FIG. 1

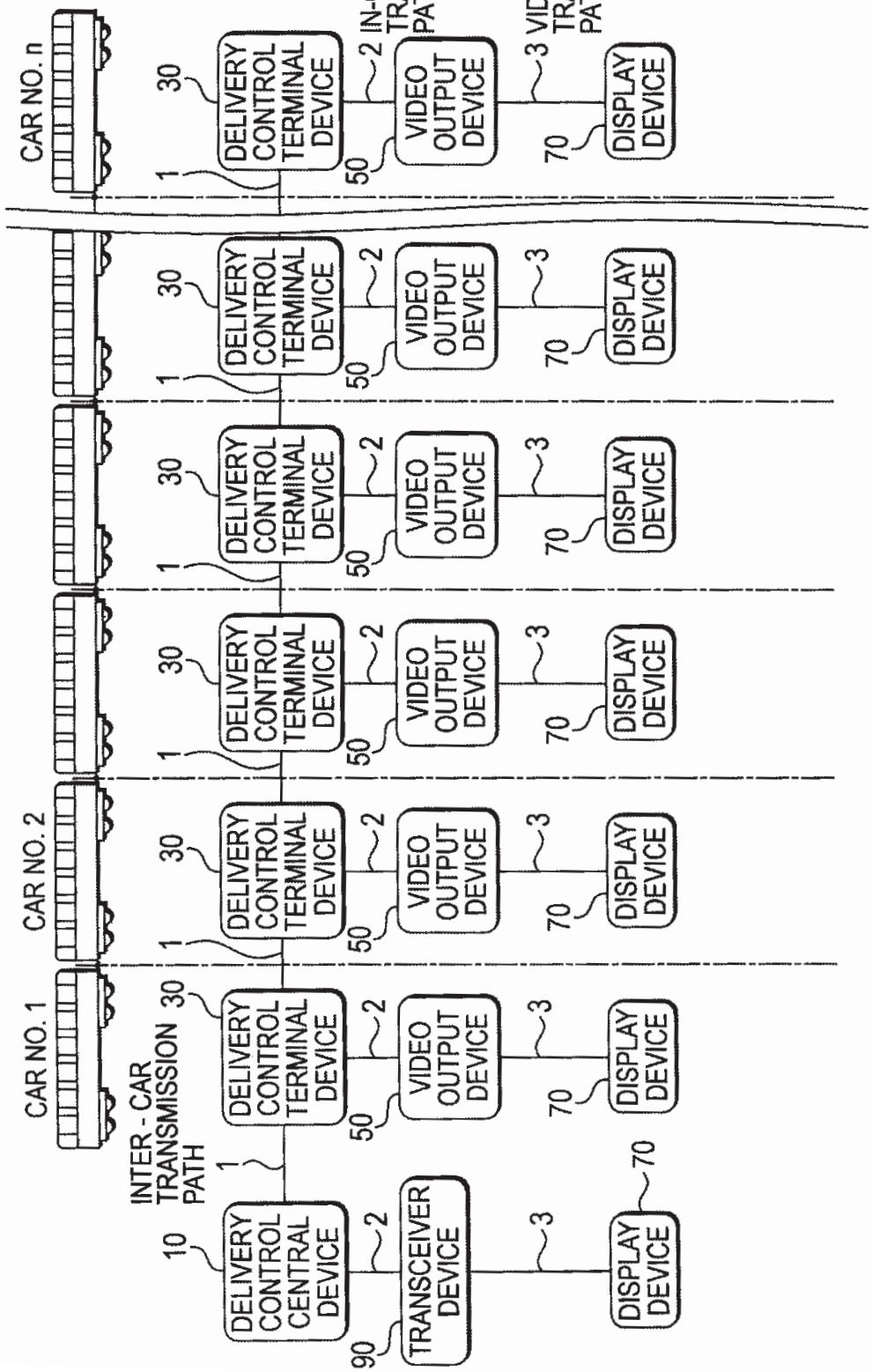

CAR NO. 1
CAR NO. 2
CAR NO. n
INTER - CAR TRANSMISSION PATH
IN-CAR TRANSMISSION PATH
VIDEO SIGNAL TRANSMISSION PATH
10
DELIVERY CONTROL CENTRAL DEVICE
TRANSCEIVER DEVICE
90
DISPLAY DEVICE
70
1
2
3
30
DELIVERY CONTROL TERMINAL DEVICE
50
VIDEO OUTPUT DEVICE

