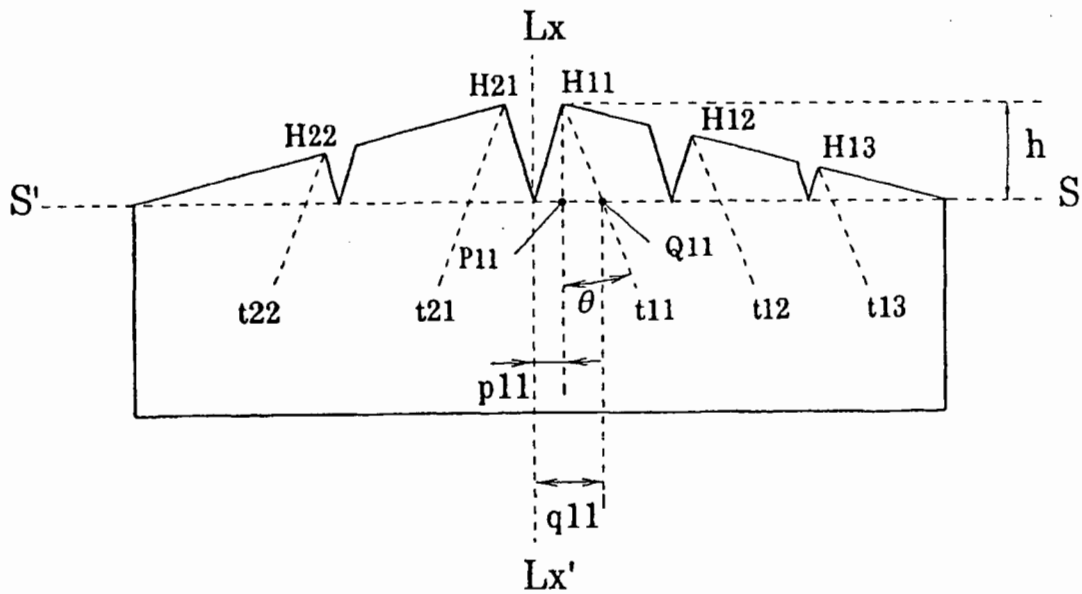

Lx
H21
H11
H22
H12
H13
h
S'
S
P11
Q11
t22
t21
θ
t11
t12
t13
p11
q11
Lx'

