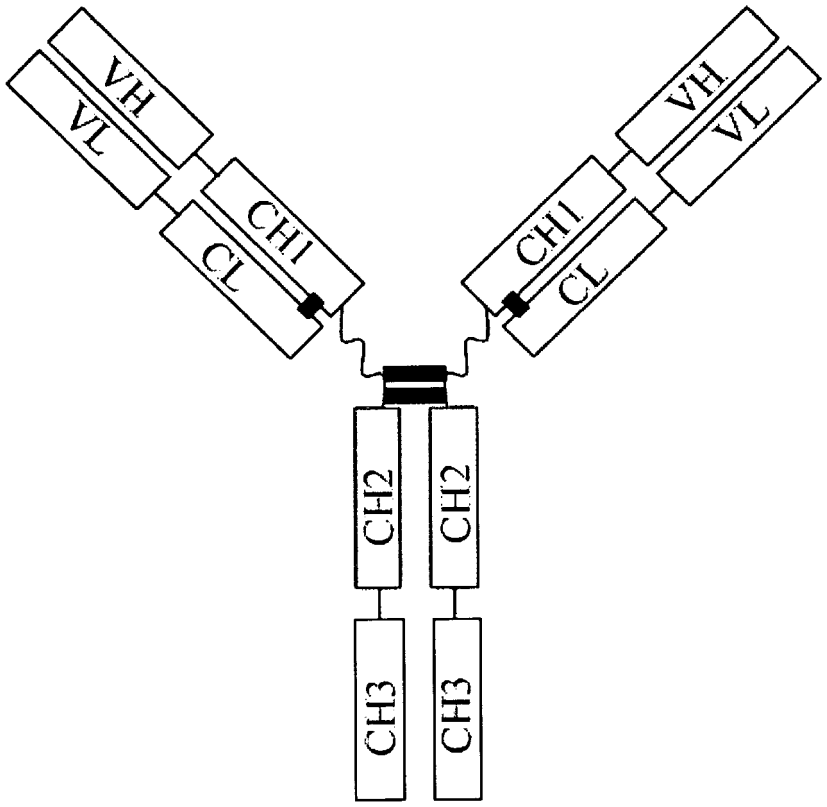
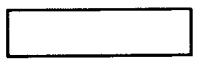
Fig. 1