FIG. 2

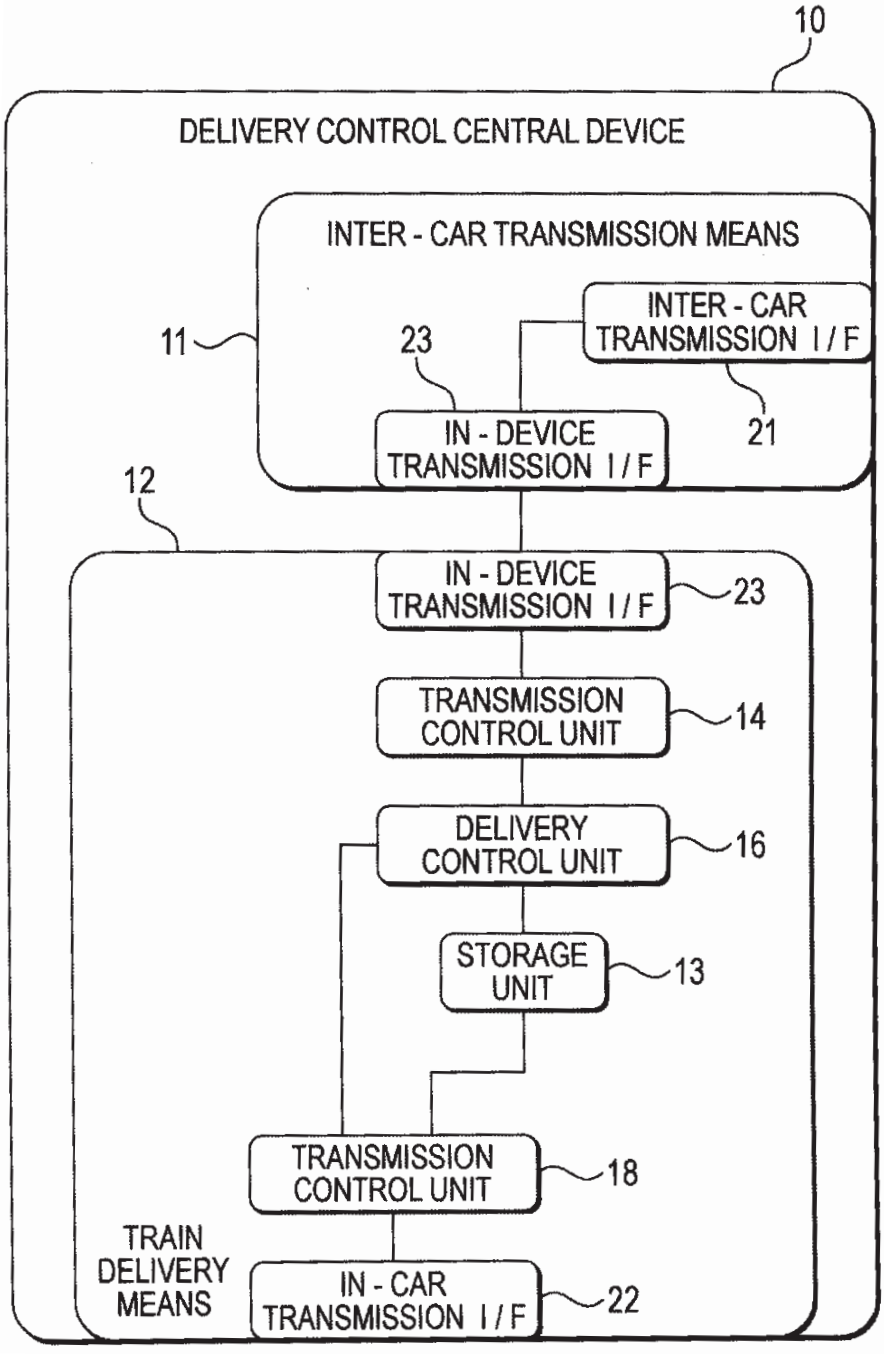

10
DELIVERY CONTROL CENTRAL DEVICE
INTER - CAR TRANSMISSION MEANS
11
INTER - CAR TRANSMISSION I / F
23
21
IN - DEVICE TRANSMISSION I / F
12
IN - DEVICE TRANSMISSION I / F
23
TRANSMISSION CONTROL UNIT
14
DELIVERY CONTROL UNIT
16
STORAGE UNIT
13
TRANSMISSION CONTROL UNIT
18
TRAIN DELIVERY MEANS
IN - CAR TRANSMISSION I / F
22

FIG. 3

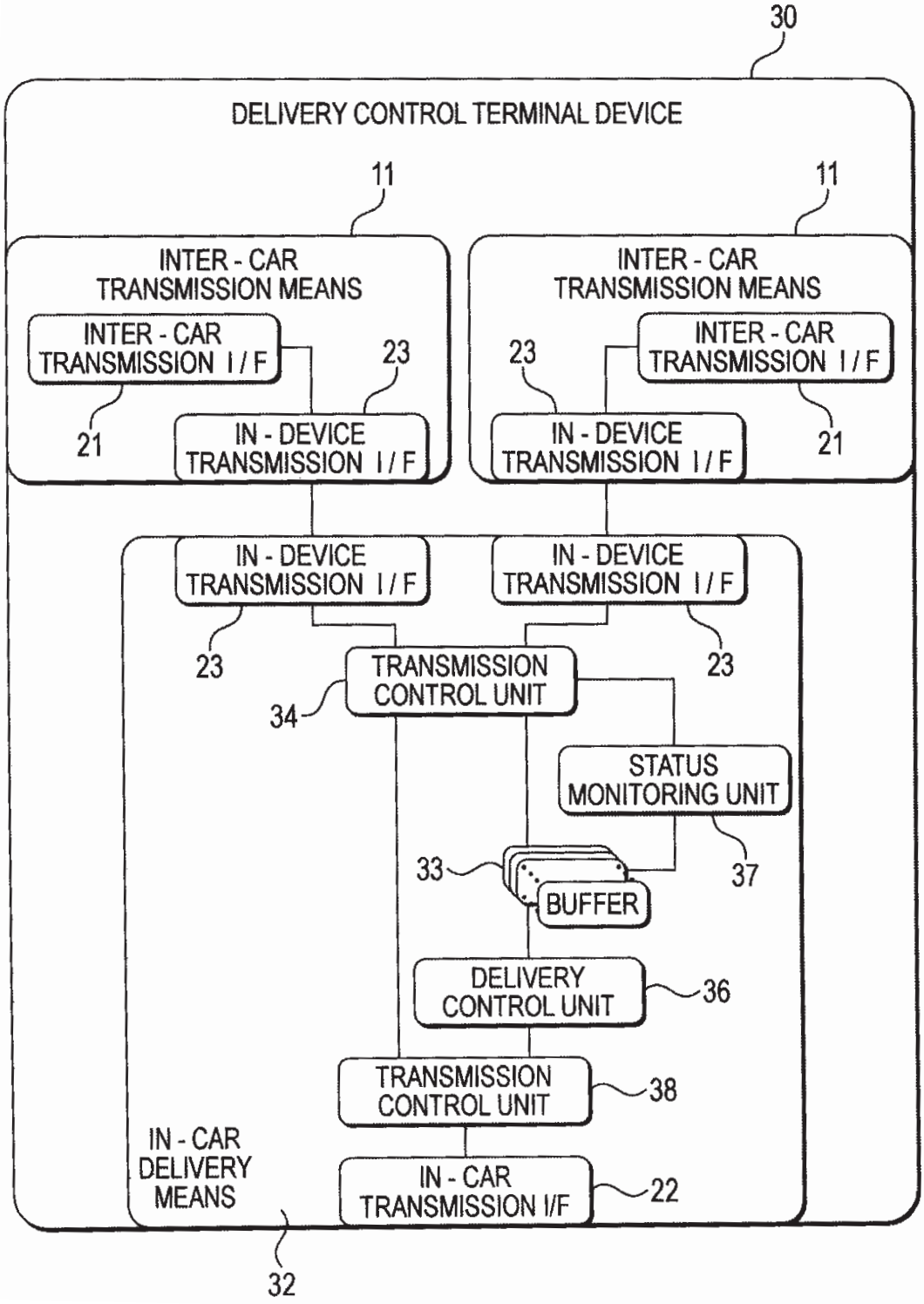

30
DELIVERY CONTROL TERMINAL DEVICE
11
11
INTER - CAR TRANSMISSION MEANS
INTER - CAR TRANSMISSION I / F
21
23
IN - DEVICE TRANSMISSION I / F
INTER - CAR TRANSMISSION MEANS
INTER - CAR TRANSMISSION I / F
23
21
IN - DEVICE TRANSMISSION I / F
IN - DEVICE TRANSMISSION I / F
IN - DEVICE TRANSMISSION I / F
23
23
34
TRANSMISSION CONTROL UNIT
STATUS MONITORING UNIT
33
37
BUFFER
DELIVERY CONTROL UNIT
36
TRANSMISSION CONTROL UNIT
38
IN - CAR DELIVERY MEANS
IN - CAR TRANSMISSION I/F
22
32

