Fig.1

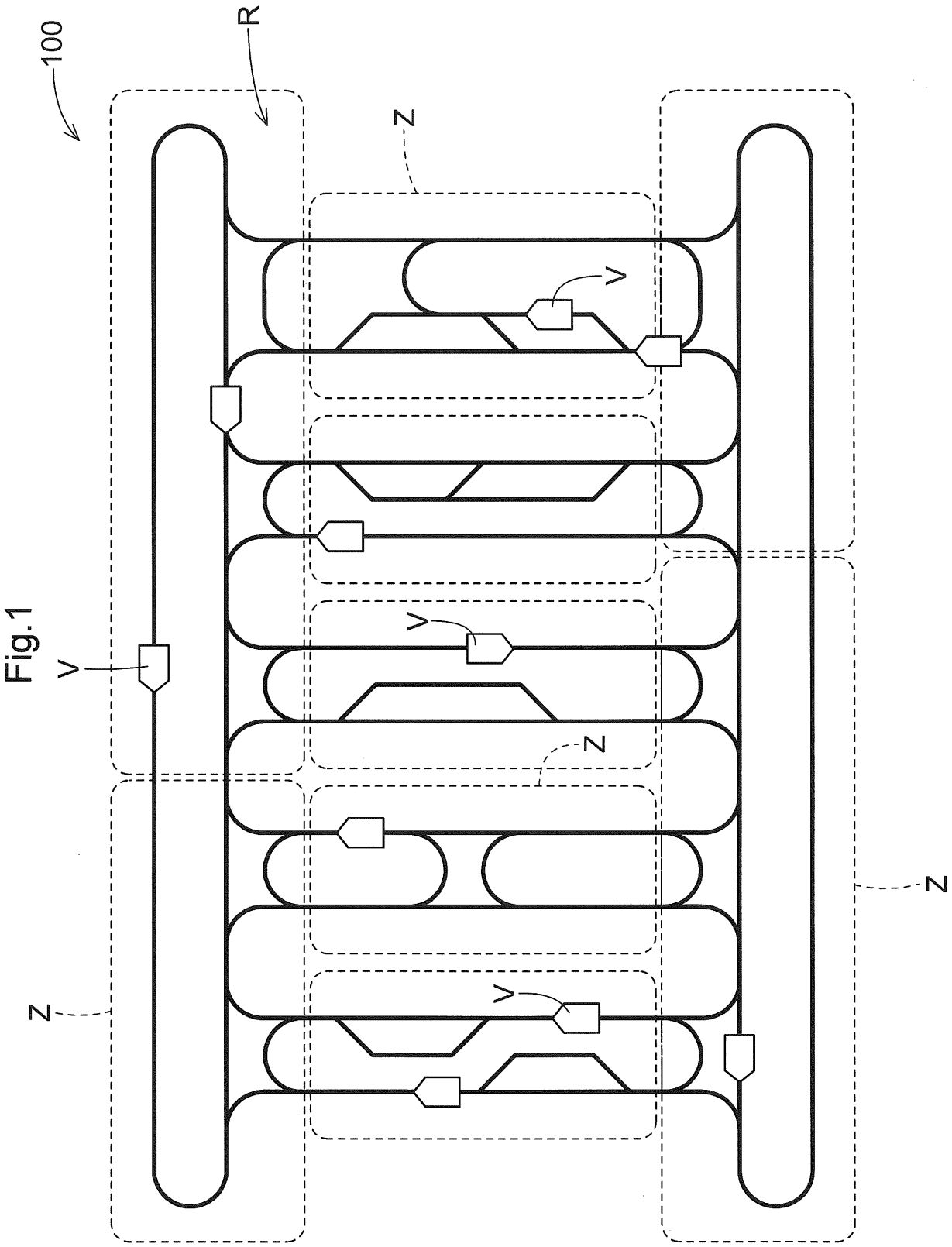


Fig.2

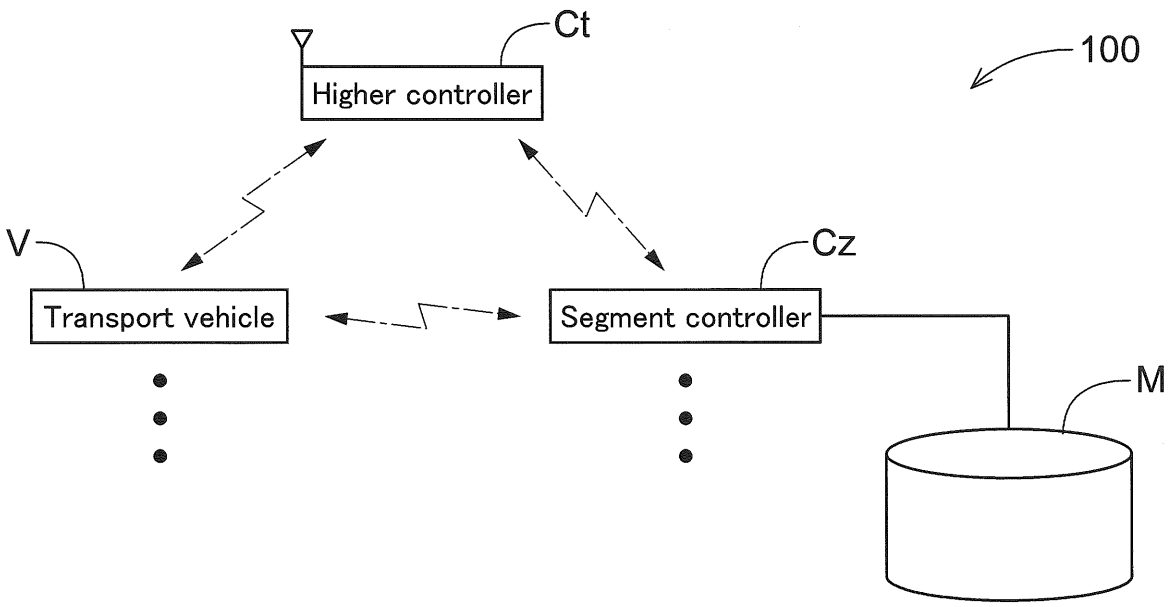

Ct
Higher controller
100
V
Transport vehicle
Cz
Segment controller
M

Fig.3

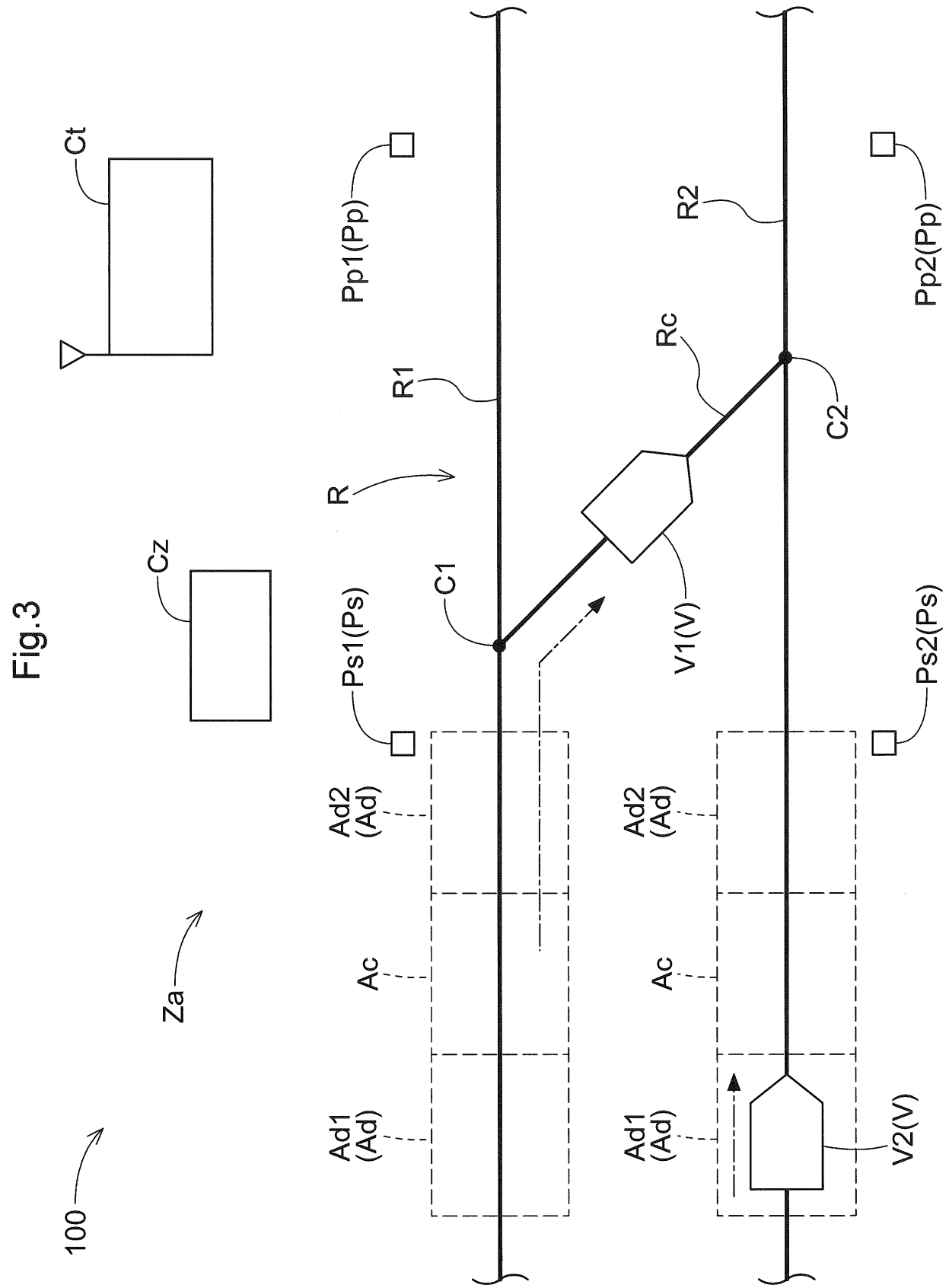

100
Ct
Cz
Za