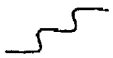



antibody domain

CH2 domain name

disulfide bond

— inter-antibody domain bond


hinge region


peptidic linker

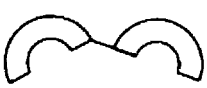

repeat motif molecule

Fig. 2

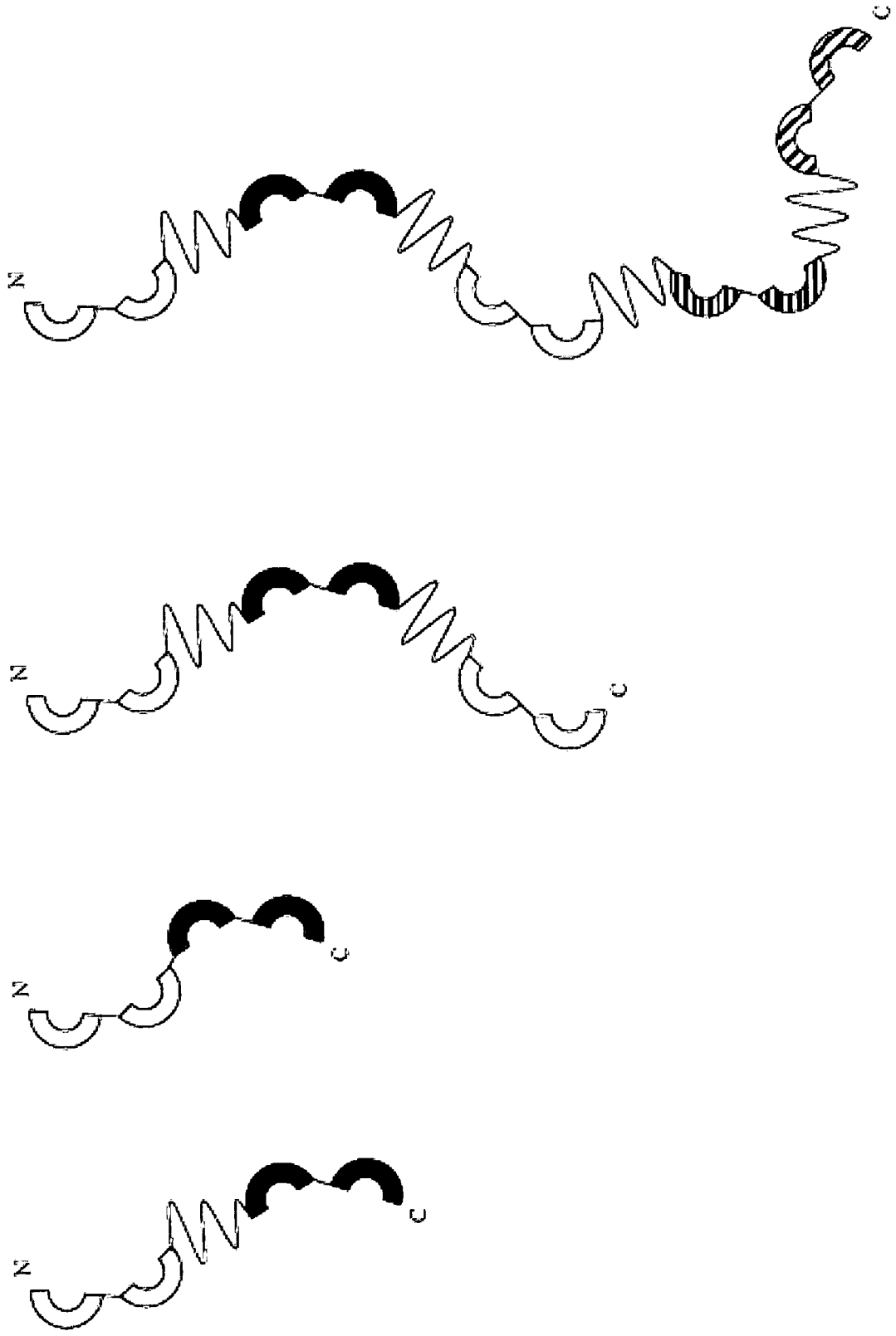