FIG. 4

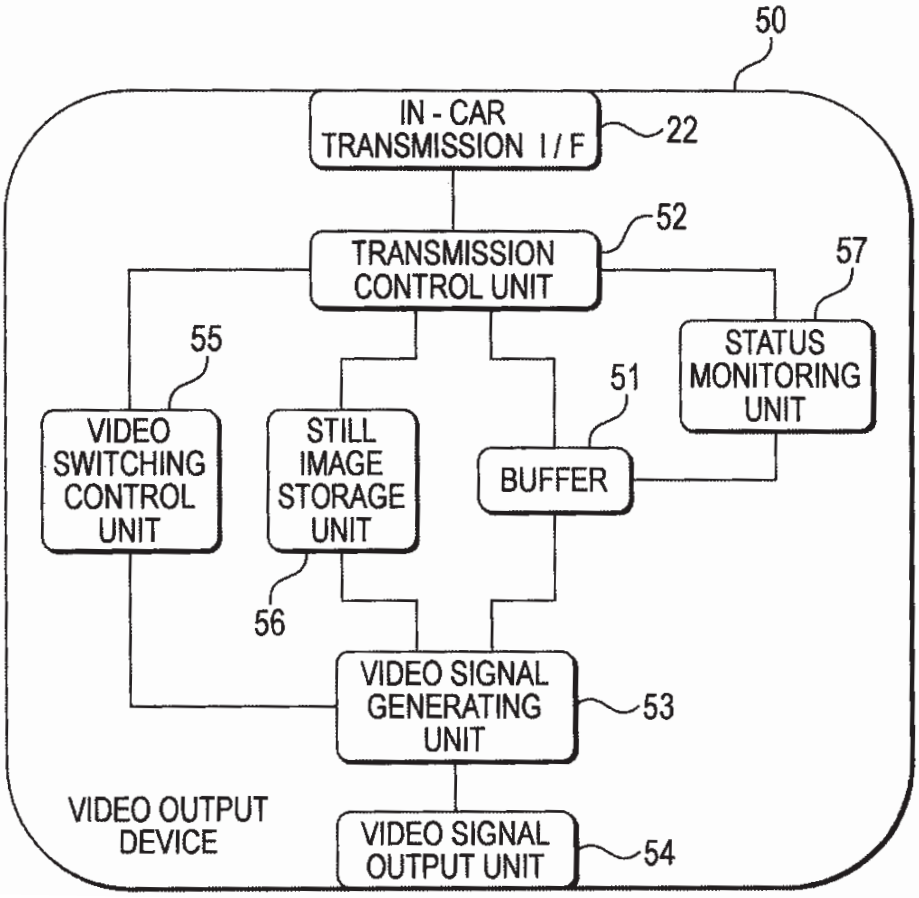

50
IN - CAR TRANSMISSION I / F
22
TRANSMISSION CONTROL UNIT
52
57
STATUS MONITORING UNIT
55
VIDEO SWITCHING CONTROL UNIT
STILL IMAGE STORAGE UNIT
51
BUFFER
56
VIDEO SIGNAL GENERATING UNIT
53
VIDEO OUTPUT DEVICE
VIDEO SIGNAL OUTPUT UNIT
54

