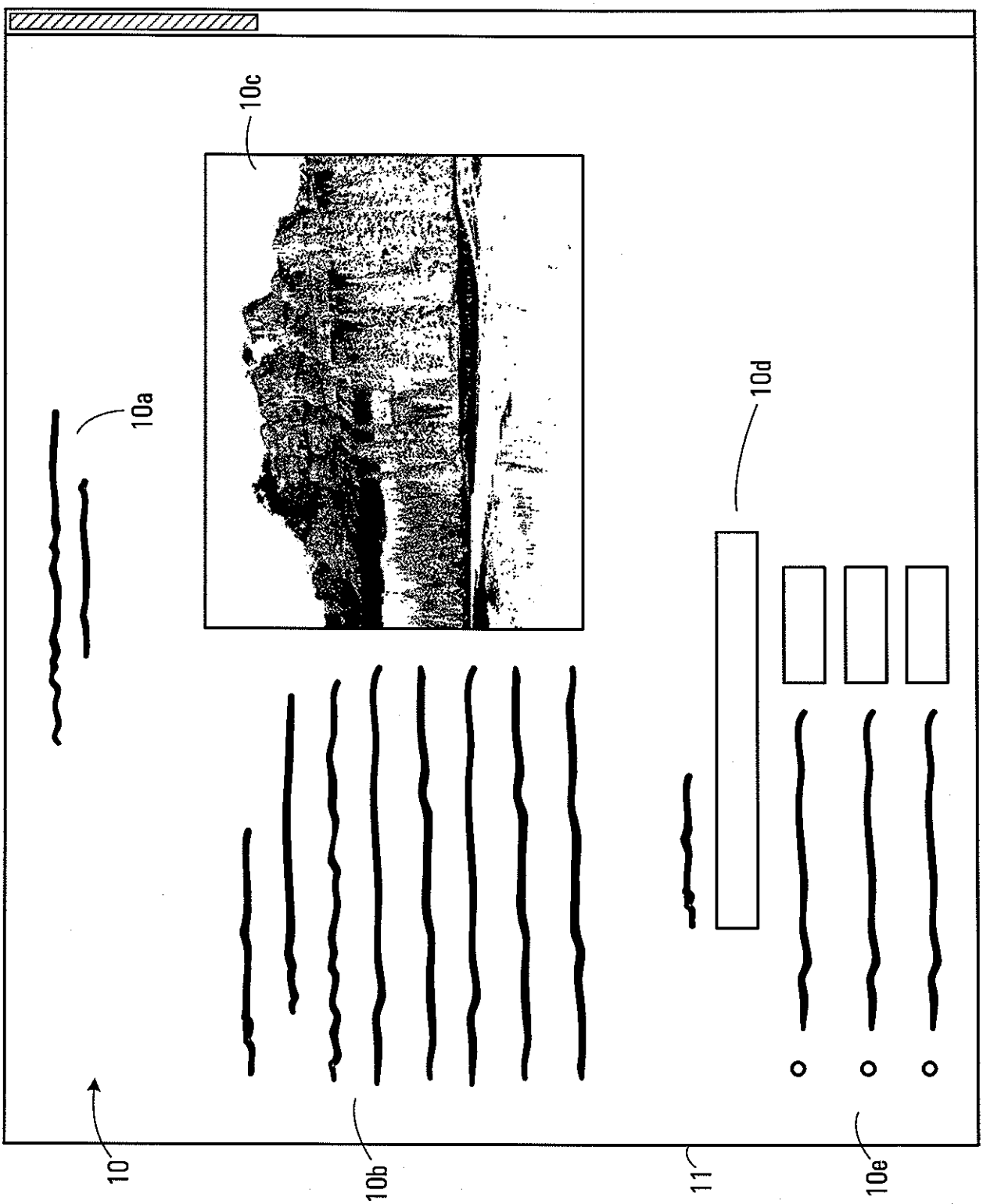


FIG. 1
(Prior Art)