Fig. 3

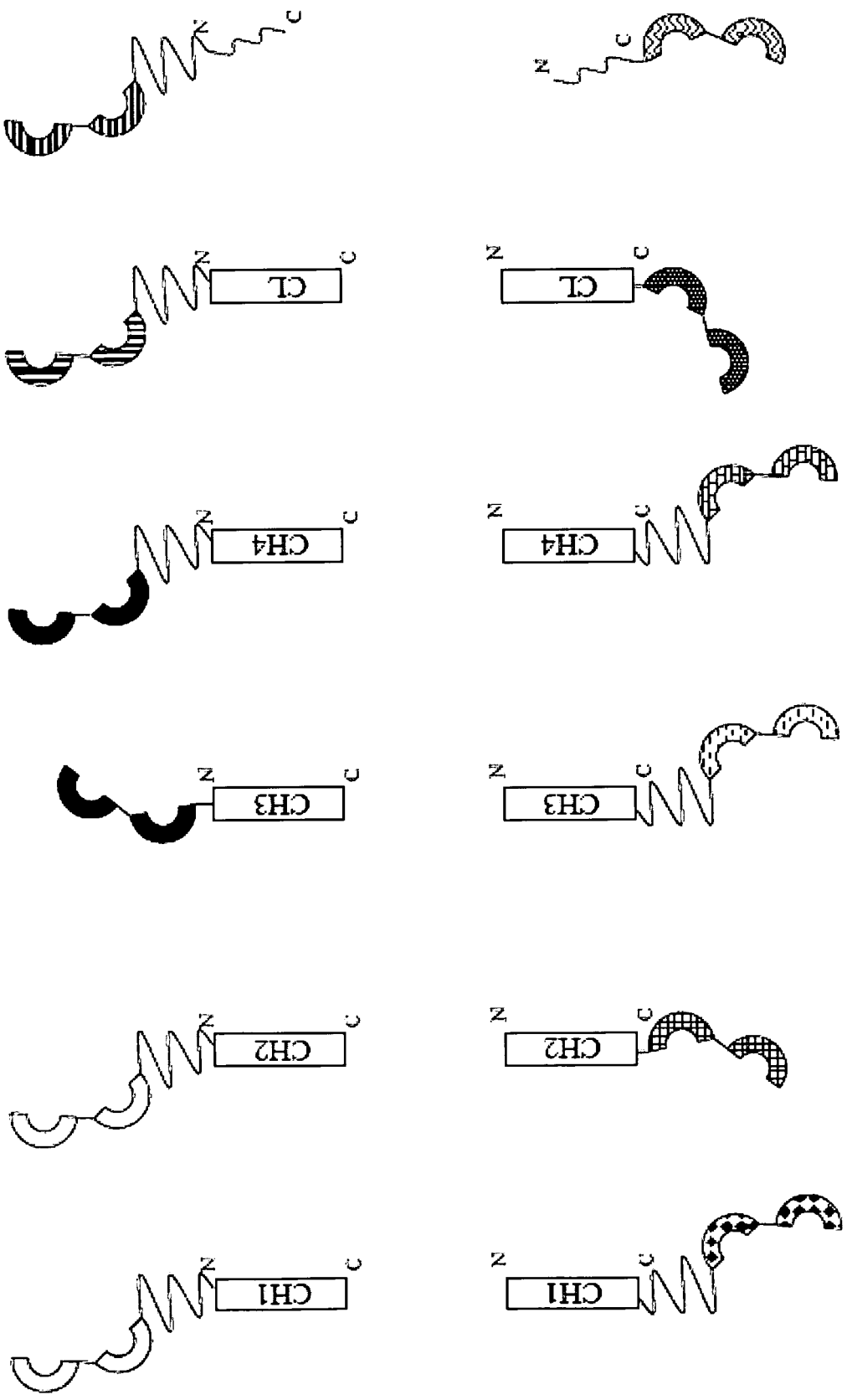


Fig. 4

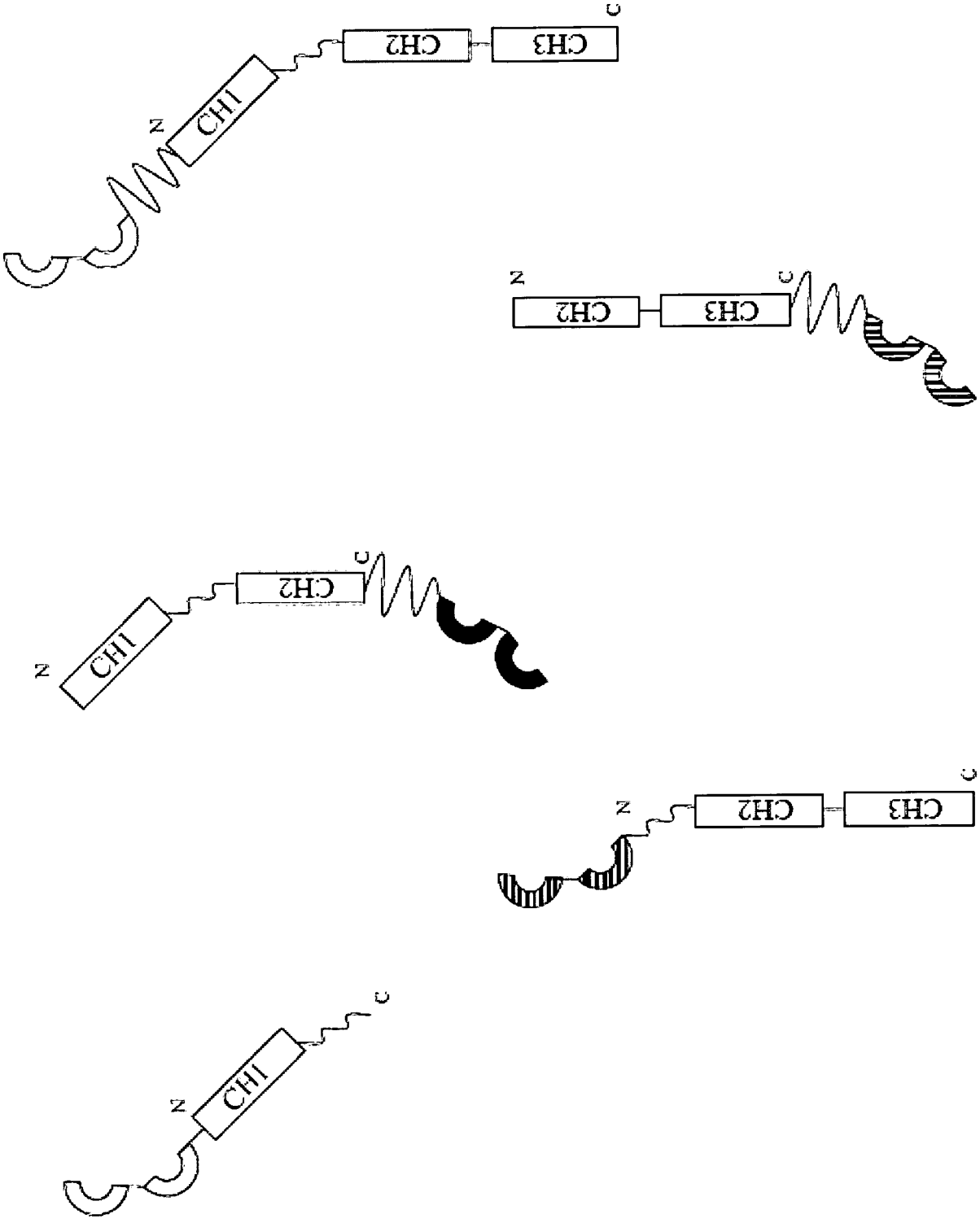


Fig. 5

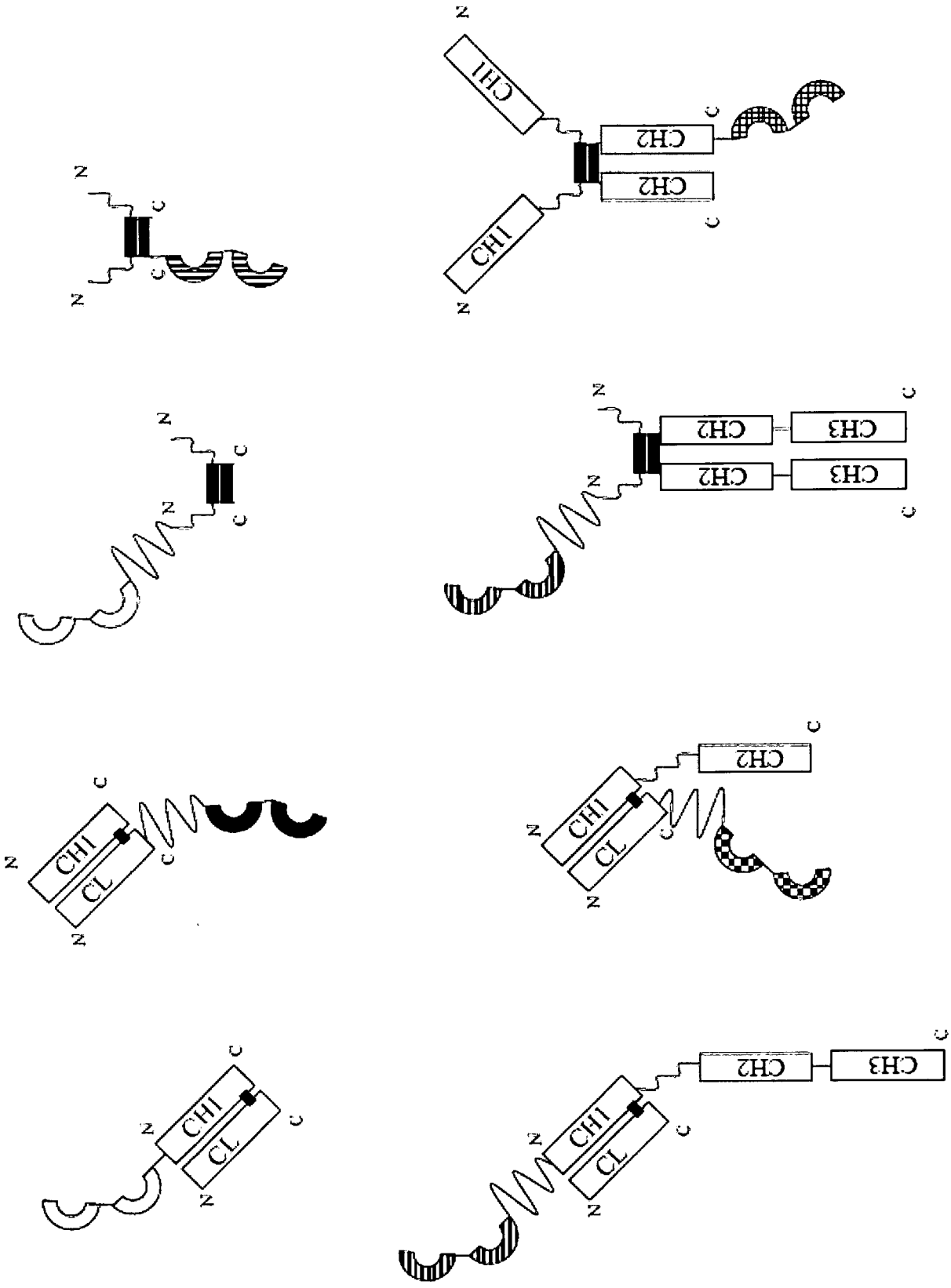


Fig. 6

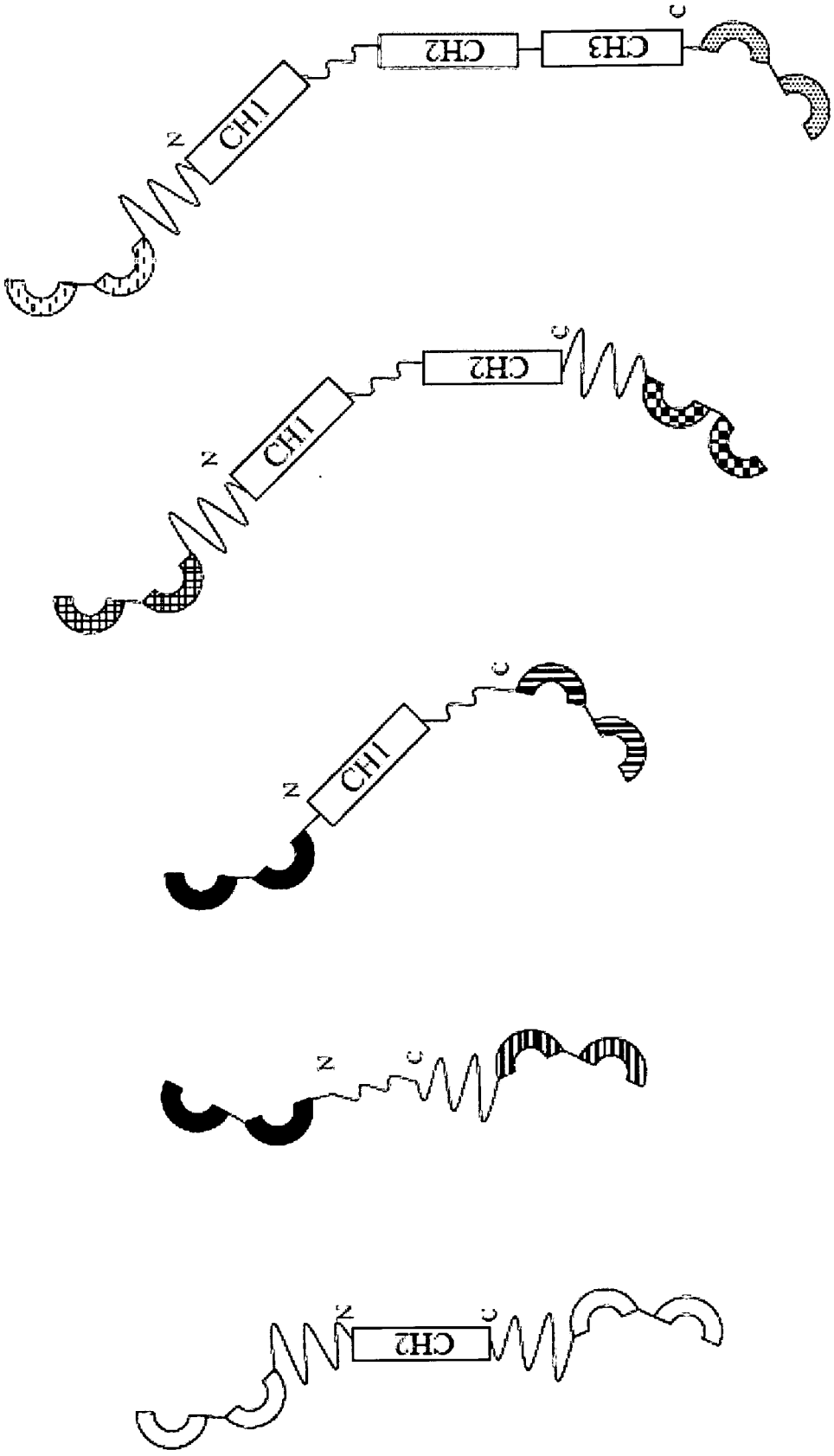


Fig. 7

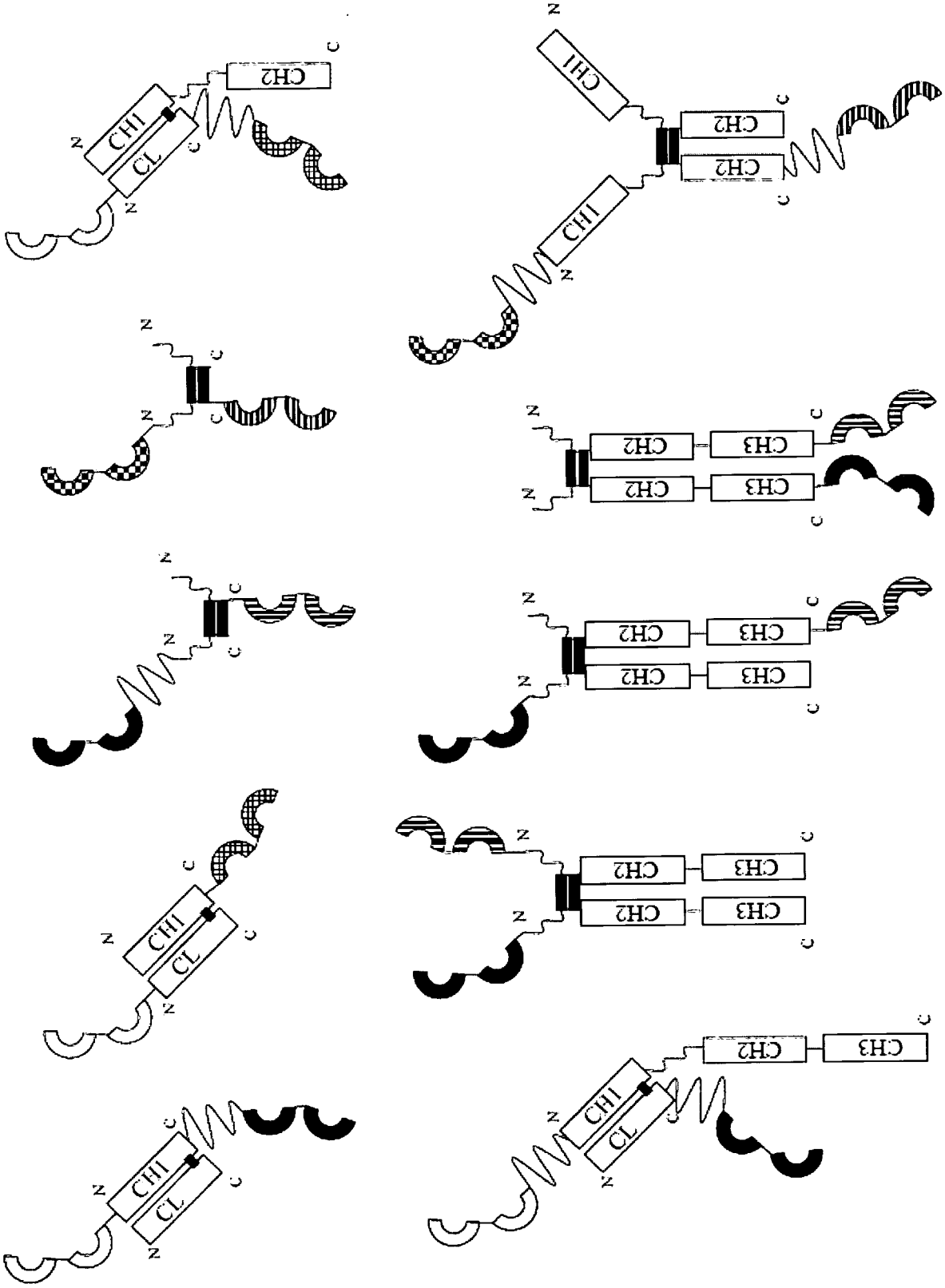


Fig. 8