FIG. 5

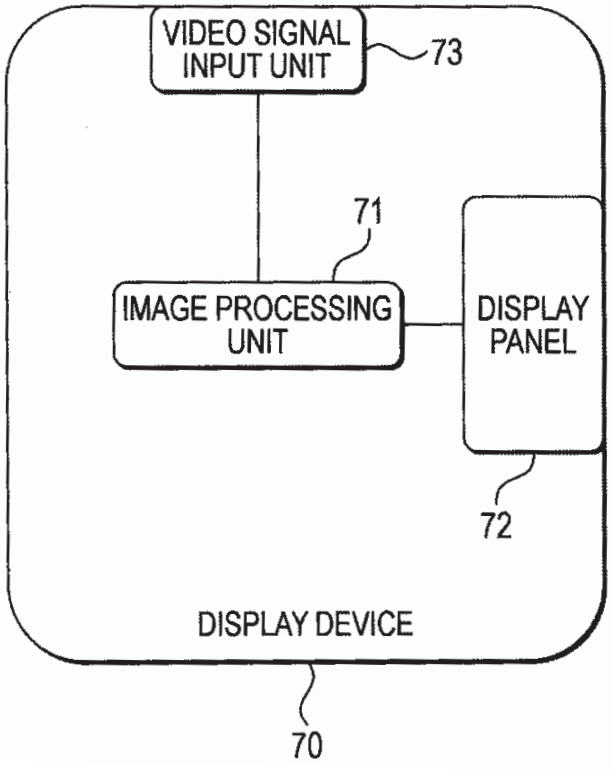

VIDEO SIGNAL INPUT UNIT
73
71
IMAGE PROCESSING UNIT
DISPLAY PANEL
72
DISPLAY DEVICE
70

FIG. 6

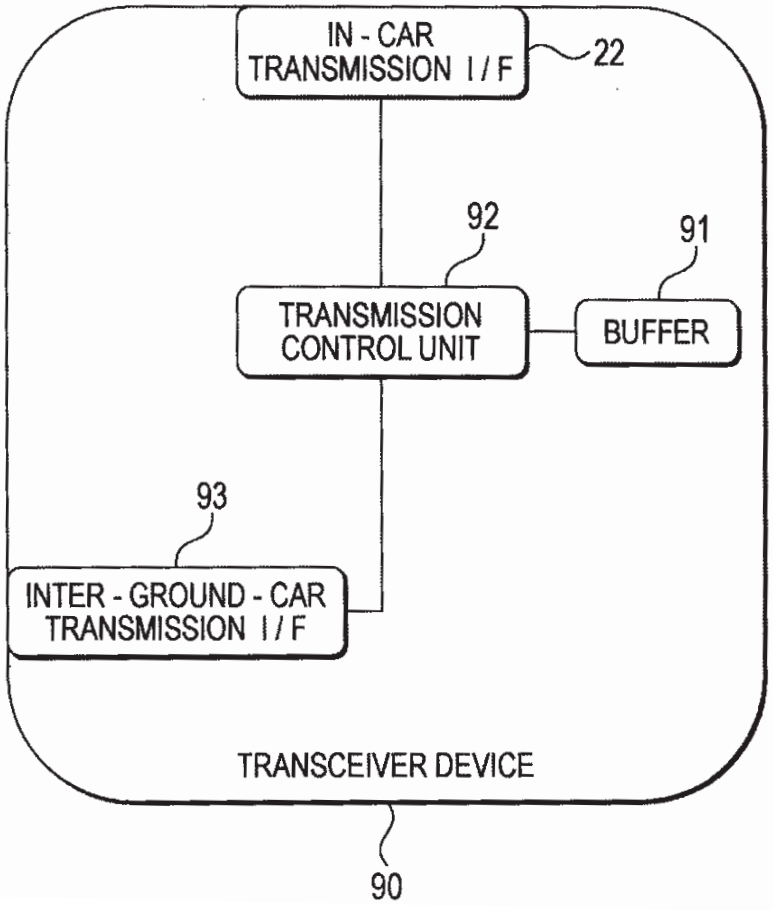

IN - CAR
TRANSMISSION I / F
22
92
91
TRANSMISSION
CONTROL UNIT
BUFFER
93
INTER - GROUND - CAR
TRANSMISSION I / F
TRANSCEIVER DEVICE
90

FIG. 7

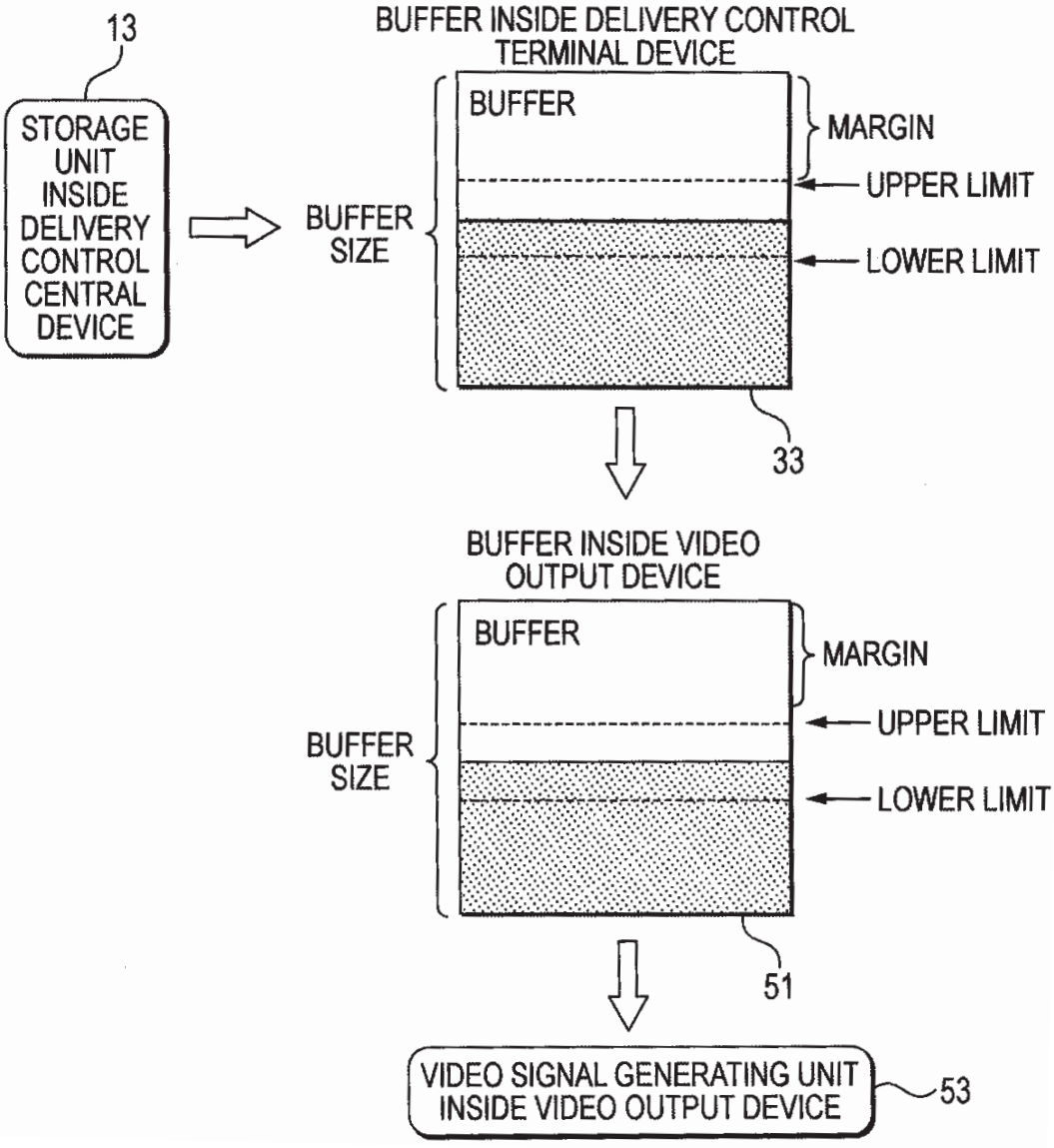

13
STORAGE UNIT INSIDE DELIVERY CONTROL CENTRAL DEVICE
BUFFER INSIDE DELIVERY CONTROL TERMINAL DEVICE
BUFFER
MARGIN
UPPER LIMIT
LOWER LIMIT
BUFFER SIZE
33
BUFFER INSIDE VIDEO OUTPUT DEVICE
BUFFER
MARGIN
UPPER LIMIT
LOWER LIMIT
BUFFER SIZE
51
VIDEO SIGNAL GENERATING UNIT INSIDE VIDEO OUTPUT DEVICE
53