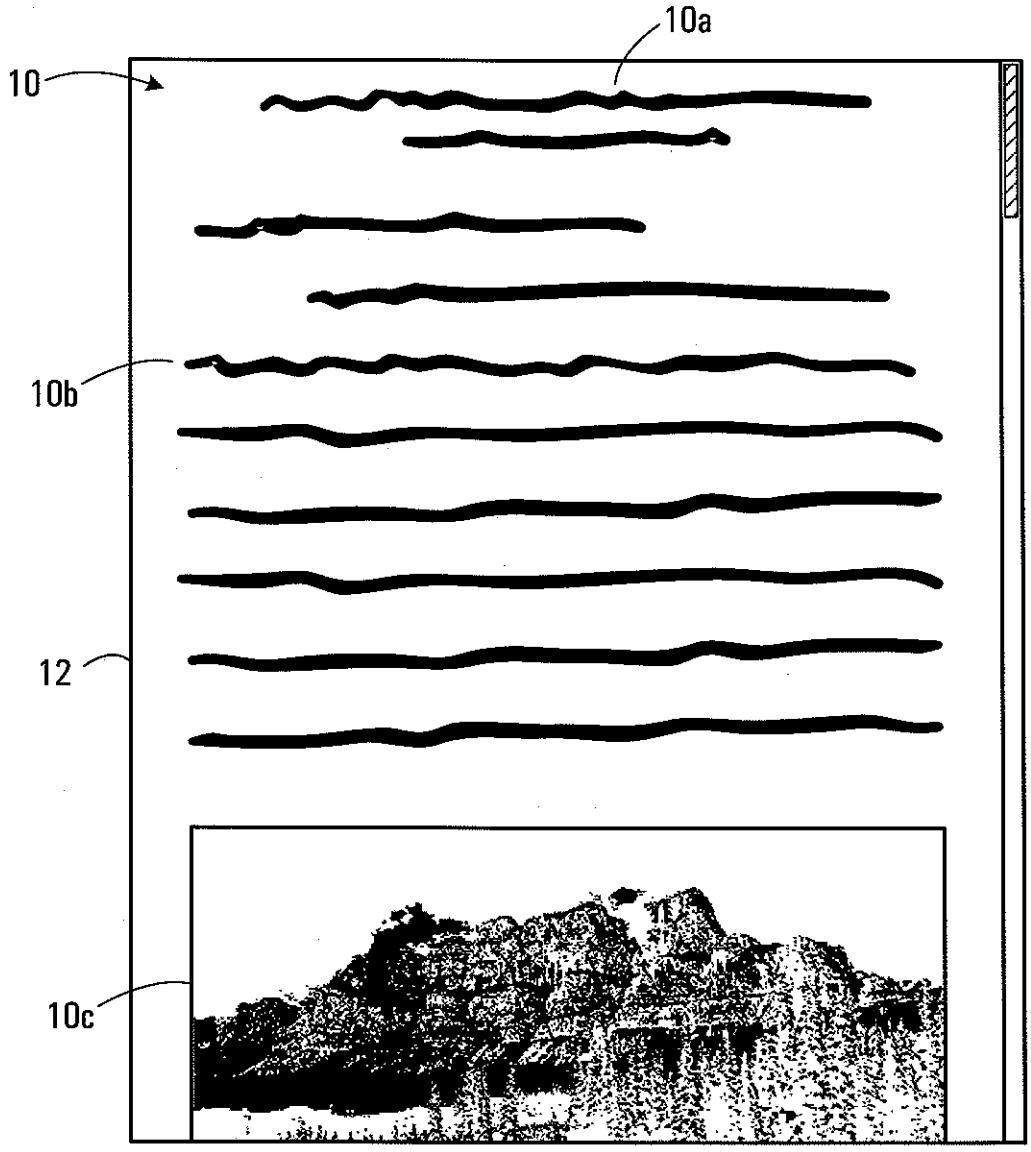


FIG. 2
(Prior Art)