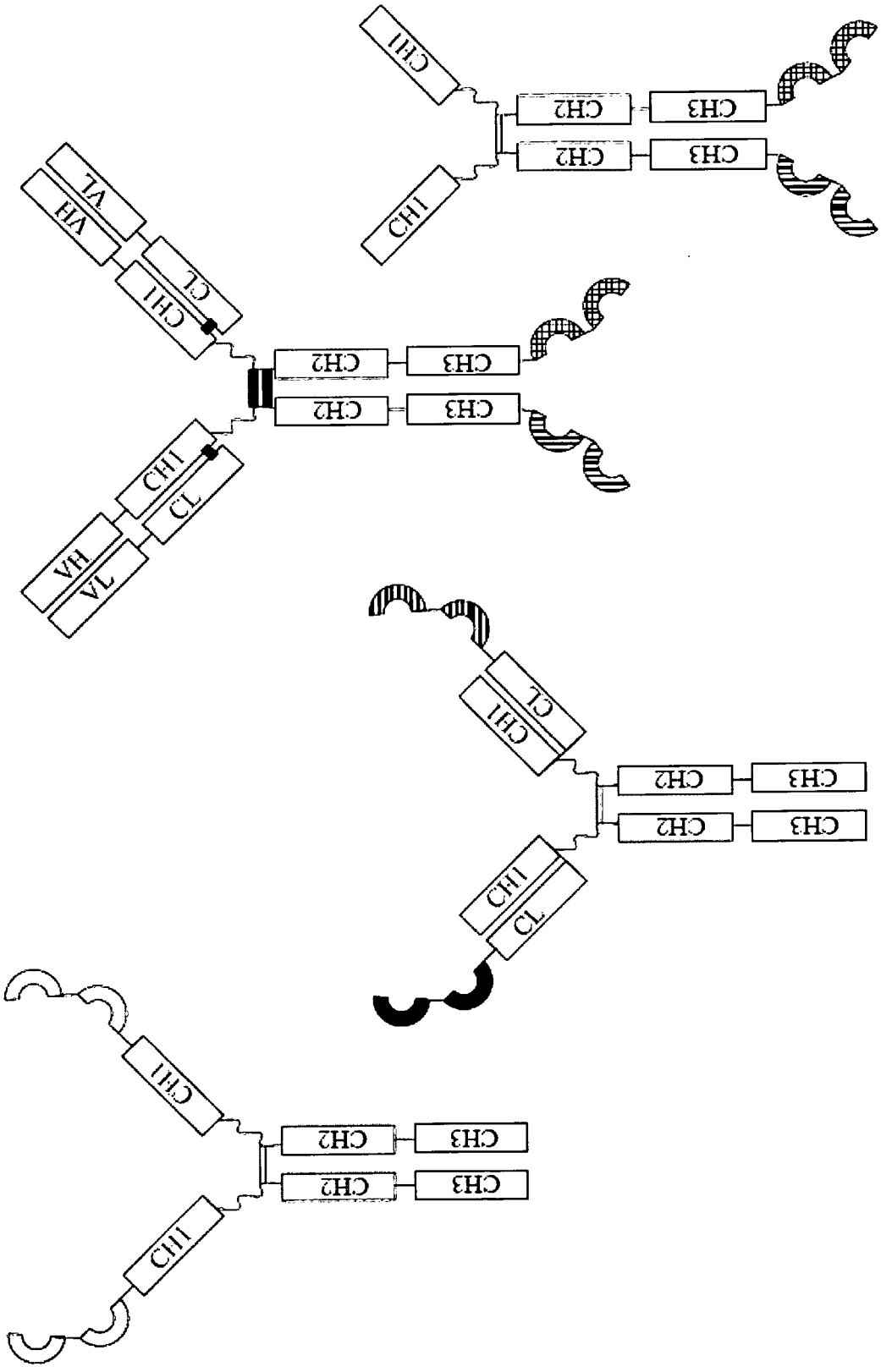

CH1
CH2
CH3
CH2
CH3
CH1
VL
VH
CL
CH1
CH2
CH3
CH2
CH3
CH1
CL
VH
VL
CL
CH1
CH2
CH3
CH2
CH3
CH1
CL
CH1
CH2
CH3
CH2
CH3
CH1

Fig. 9

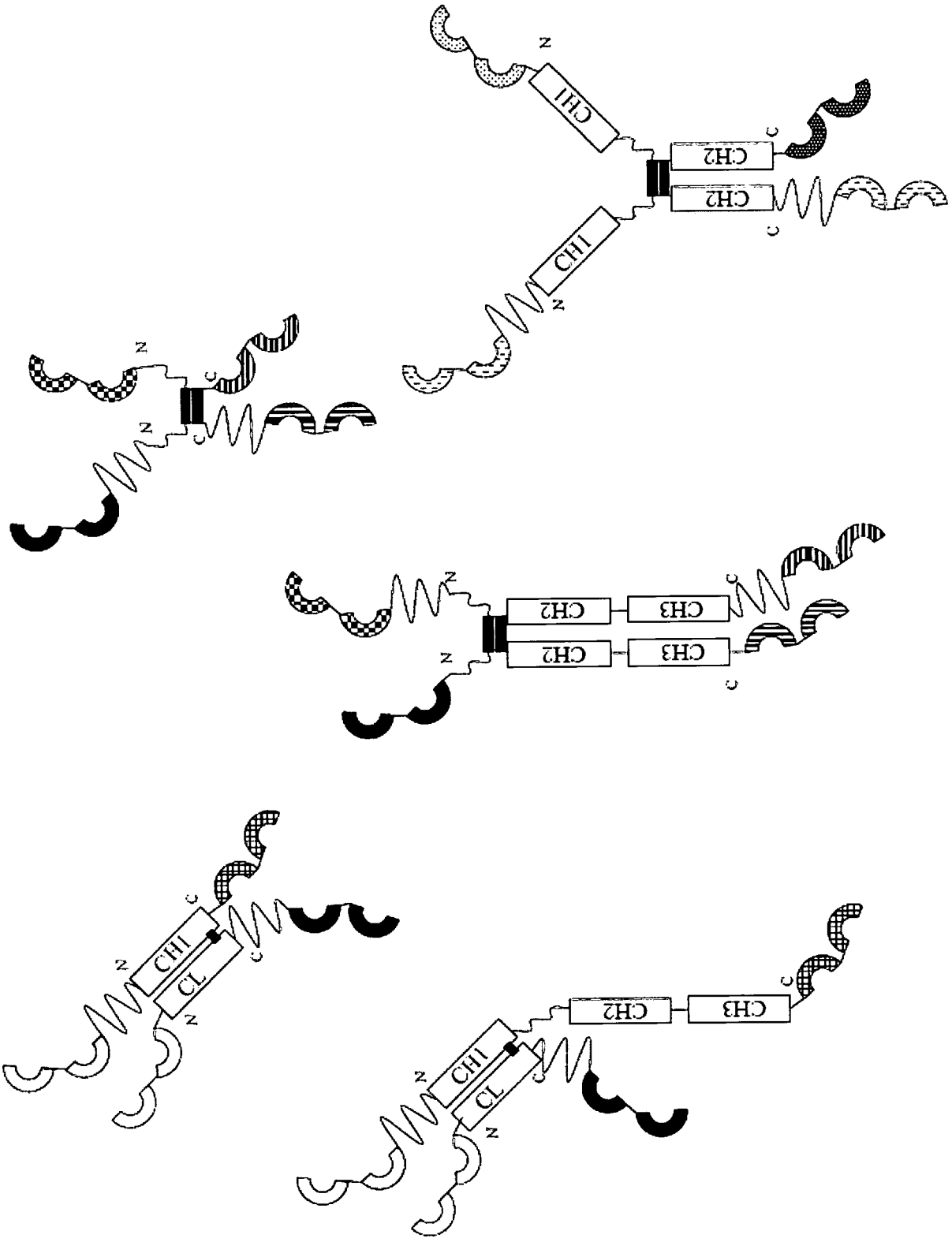

N
CH1
CH2
CH2
CH1
C
N
C
N
CH2
CH3
CH2
CH3
N
N
C
C
CH1
CL
N