FIG. 8

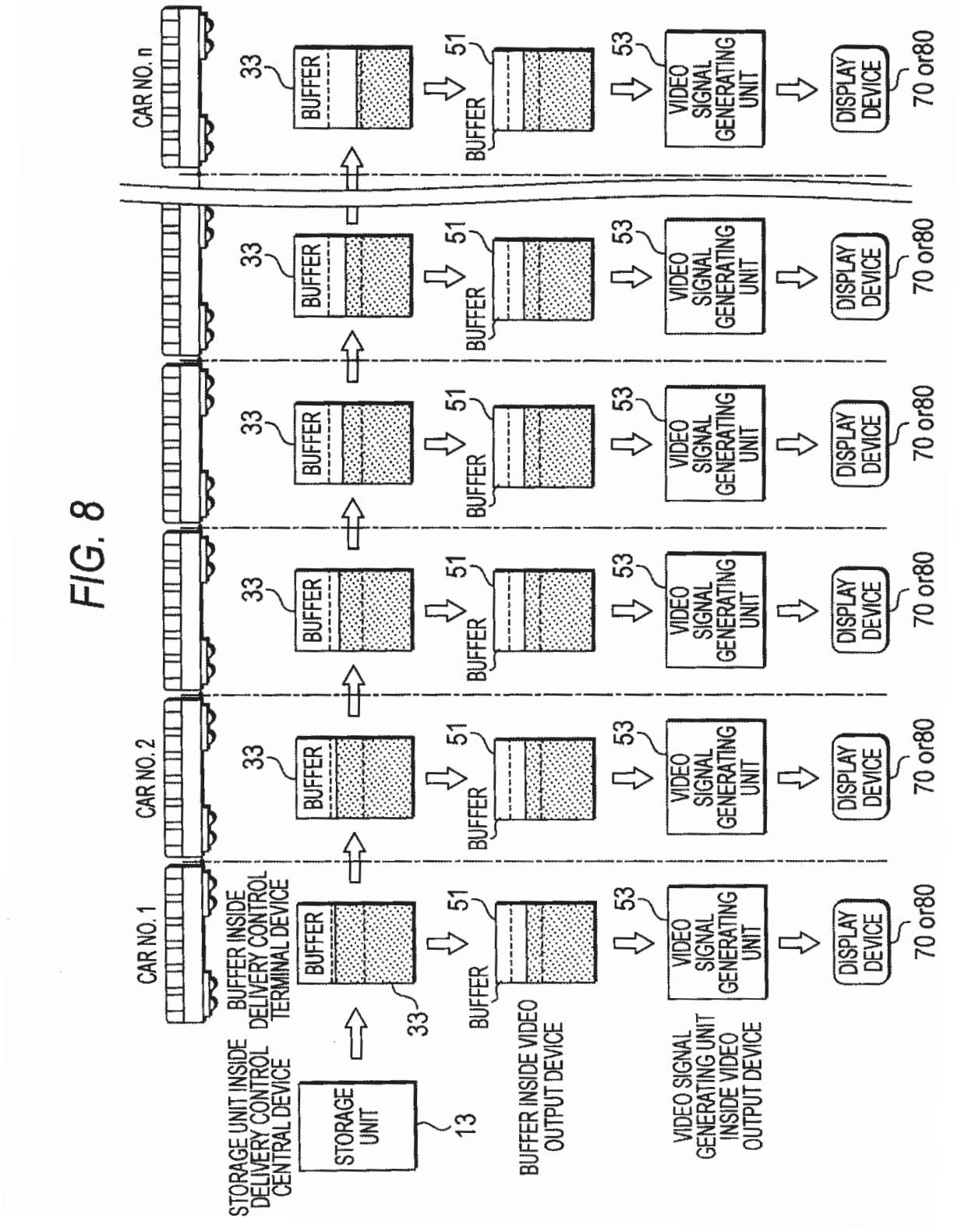

CAR NO. 1
CAR NO. 2
CAR NO. n
STORAGE UNIT INSIDE DELIVERY CONTROL CENTRAL DEVICE
STORAGE UNIT
13
BUFFER INSIDE DELIVERY CONTROL TERMINAL DEVICE
BUFFER
33
BUFFER INSIDE VIDEO OUTPUT DEVICE
BUFFER
51
VIDEO SIGNAL GENERATING UNIT INSIDE VIDEO OUTPUT DEVICE
VIDEO SIGNAL GENERATING UNIT
53
DISPLAY DEVICE
70 or80