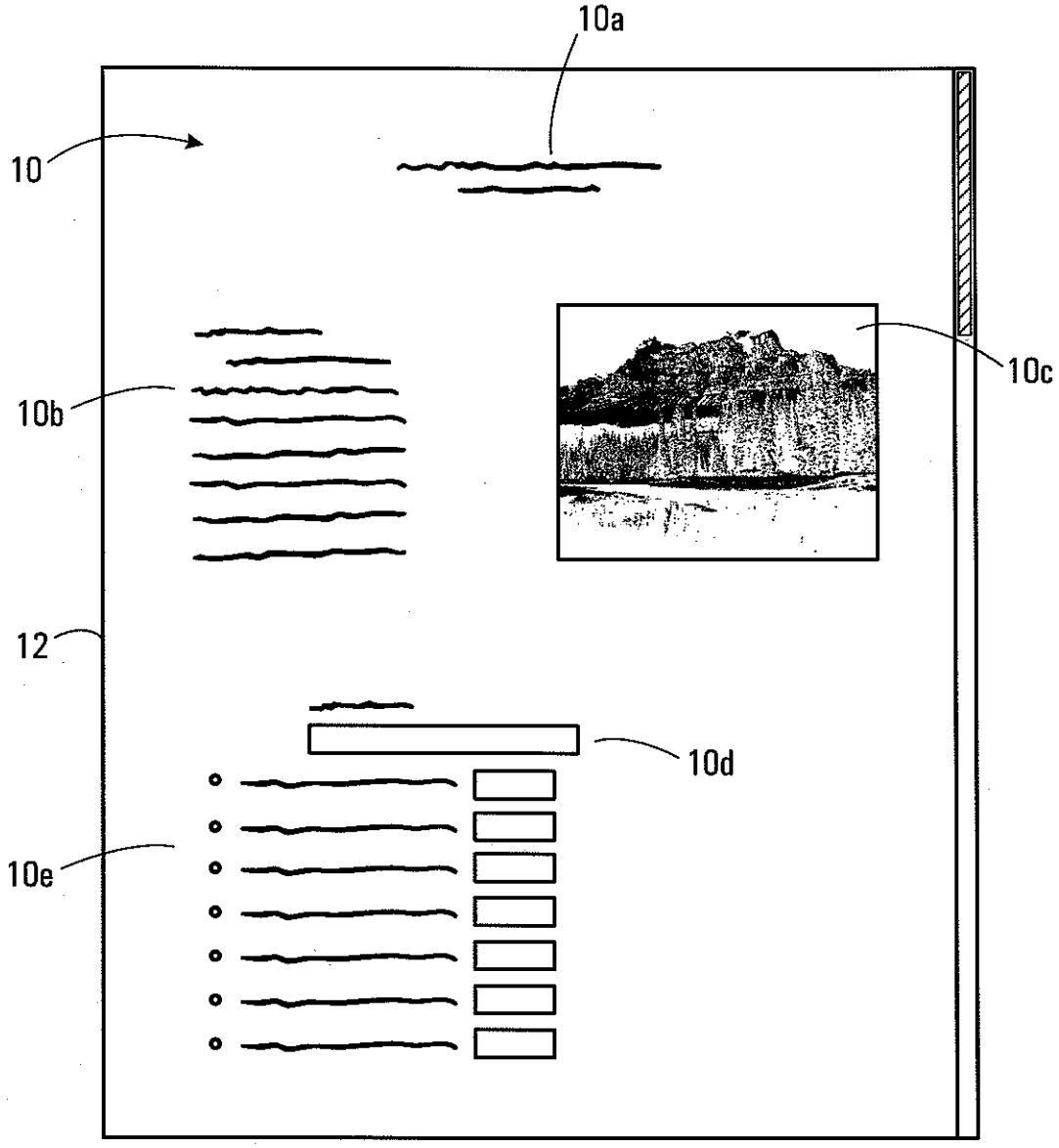


FIG. 3

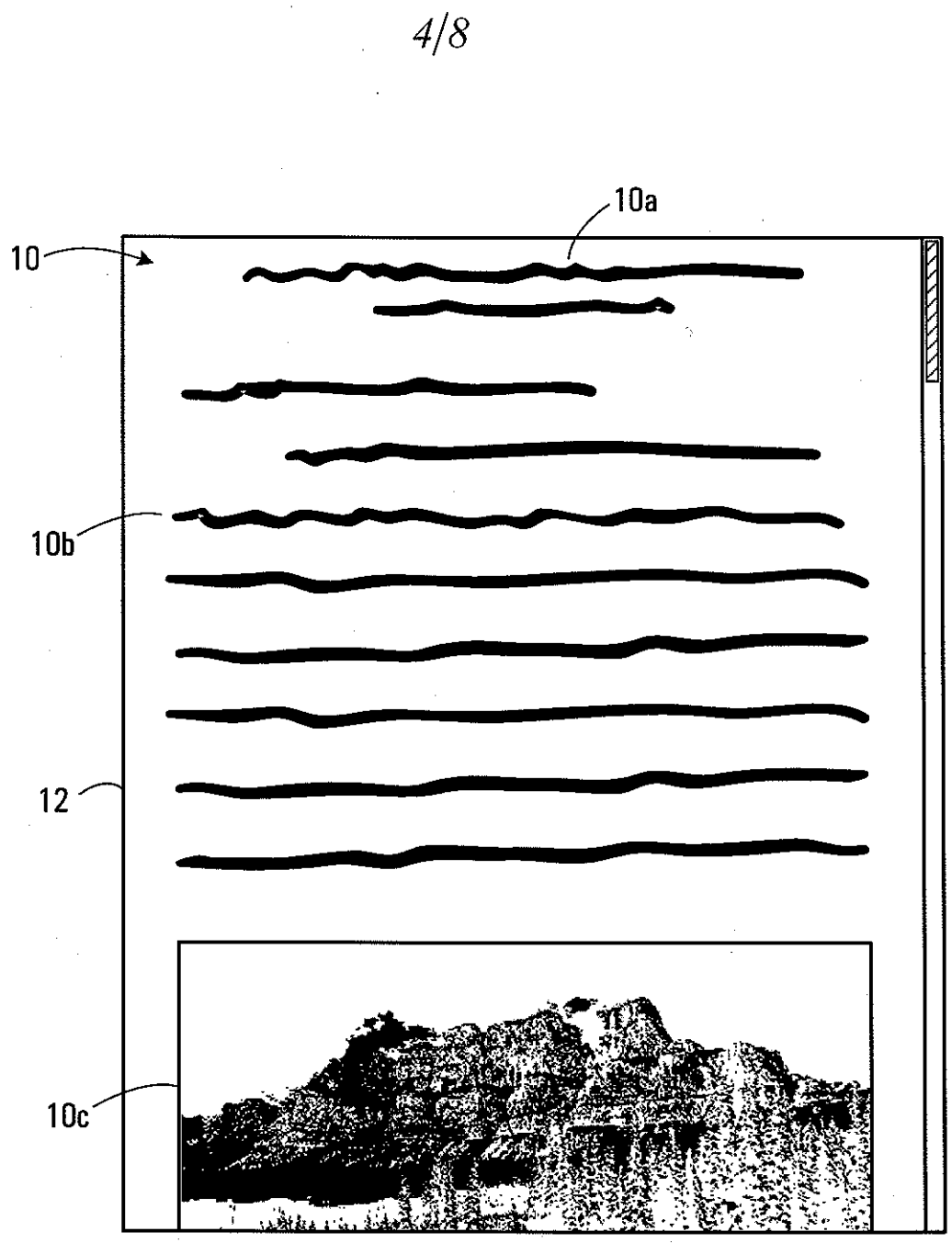


FIG. 4