Fig.14

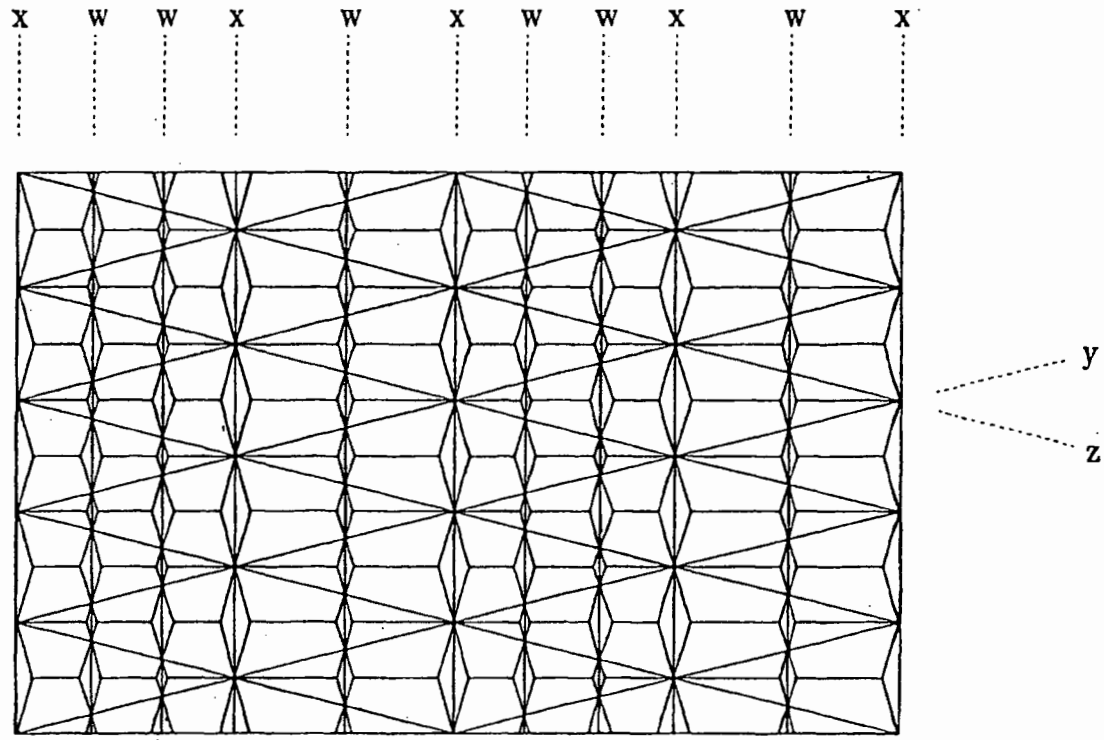


Fig.15

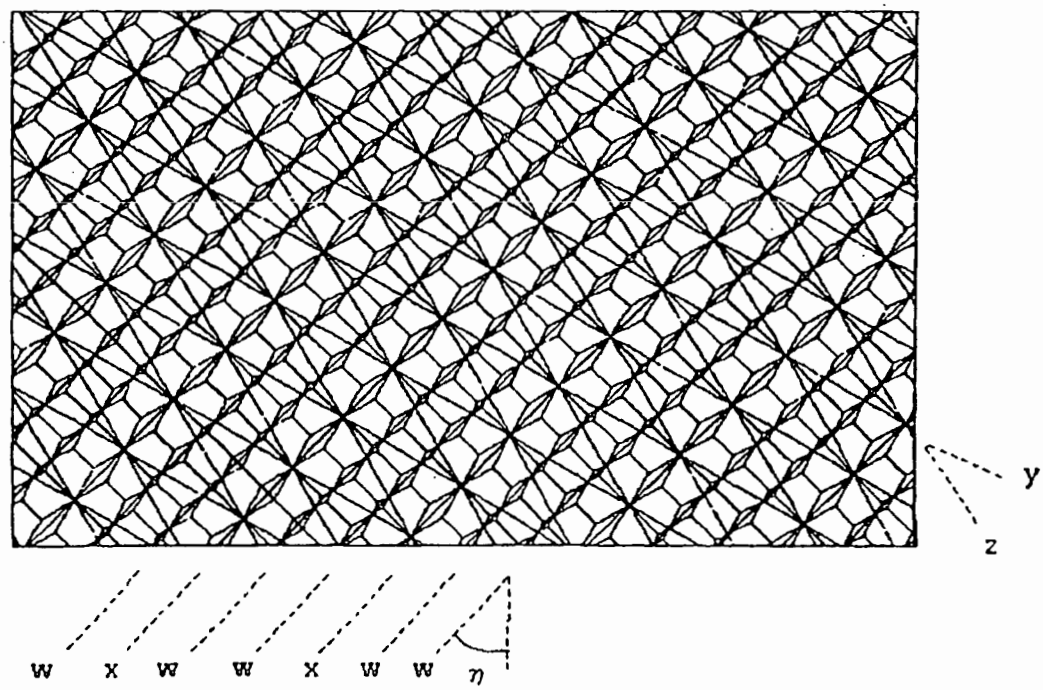