FIG. 9

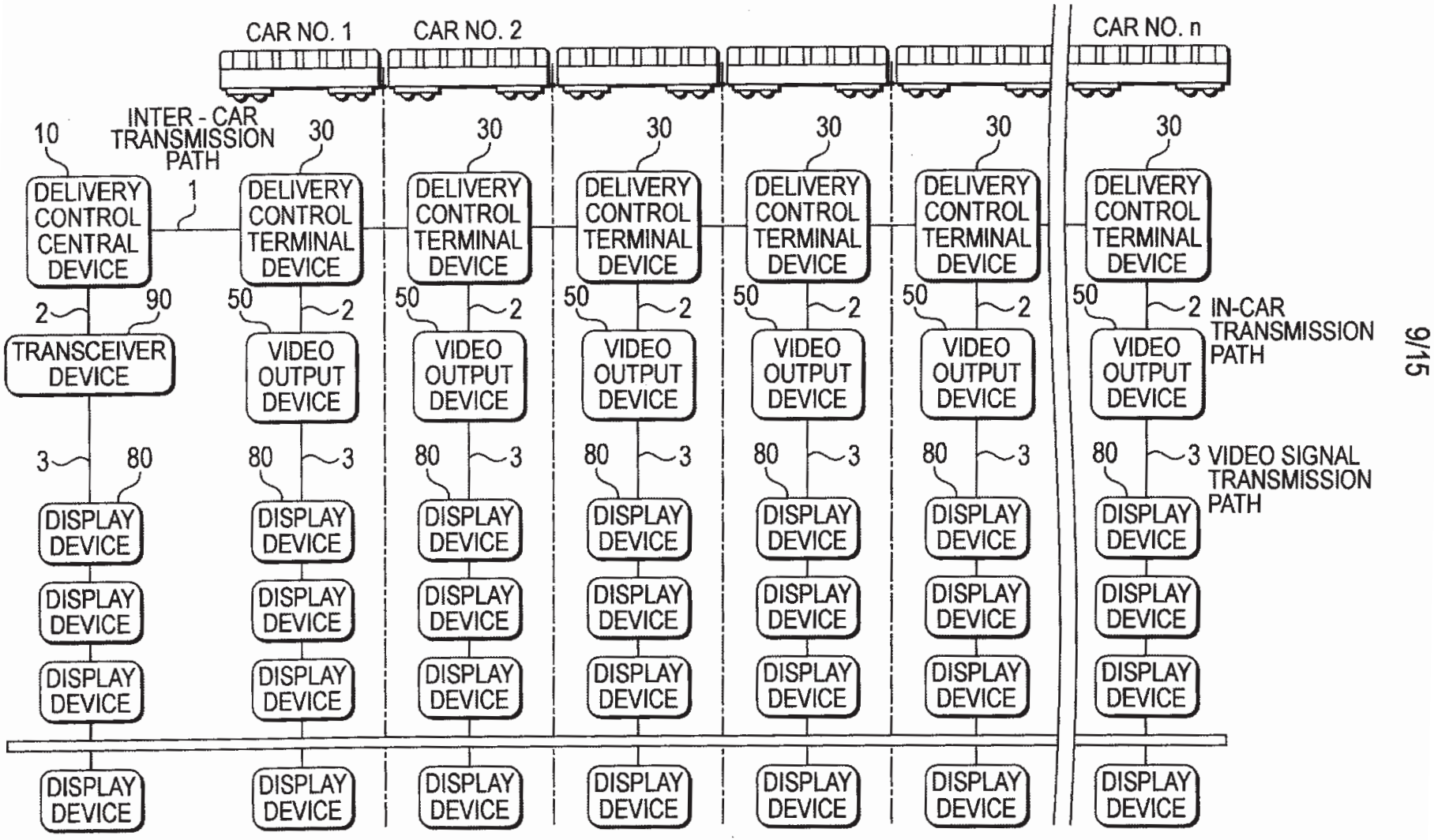

CAR NO. 1
CAR NO. 2
CAR NO. n
INTER - CAR TRANSMISSION PATH
10
30
1
DELIVERY CONTROL CENTRAL DEVICE
DELIVERY CONTROL TERMINAL DEVICE
2
90
50
TRANSCEIVER DEVICE
VIDEO OUTPUT DEVICE
IN-CAR TRANSMISSION PATH
3
80
DISPLAY DEVICE
VIDEO SIGNAL TRANSMISSION PATH

FIG. 10

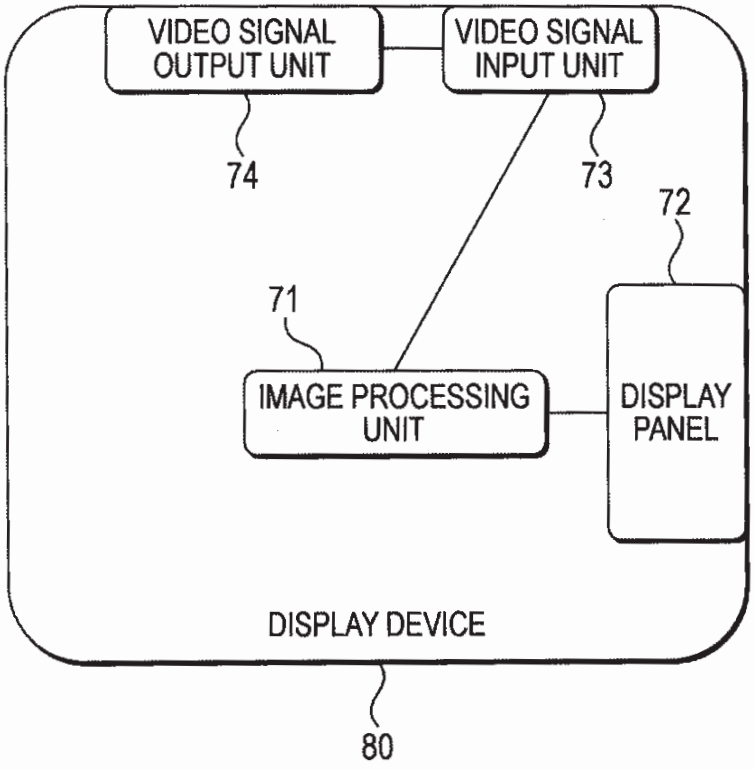

VIDEO SIGNAL OUTPUT UNIT
VIDEO SIGNAL INPUT UNIT
74
73
72
71
IMAGE PROCESSING UNIT
DISPLAY PANEL
DISPLAY DEVICE
80

FIG. 11

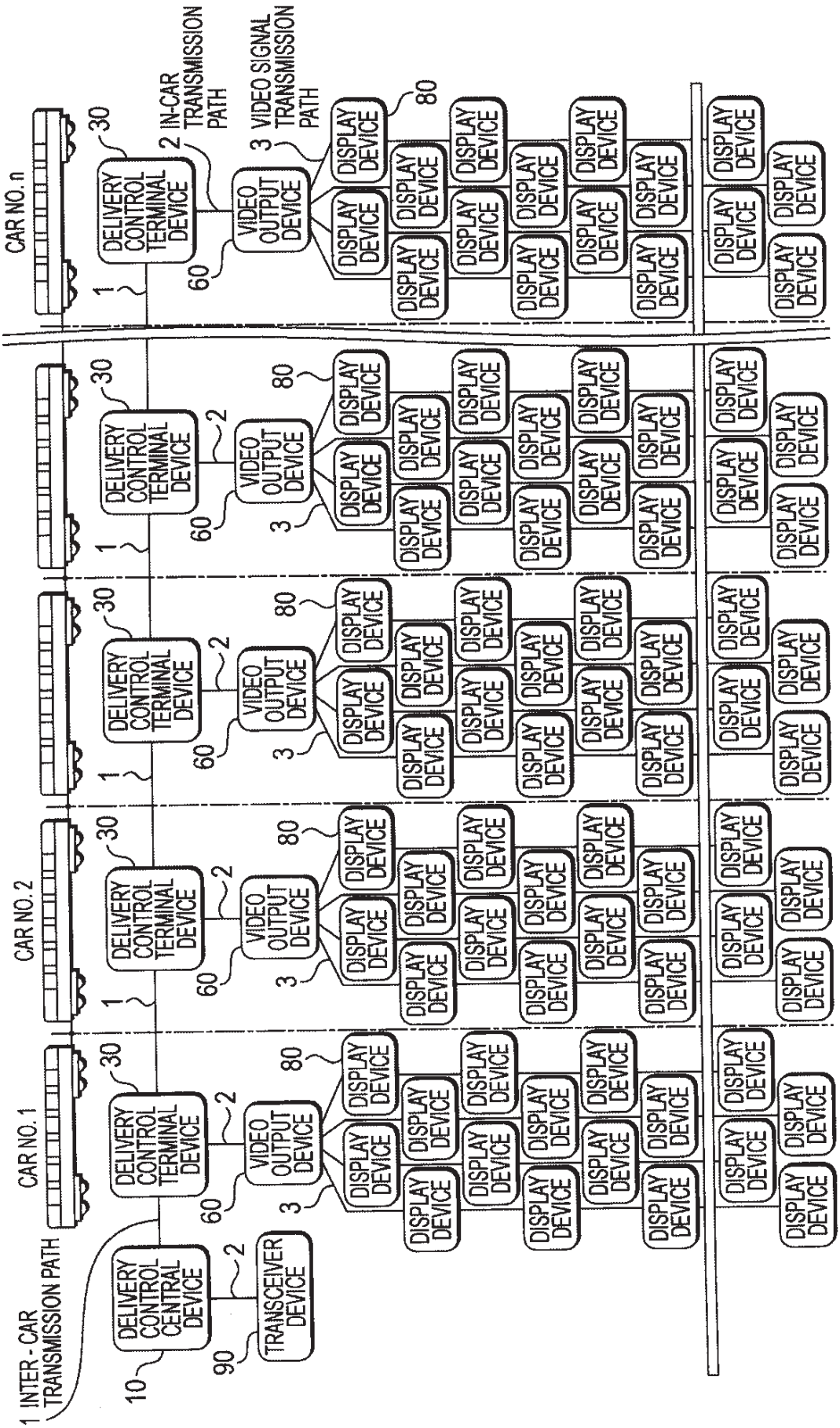

1 INTER-CAR TRANSMISSION PATH
DELIVERY CONTROL CENTRAL DEVICE
10
TRANSCEIVER DEVICE
90
2
CAR NO. 1
CAR NO. 2
CAR NO. n
DELIVERY CONTROL TERMINAL DEVICE
30
1
2 IN-CAR TRANSMISSION PATH
VIDEO OUTPUT DEVICE
60
3
3 VIDEO SIGNAL TRANSMISSION PATH
80
DISPLAY DEVICE