Pp1(Pp)
R1
R
Ps1(Ps)
C1
Ad2
(Ad)
Ac
Ad1
(Ad)
V1(V)
Rc
R2
C2
Pp2(Pp)
Ps2(Ps)
V2(V)

Fig.4

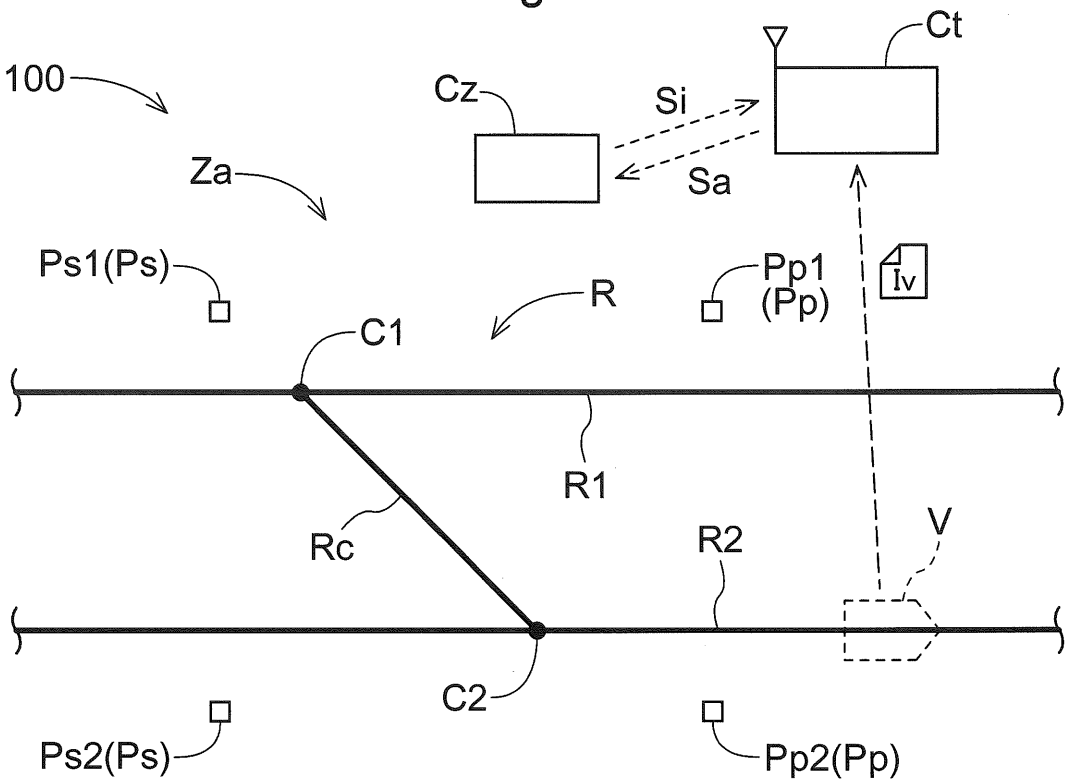

100
Za
Cz
Si
Sa
Ct
Ps1(Ps)
R
Pp1
(Pp)
Iv
C1
R1
Rc
R2
V
C2
Ps2(Ps)
Pp2(Pp)

Fig.5

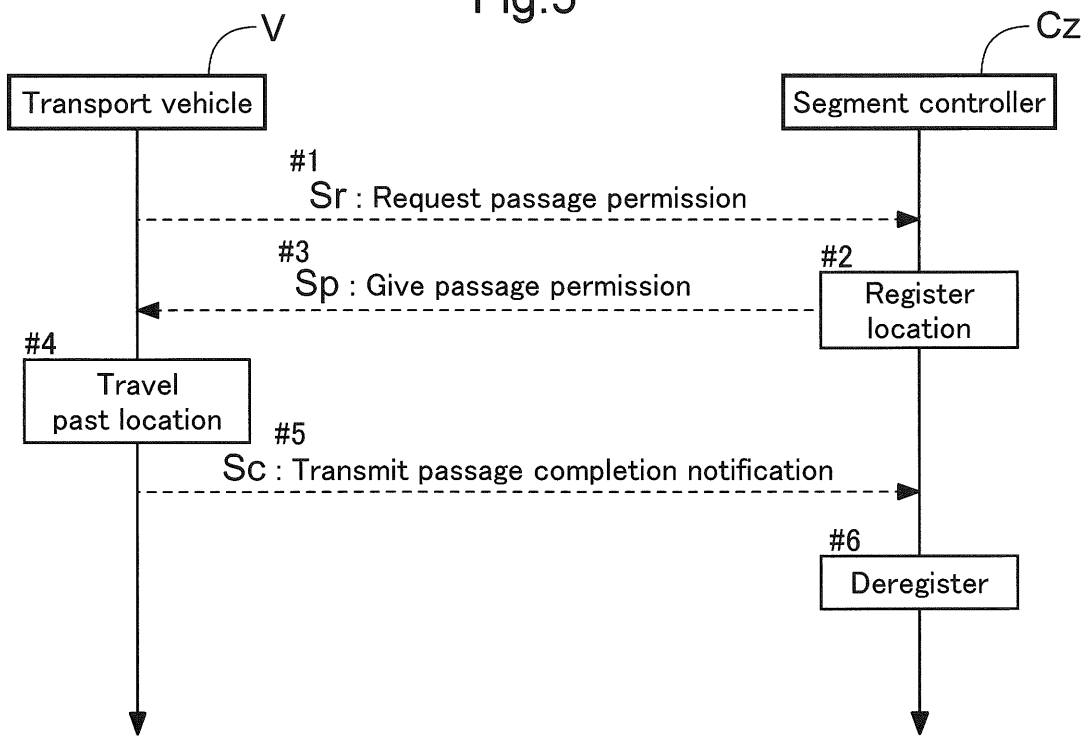

V
Transport vehicle
Cz
Segment controller
#1
Sr : Request passage permission
#3
Sp : Give passage permission
#2
Register location
#4
Travel past location
#5
Sc : Transmit passage completion notification
#6
Deregister