Fig.16

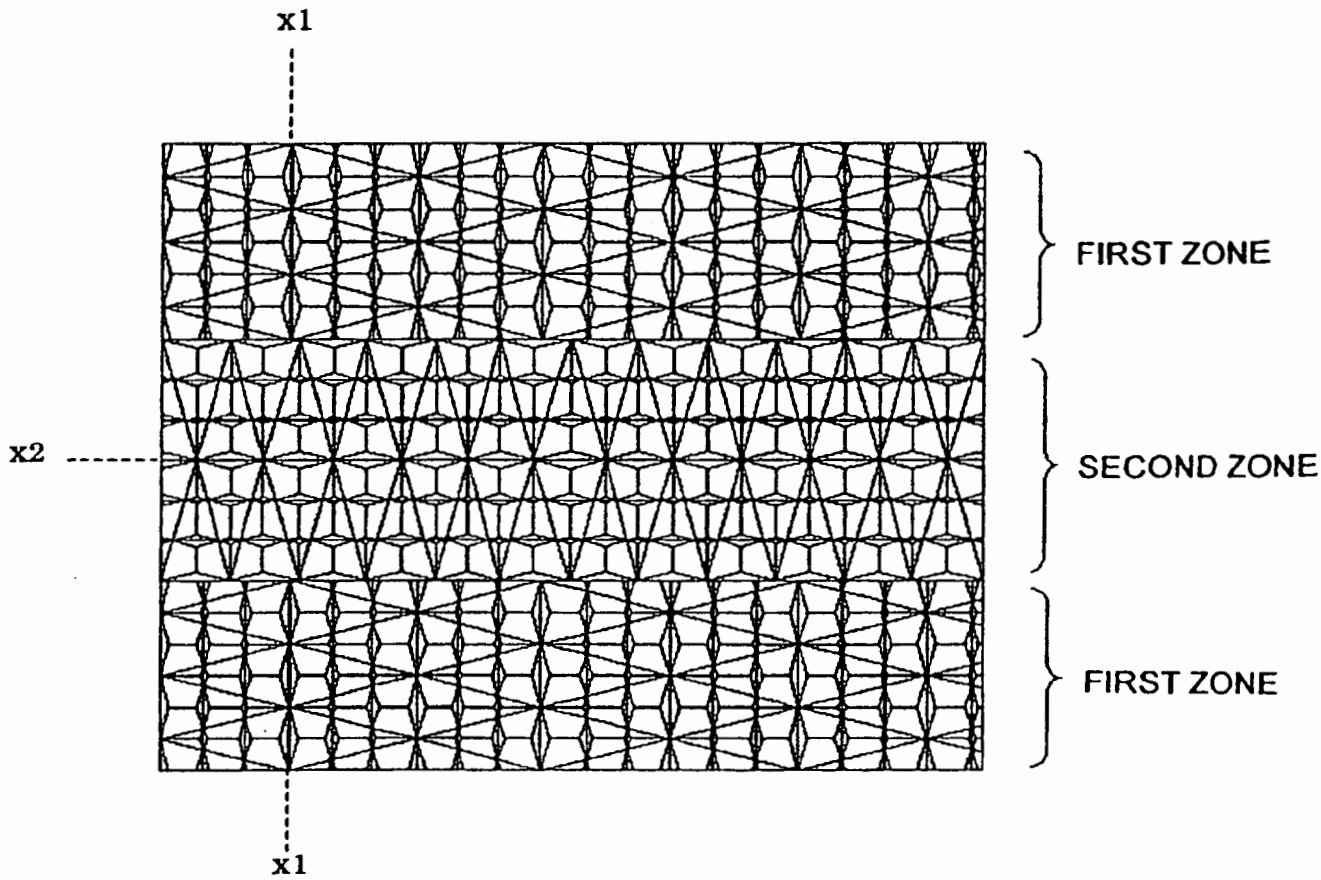


Fig.17