N
C
C
CH2
CH3
CH1
CL
N
N
C

Fig. 10

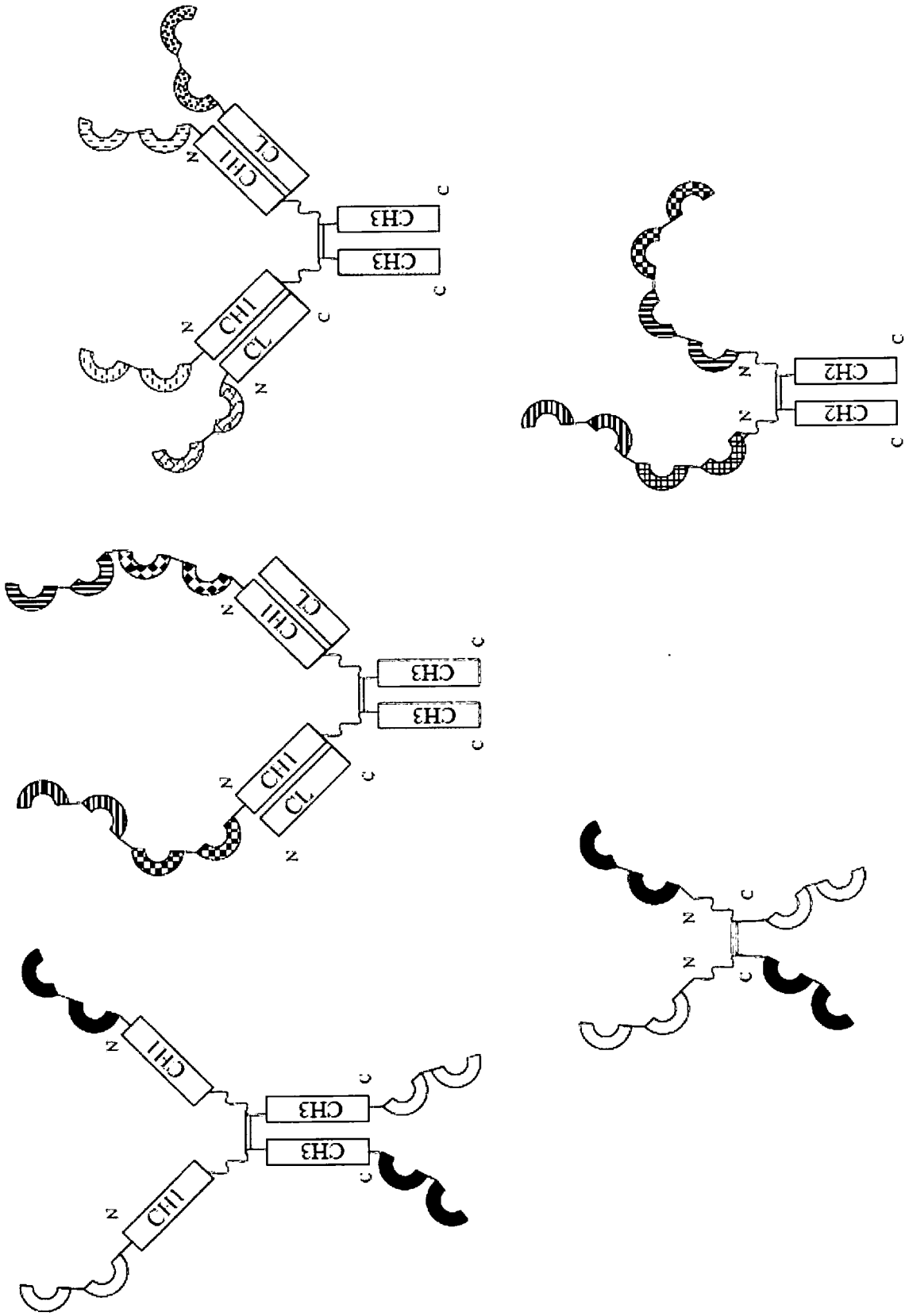

CL
CH1
CH3
CH3
CH1
CL
CH2
CH2
CL
CH1
CH3
CH3
CH1
CL
CH1
CH3
CH3
CH1

Fig. 11

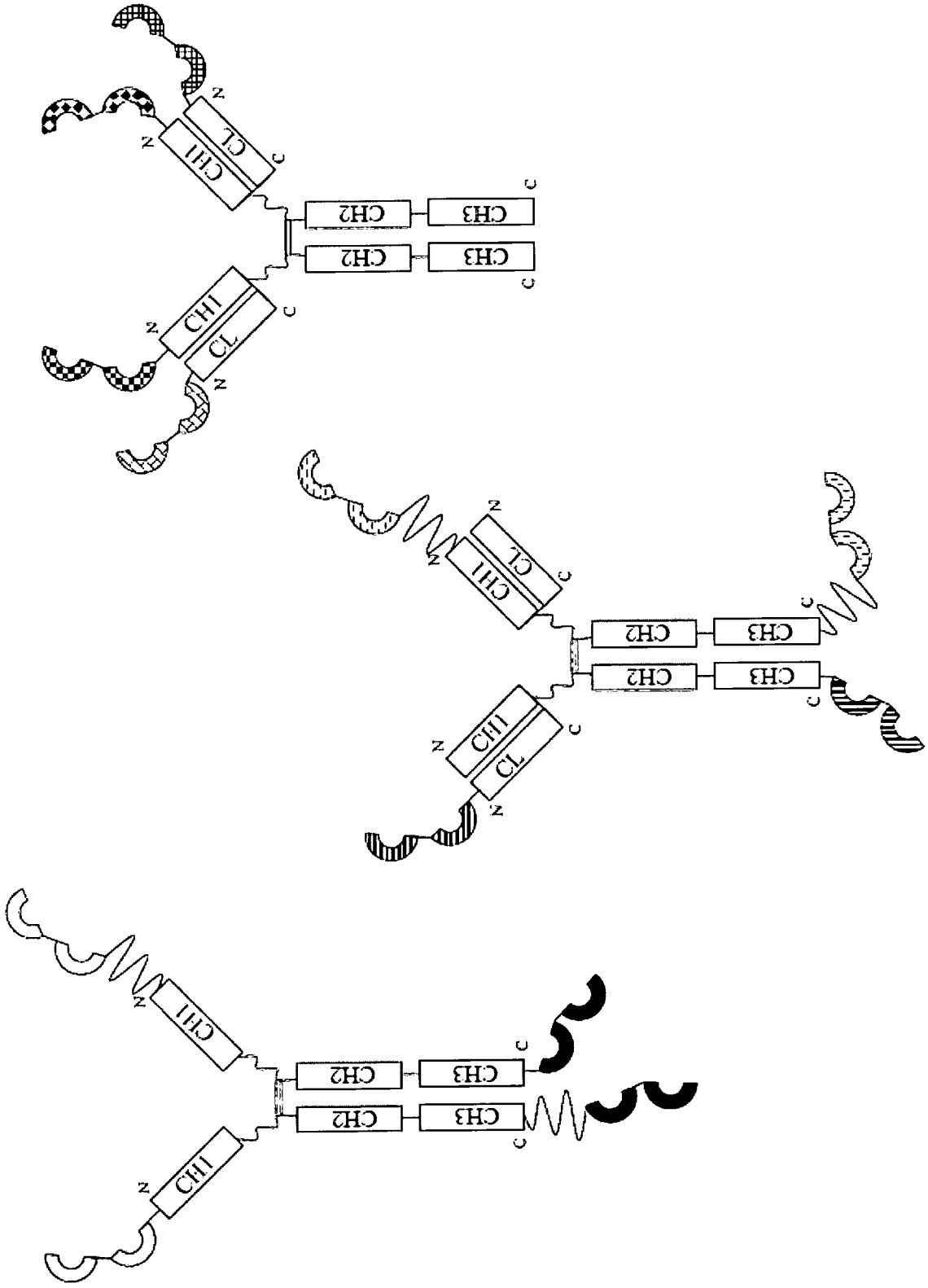


Fig. 12

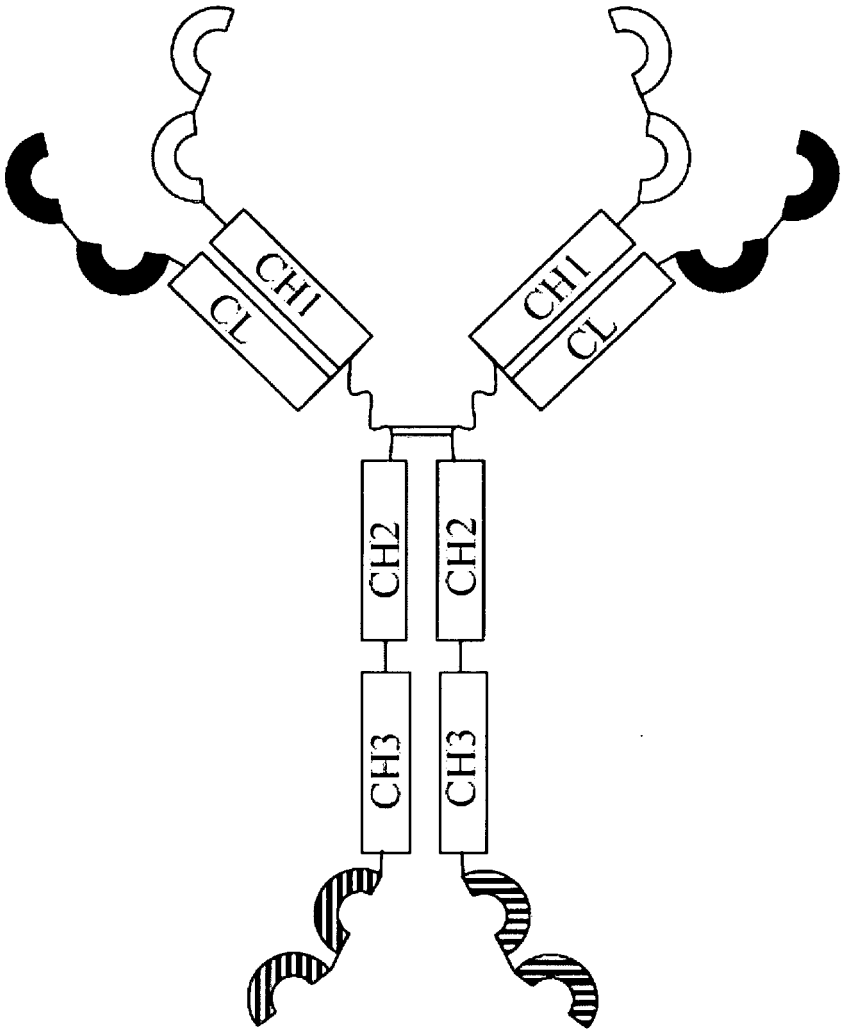


Fig. 13