Fig.6

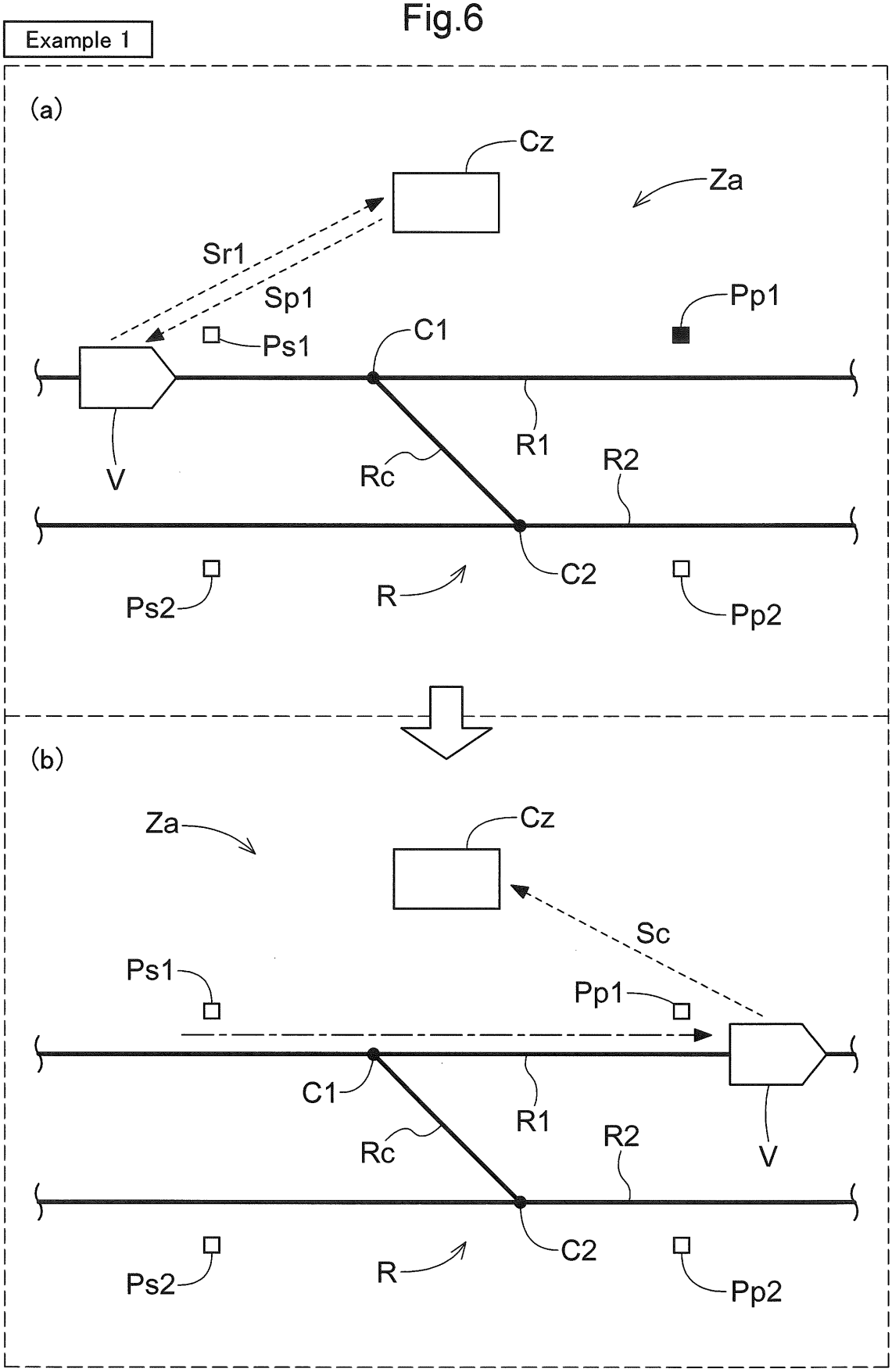

Example 1
(a)
Cz
Za
Sr1
Sp1
Pp1
Ps1
C1
R1
V
Rc
R2
C2
Ps2
R
Pp2
(b)
Za
Cz
Sc
Ps1
Pp1
C1
R1
Rc
R2
V
C2
Ps2
R
Pp2