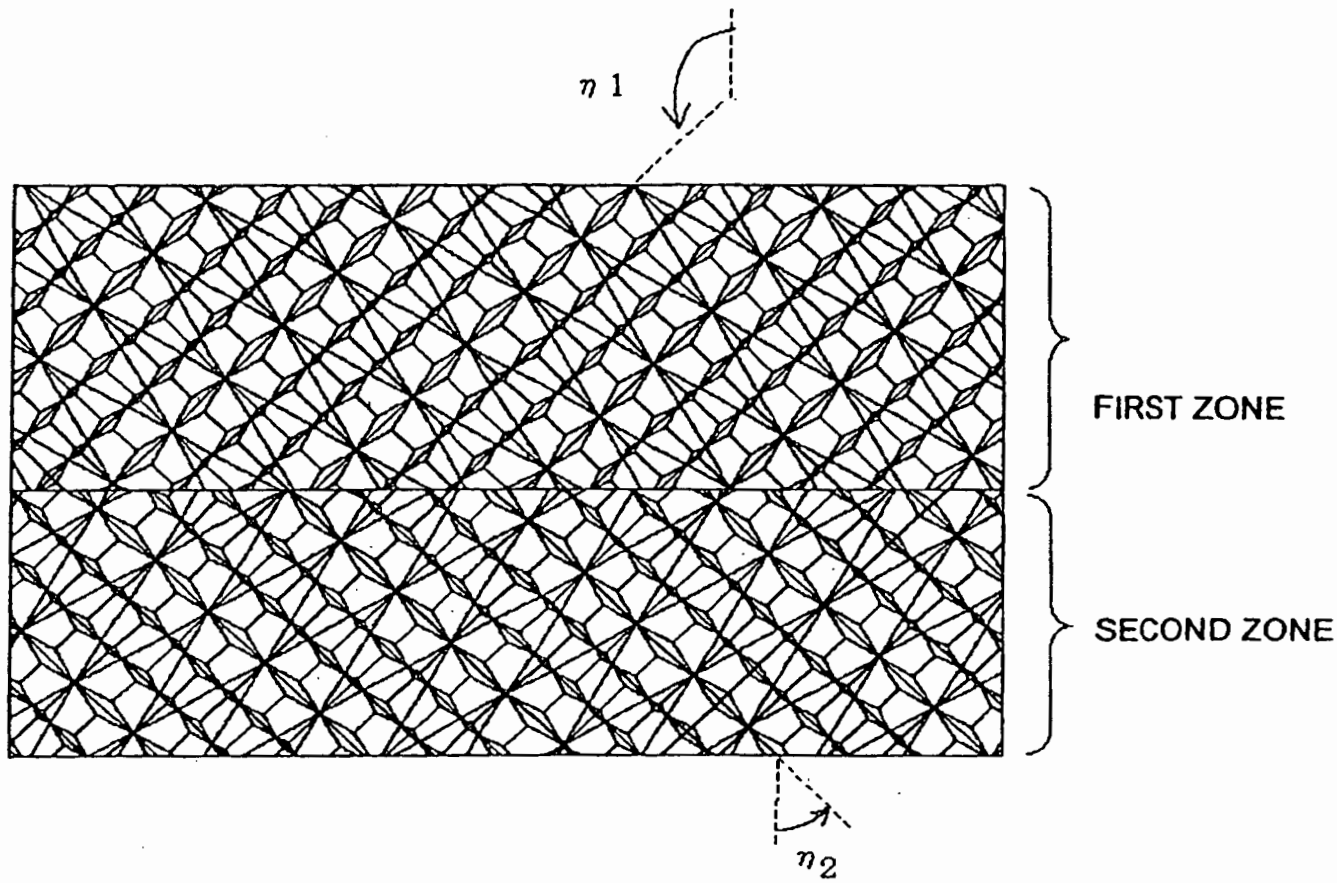


Fig.18

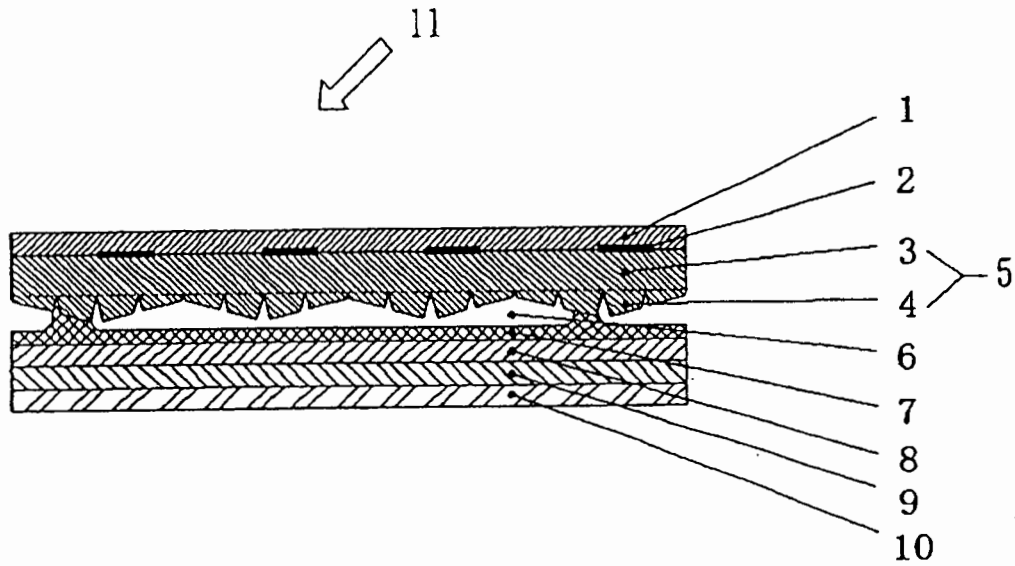


Fig.19