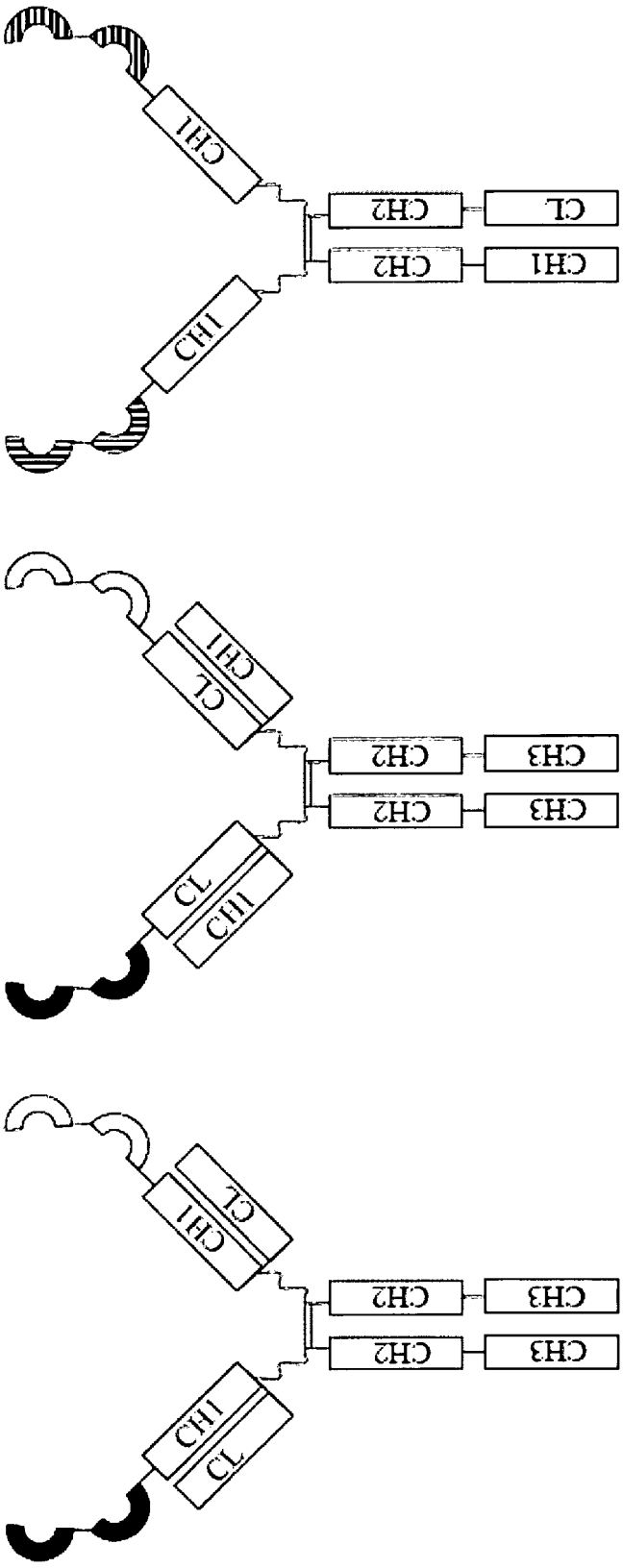

CH1
CH2
CL
CH2
CH1
CH1
CL
CH2
CH3
CH2
CH3
CL
CH1
CL
CH2
CH3
CH2
CH3
CH1
CL

Fig. 14

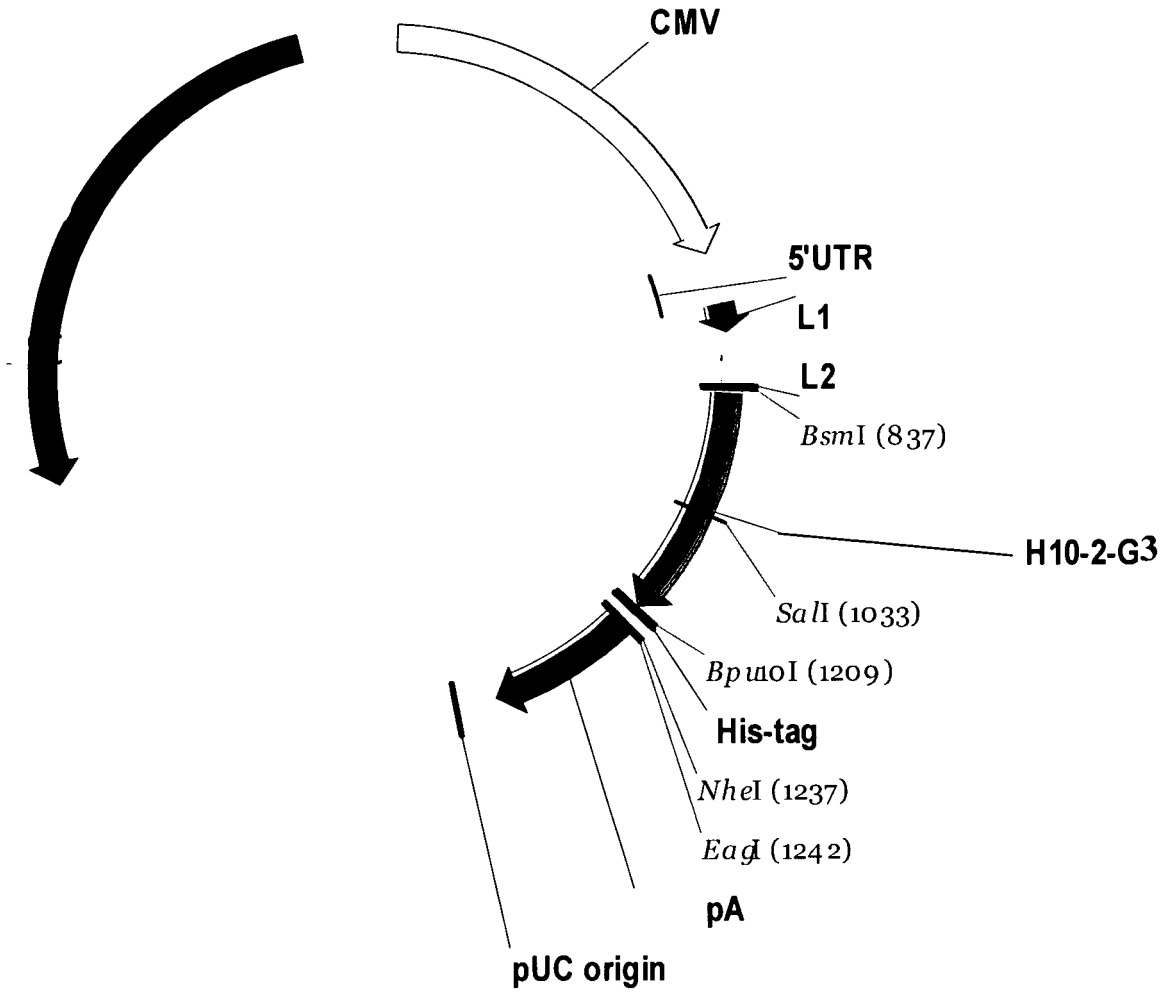

CMV
5'UTR
L1
L2
BsmI (837)
H10-2-G3
SalI (1033)
BpuI0I (1209)
His-tag
NheI (1237)
EagI (1242)
pA
pUC origin