Fig.7

Example 2

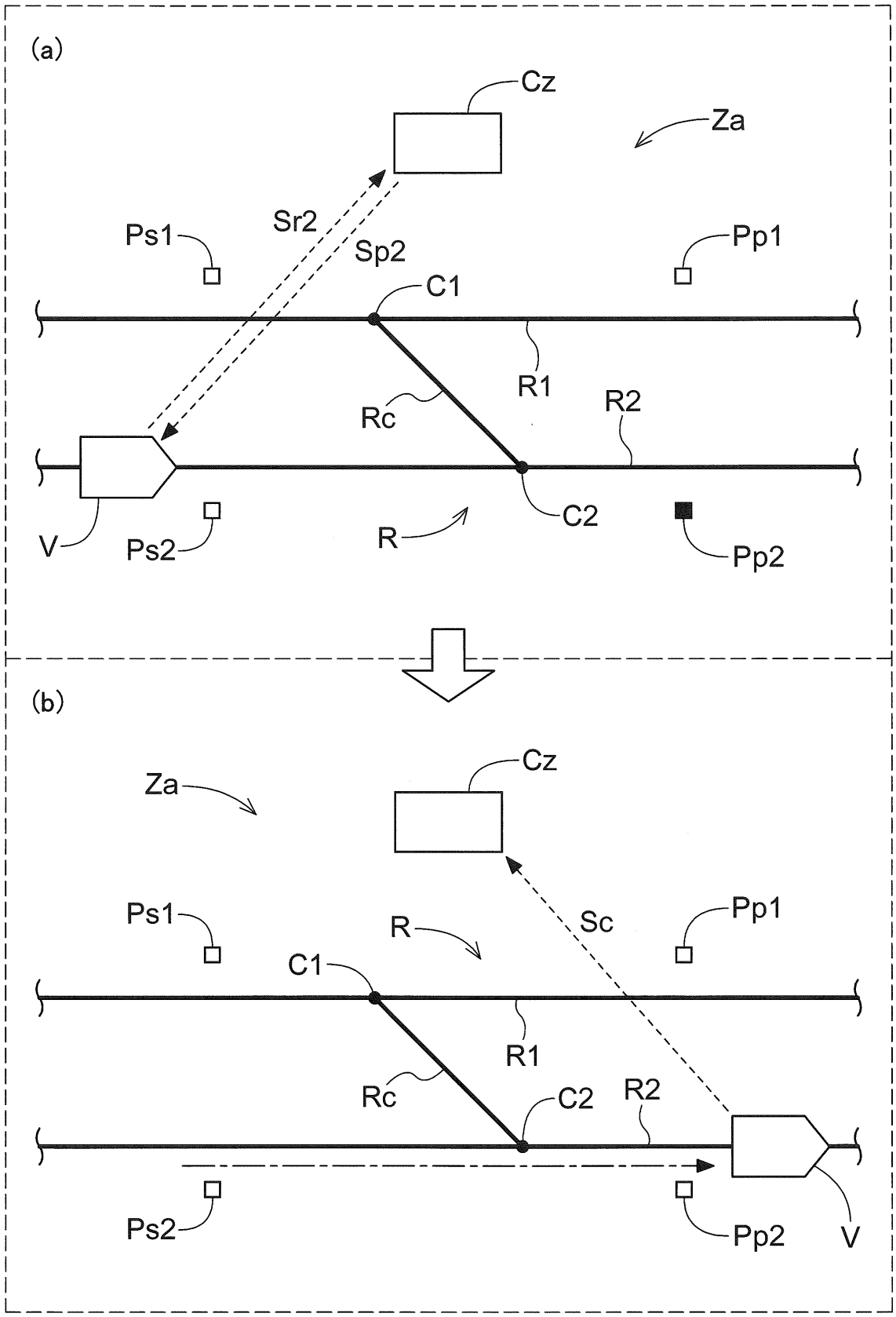


Fig.8

Example 3

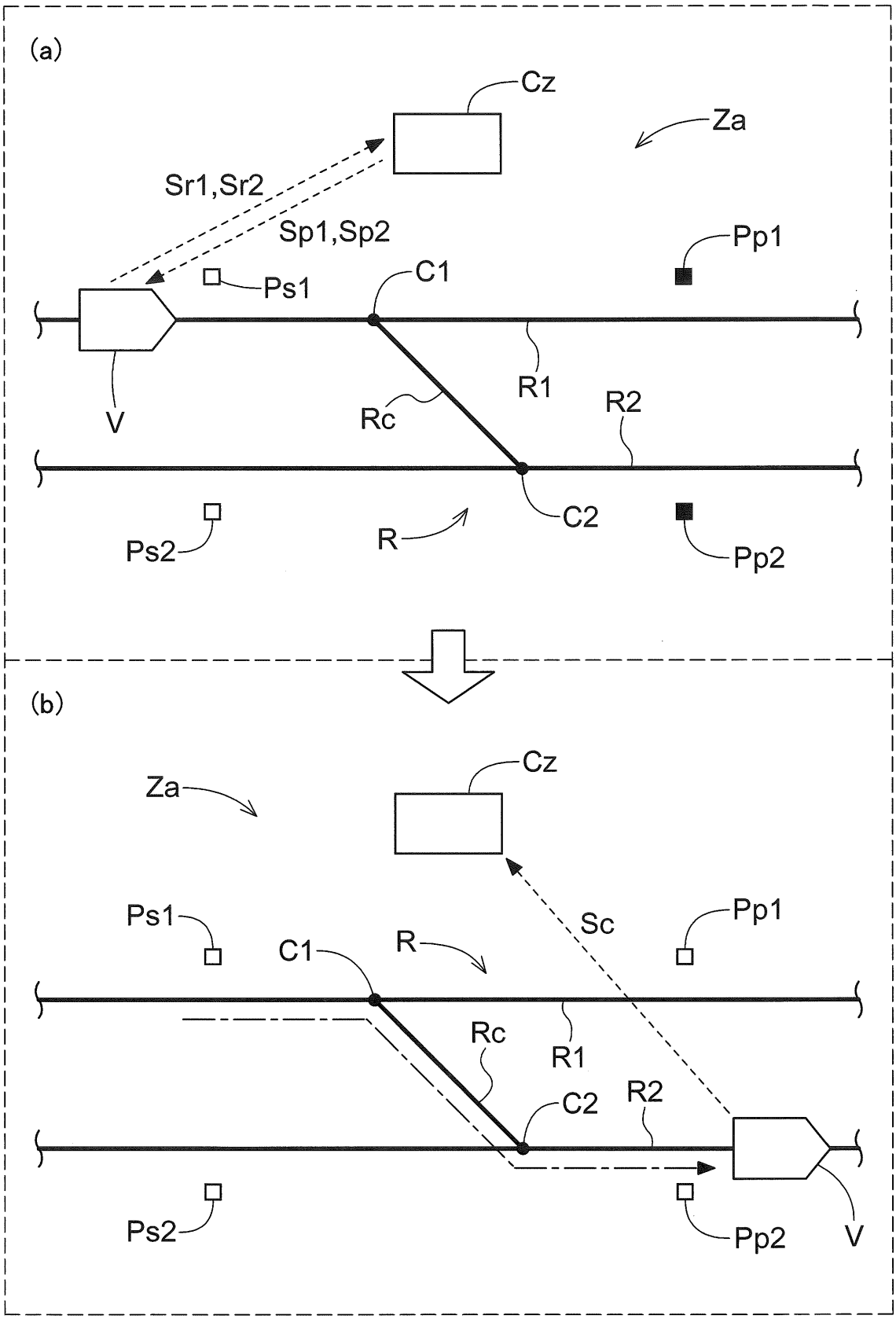