FIG. 12

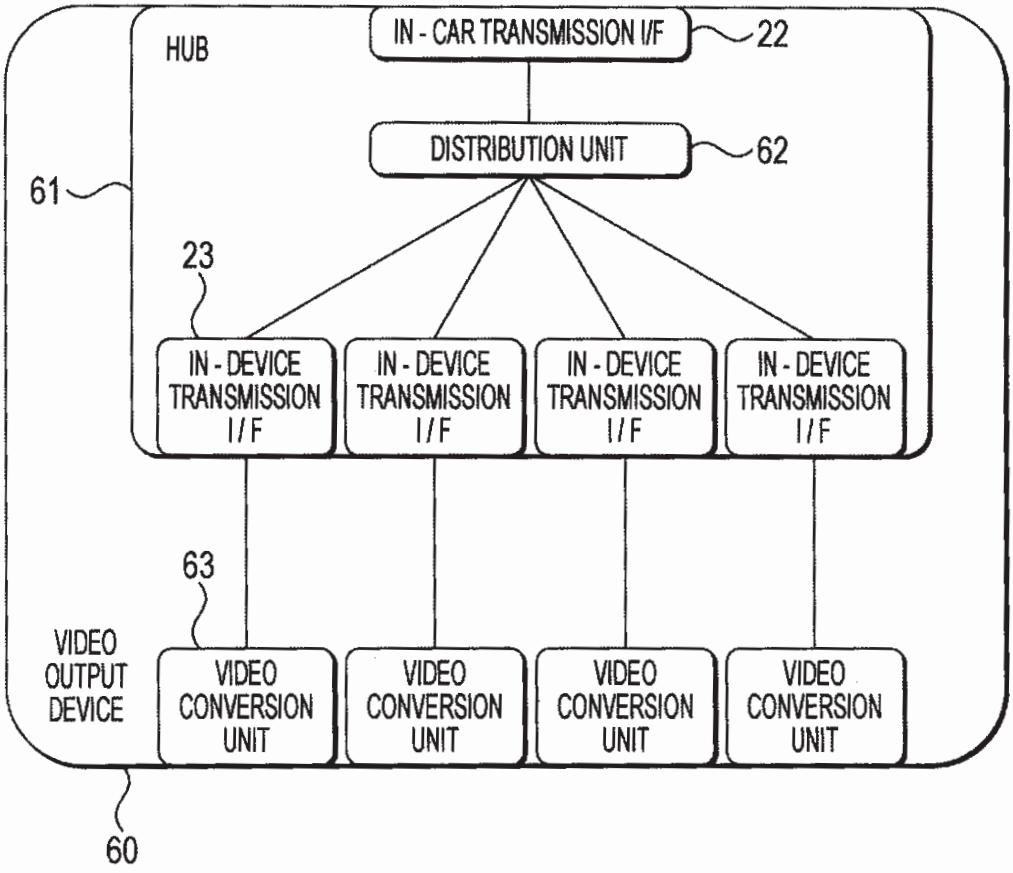

HUB
IN - CAR TRANSMISSION I/F
22
DISTRIBUTION UNIT
62
61
23
IN - DEVICE TRANSMISSION I/F
IN - DEVICE TRANSMISSION I/F
IN - DEVICE TRANSMISSION I/F
IN - DEVICE TRANSMISSION I/F
63
VIDEO OUTPUT DEVICE
VIDEO CONVERSION UNIT
VIDEO CONVERSION UNIT
VIDEO CONVERSION UNIT
VIDEO CONVERSION UNIT
60