Fig. 15

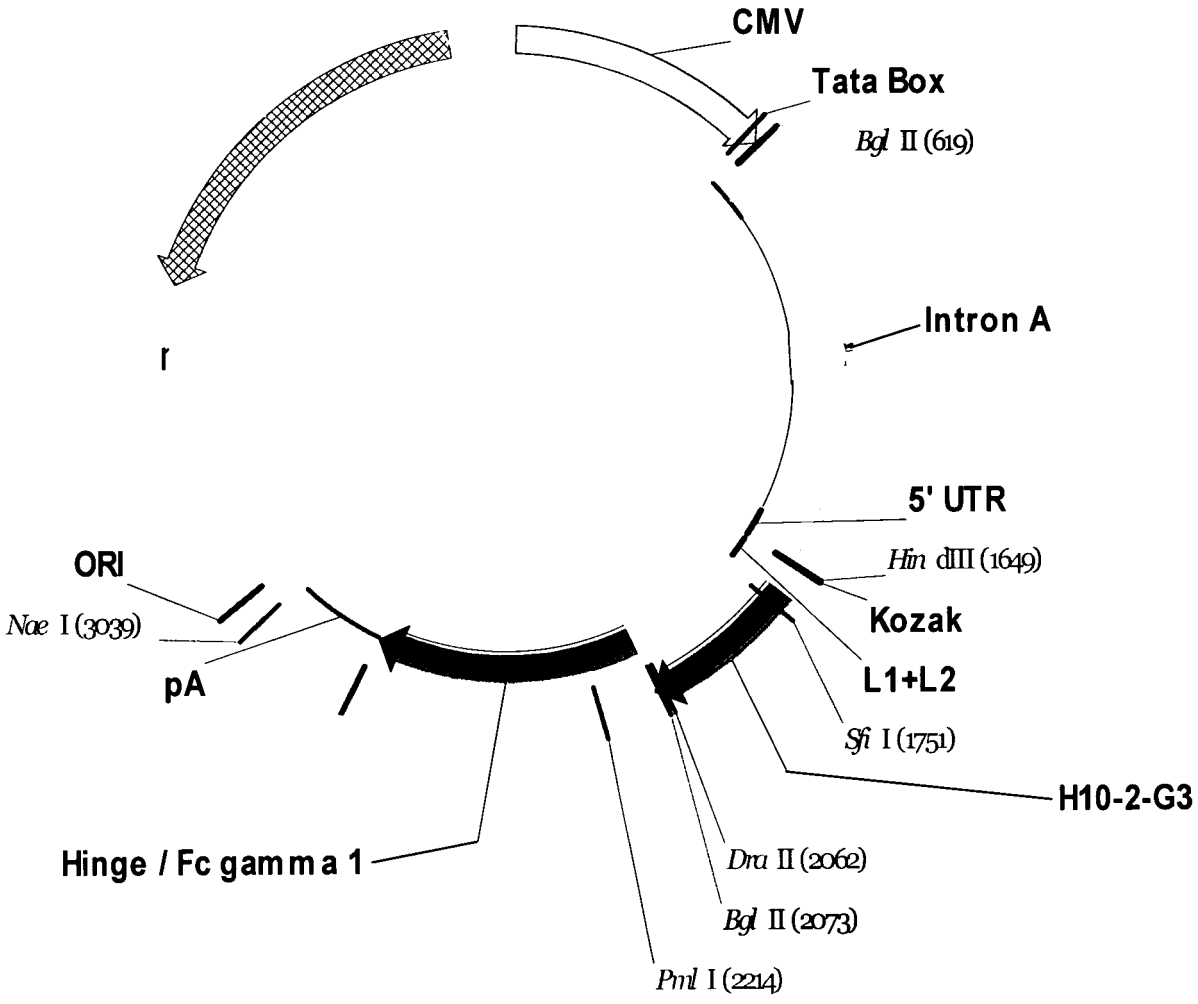

CMV
Tata Box
Bgl II (619)
Intron A
5' UTR
Hin dIII (1649)
Kozak
L1+L2
Sfi I (1751)
H10-2-G3
Dra II (2062)
Bgl II (2073)
Pml I (2214)
Hinge / Fc gamma 1
ORI
Nae I (3039)
pA

Fig. 16

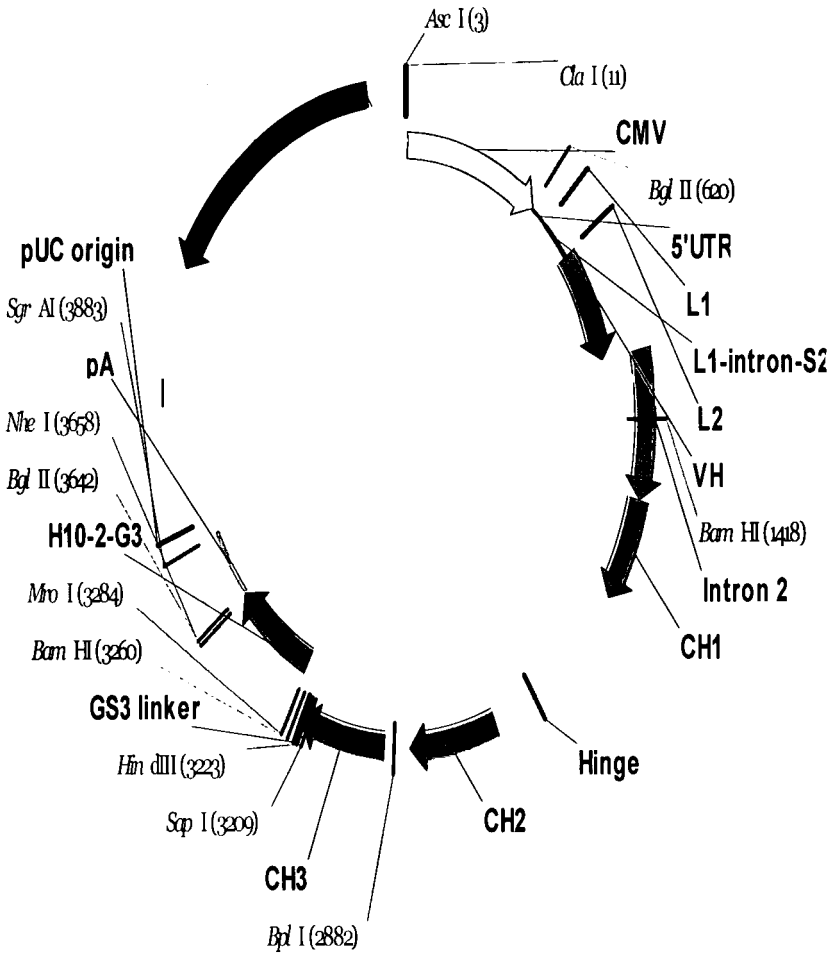

Asc I (3)
Cla I (11)
CMV
Bgl II (620)
5'UTR
L1
L1-intron-S2
L2
VH
Bam HI (1418)
Intron 2
CH1
Hinge
CH2
CH3
Bpl I (2882)
Sap I (3209)
Hin dIII (3223)
GS3 linker
Bam HI (3260)
Mro I (3284)
H10-2-G3
Bgl II (3642)
Nhe I (3658)
pA
Sgr AI (3883)
pUC origin