Fig.9

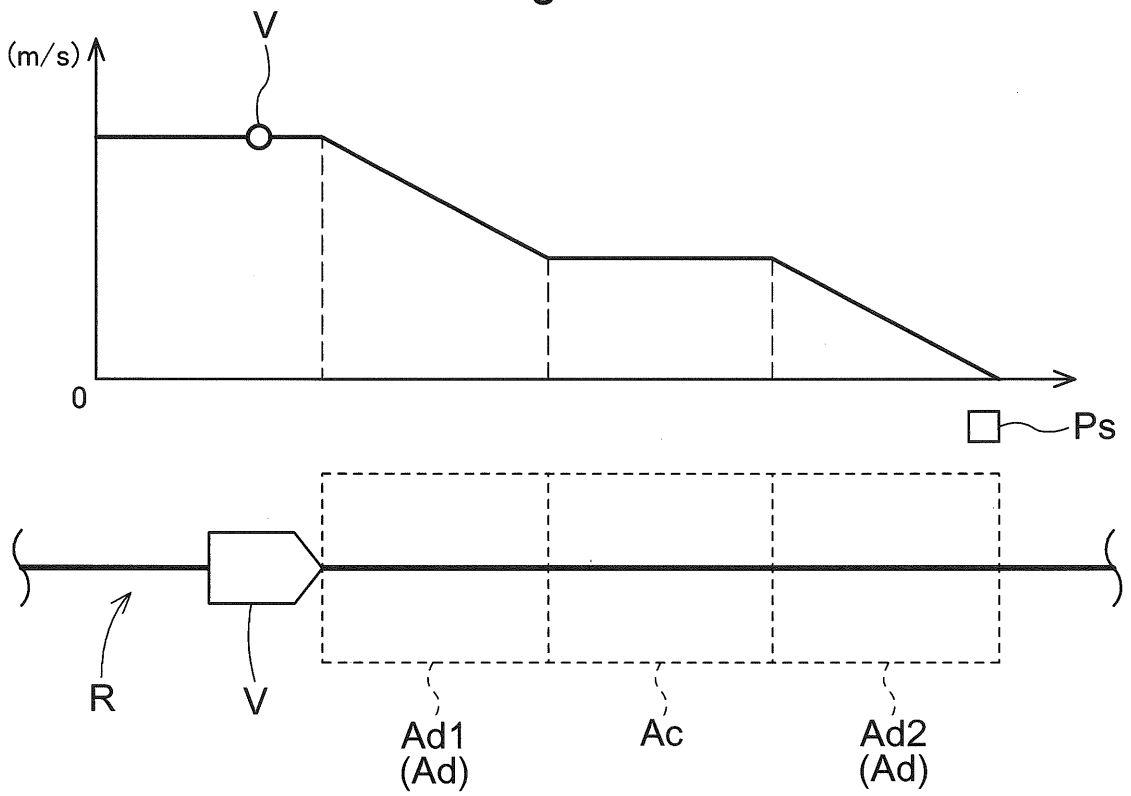


Fig.10

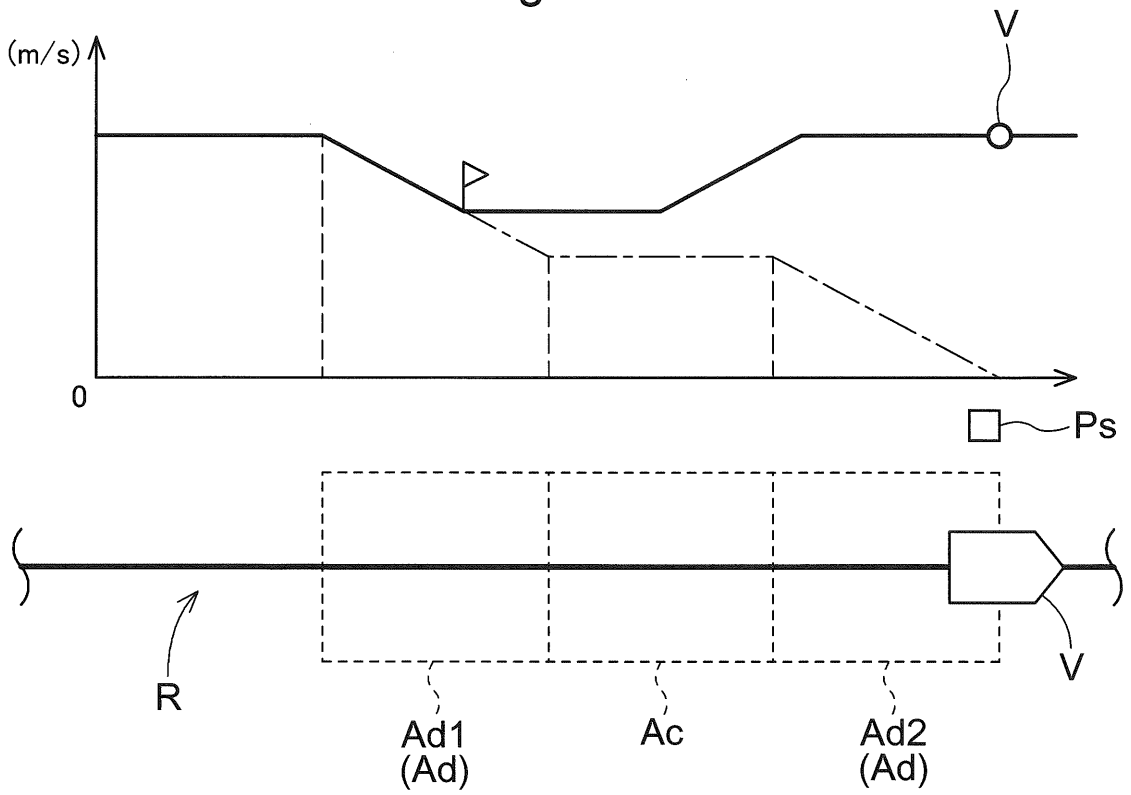


Fig.11