FIG. 13

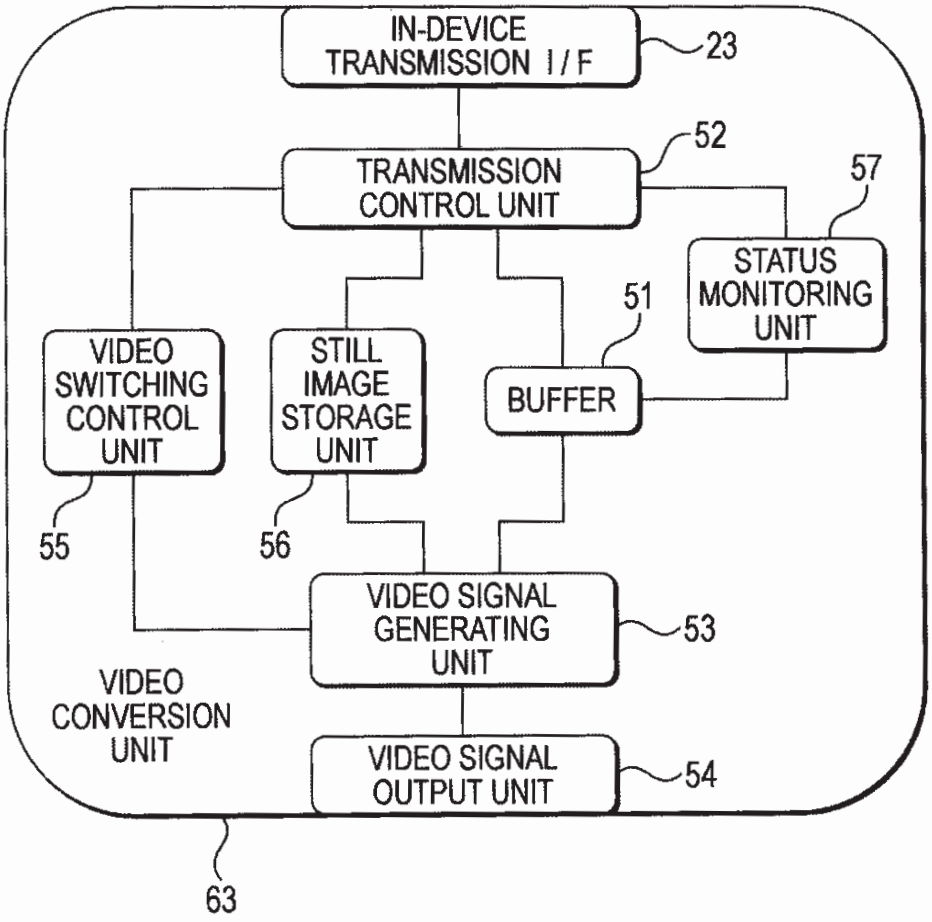
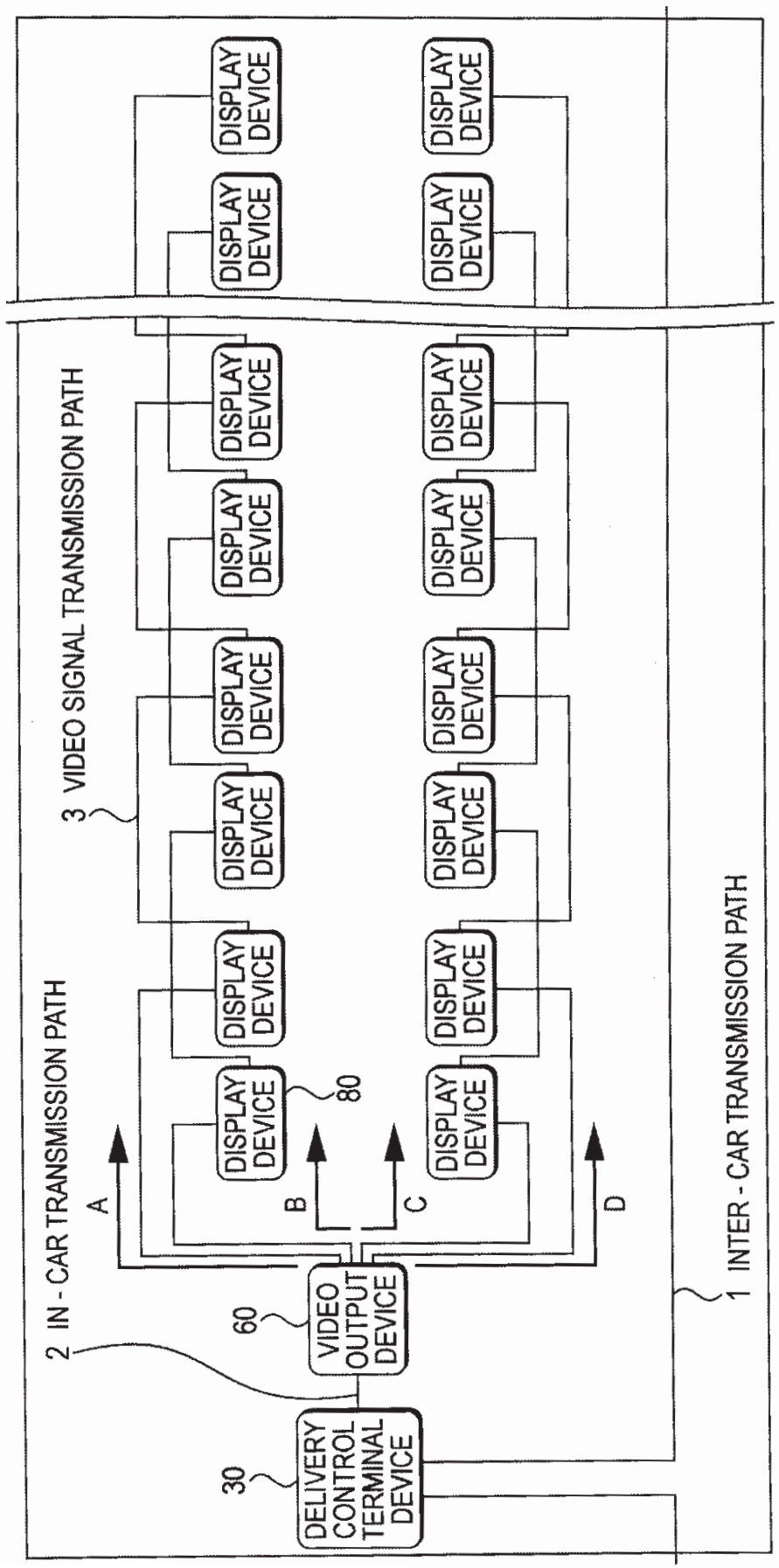

IN-DEVICE TRANSMISSION I / F
23
TRANSMISSION CONTROL UNIT
52
57
STATUS MONITORING UNIT
51
VIDEO SWITCHING CONTROL UNIT
STILL IMAGE STORAGE UNIT
BUFFER
55
56
VIDEO SIGNAL GENERATING UNIT
53
VIDEO CONVERSION UNIT
VIDEO SIGNAL OUTPUT UNIT
54
63

FIG. 14


1 INTER - CAR TRANSMISSION PATH
2 IN - CAR TRANSMISSION PATH
3 VIDEO SIGNAL TRANSMISSION PATH
30
DELIVERY CONTROL TERMINAL DEVICE
60
VIDEO OUTPUT DEVICE
80
A
B
C
D
DISPLAY DEVICE

# FIG. 15

CONTENTS DISPLAY SCHEDULES AND DISPLAY COMMANDS

| SCHEDULE | | | | | DISPLAY COMMANDS | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TIME | A | B | C | D | CH | NOW | NEXT | ADJACENT | LAST |
| | #000 | #000 | #000 | #000 | A | #000 | #001 | 1 | 10 |
| 5:00:00～ | #001 | #002 | #003 | #004 | A | #001 | #005 | 1 | 10 |
| 5:00:15～ | #005 | #001 | #006 | #003 | A | #005 | #101 | 1 | 10 |
| 5:00:30～ | | #103 | | #104 | A | #005 | #101 | 1 | 10 |
| 5:00:45～ | #101 | | #102 | | A | #101 | #105 | 1 | 10 |
| 5:01:00～ | #105 | #106 | #107 | #108 | A | #105 | #003 | 1 | 10 |
| 5:01:15～ | | | | | A | #105 | #003 | 1 | 10 |
| 5:01:30～ | #003 | #004 | #001 | #002 | A | #003 | #005 | 1 | 10 |
| 5:01:45～ | #005 | #006 | #005 | #006 | · | · | · | · | · |
| 5:02:00～ | · | · | · | · | · | · | · | · | · |
| · | · | · | · | · | · | · | · | · | · |

#000: INITIAL SCREEN
#001 TO #006: STILL IMAGE CONTENTS
#101 TO #108: MOVING IMAGE CONTENTS