Fig. 17

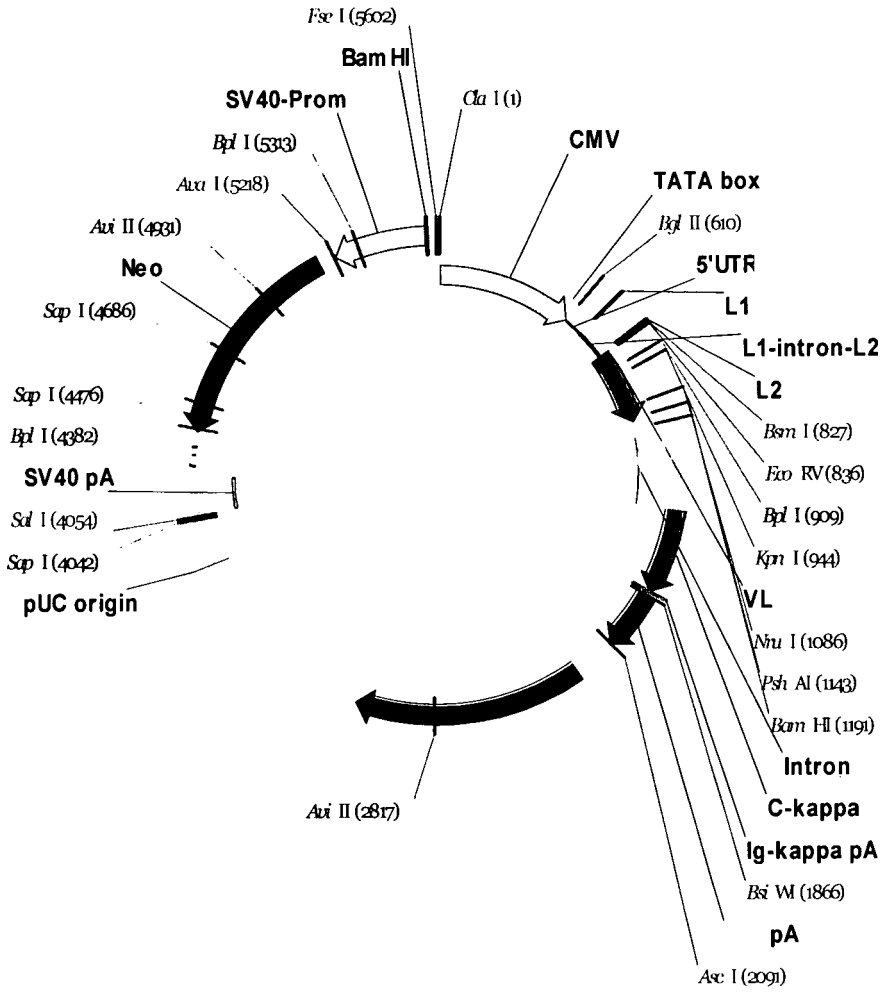

Fse I (5602)
Bam HI
SV40-Prom
Cla I (1)
Bpl I (5313)
CMV
Aca I (5218)
TATA box
Aui II (4981)
Bgl II (610)
Neo
5'UTR
Sap I (4686)
L1
L1-intron-L2
Sap I (4476)
L2
Bpl I (4382)
Bsm I (827)
SV40 pA
Eco RV (836)
Sal I (4054)
Bpl I (909)
Sap I (4042)
Kpn I (944)
pUC origin
VL
Nru I (1086)
Psh AI (1143)
Bam HI (1191)
Intron
Aui II (2817)
C-kappa
Ig-kappa pA
Bsi WI (1866)
pA
Asc I (2091)

Fig. 18

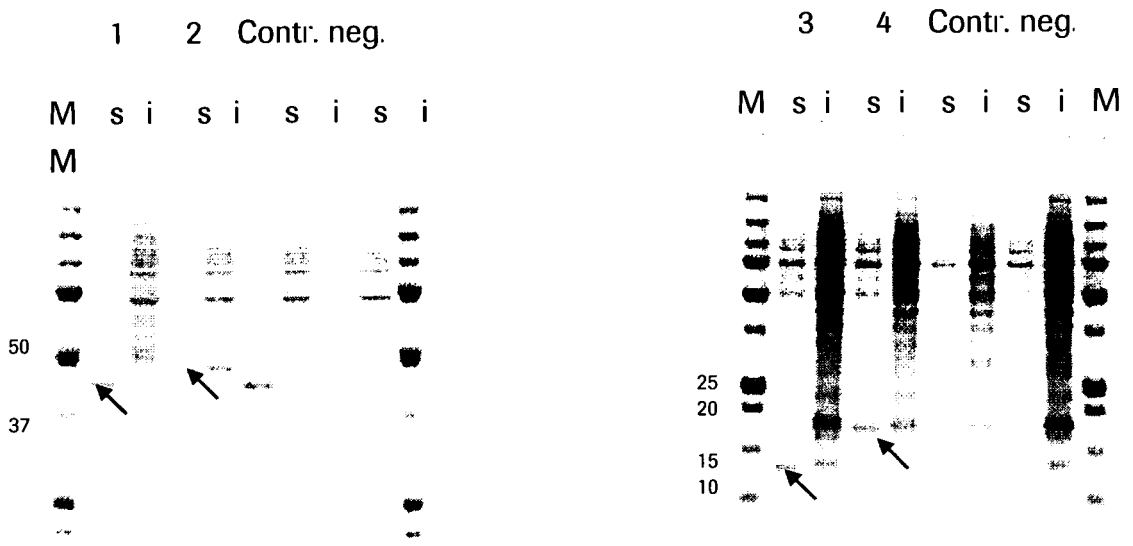
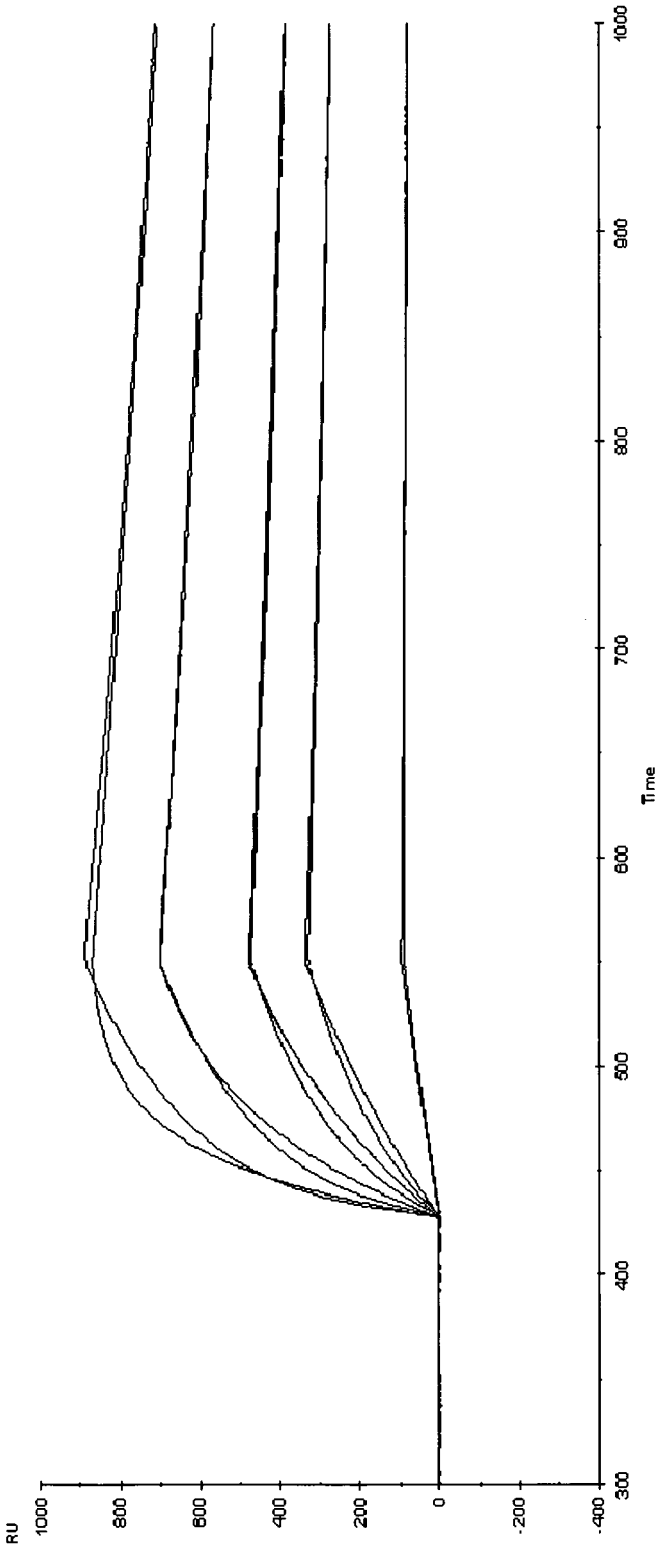

1 2 Contr. neg.
3 4 Contr. neg.
M s i s i s i s i
M
M s i s i s i s i M
50
37
25
20
15
10

Fig. 19


RU
1000
800
600
400
200
0
-200
-400
300
400
500
600
700
800
900
1000
Time