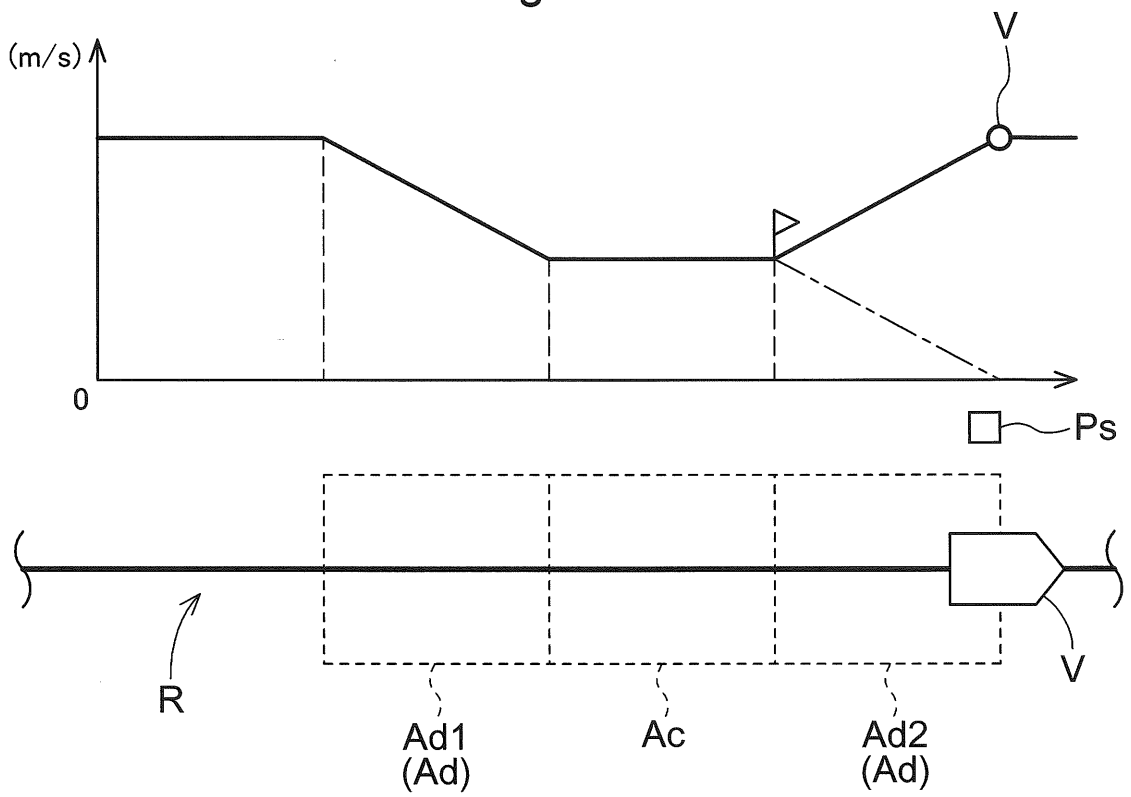


Fig.12

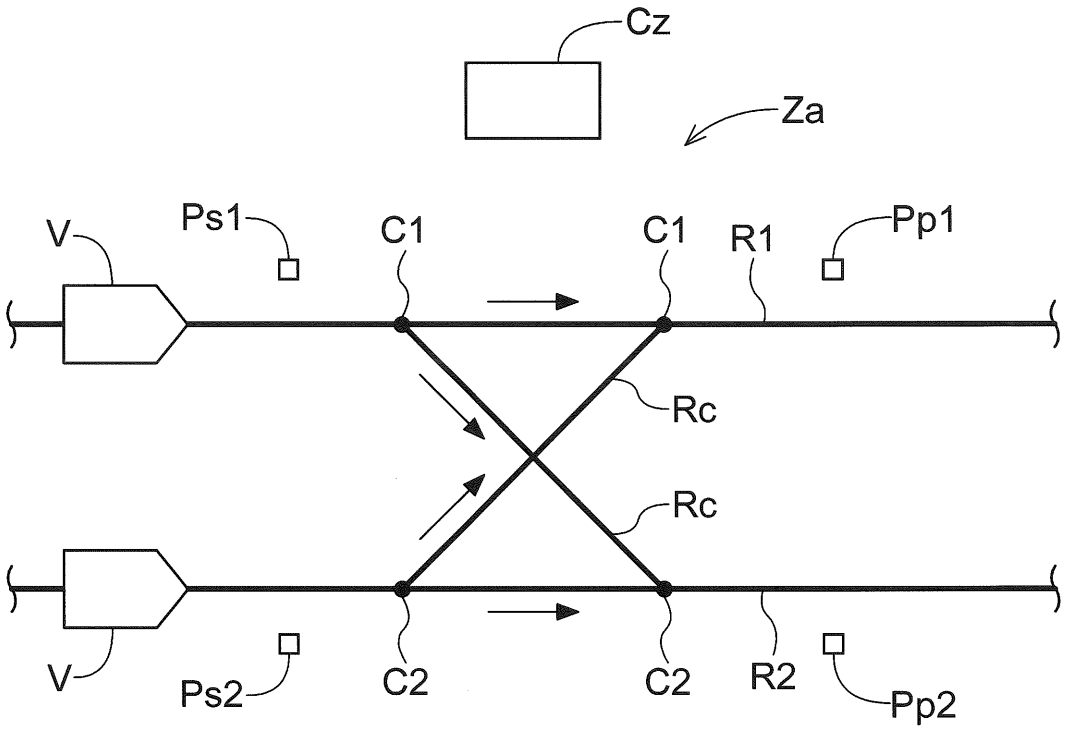

Cz
Za
V
Ps1
C1
C1
R1
Pp1
Rc
Rc
V
Ps2
C2
C2
R2
Pp2

Fig.13

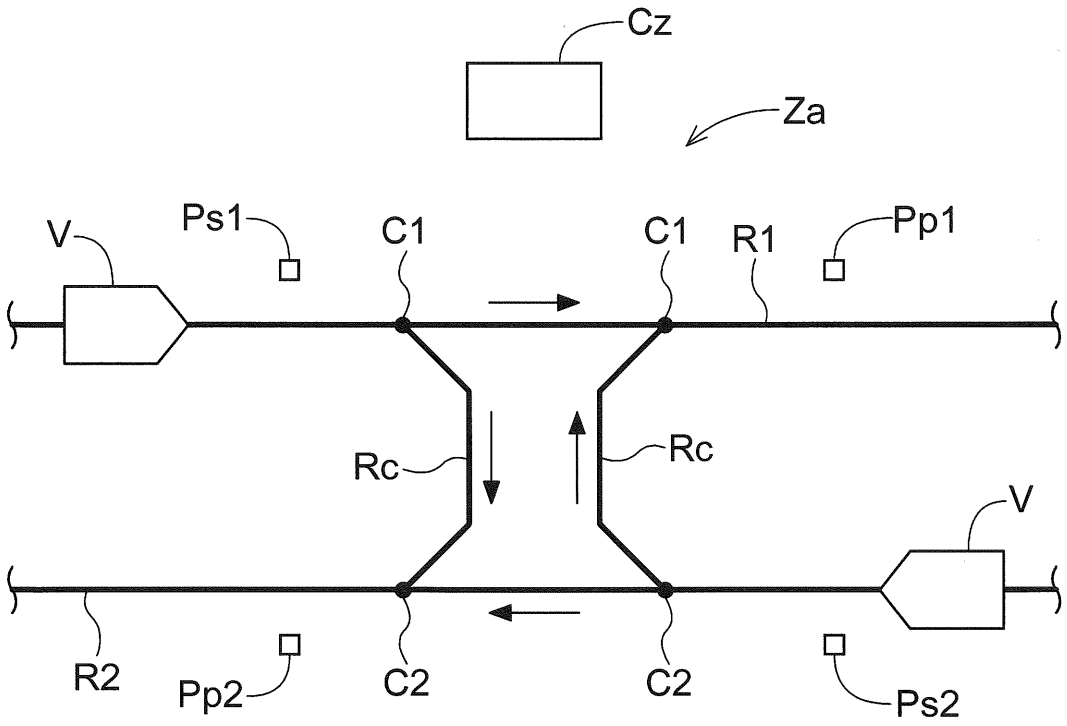

Cz
Za
V
Ps1
C1
C1
R1
Pp1
Rc
Rc
V
R2
Pp2
C2
C2
Ps2

Fig.14