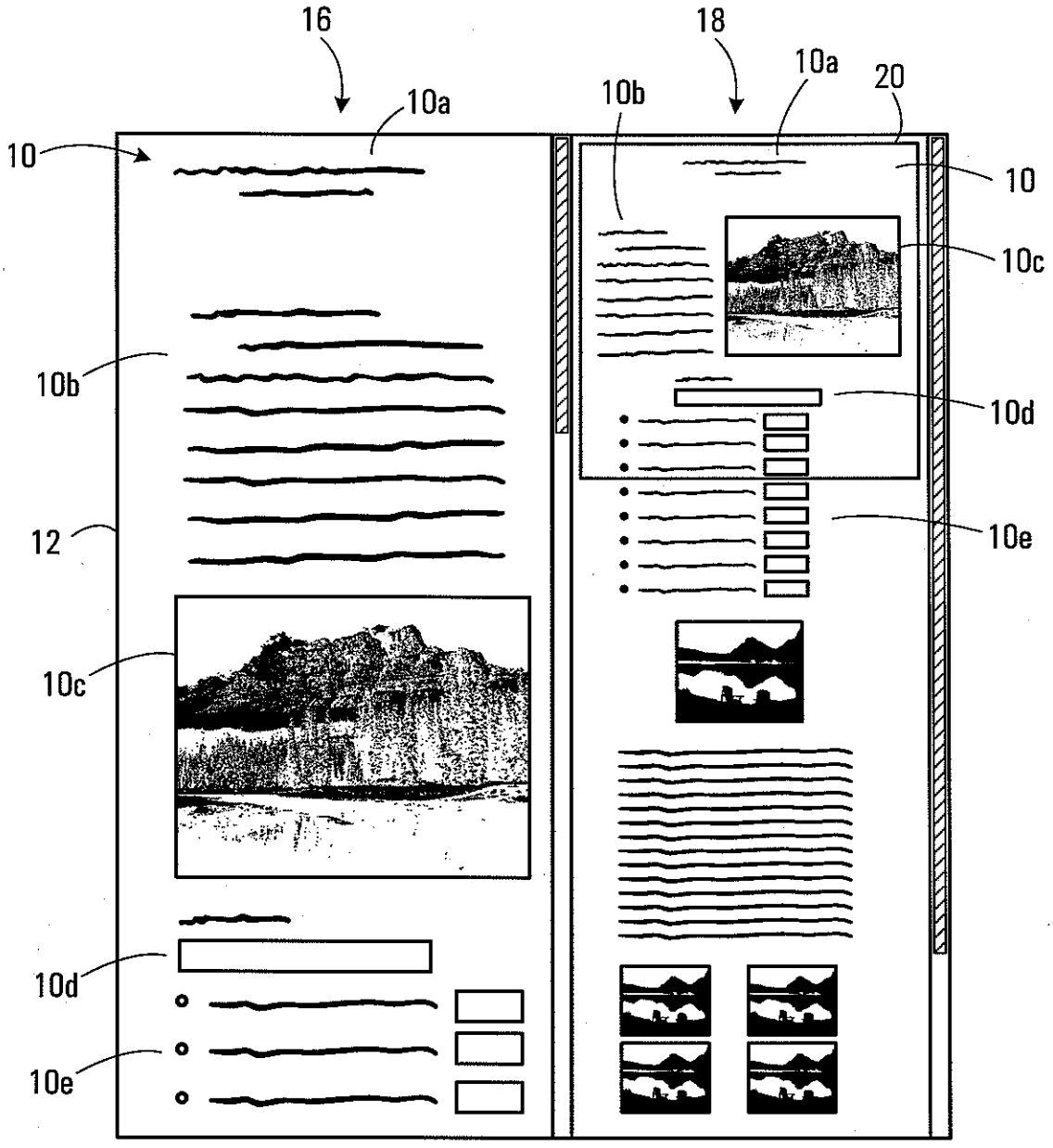


FIG. 5

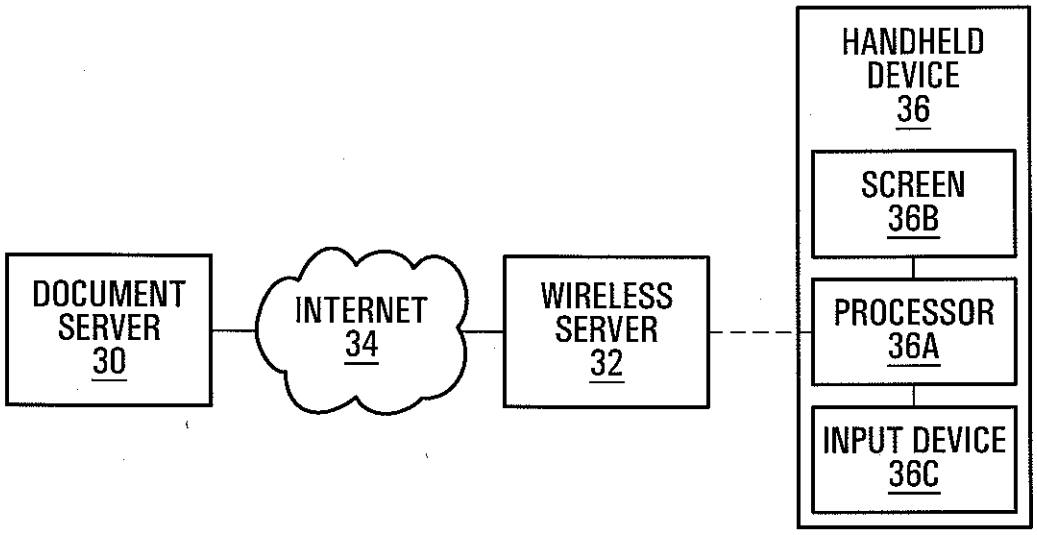

HANDHELD DEVICE 36
SCREEN 36B
PROCESSOR 36A
INPUT DEVICE 36C
DOCUMENT SERVER 30
INTERNET 34
WIRELESS SERVER 32

FIG. 6

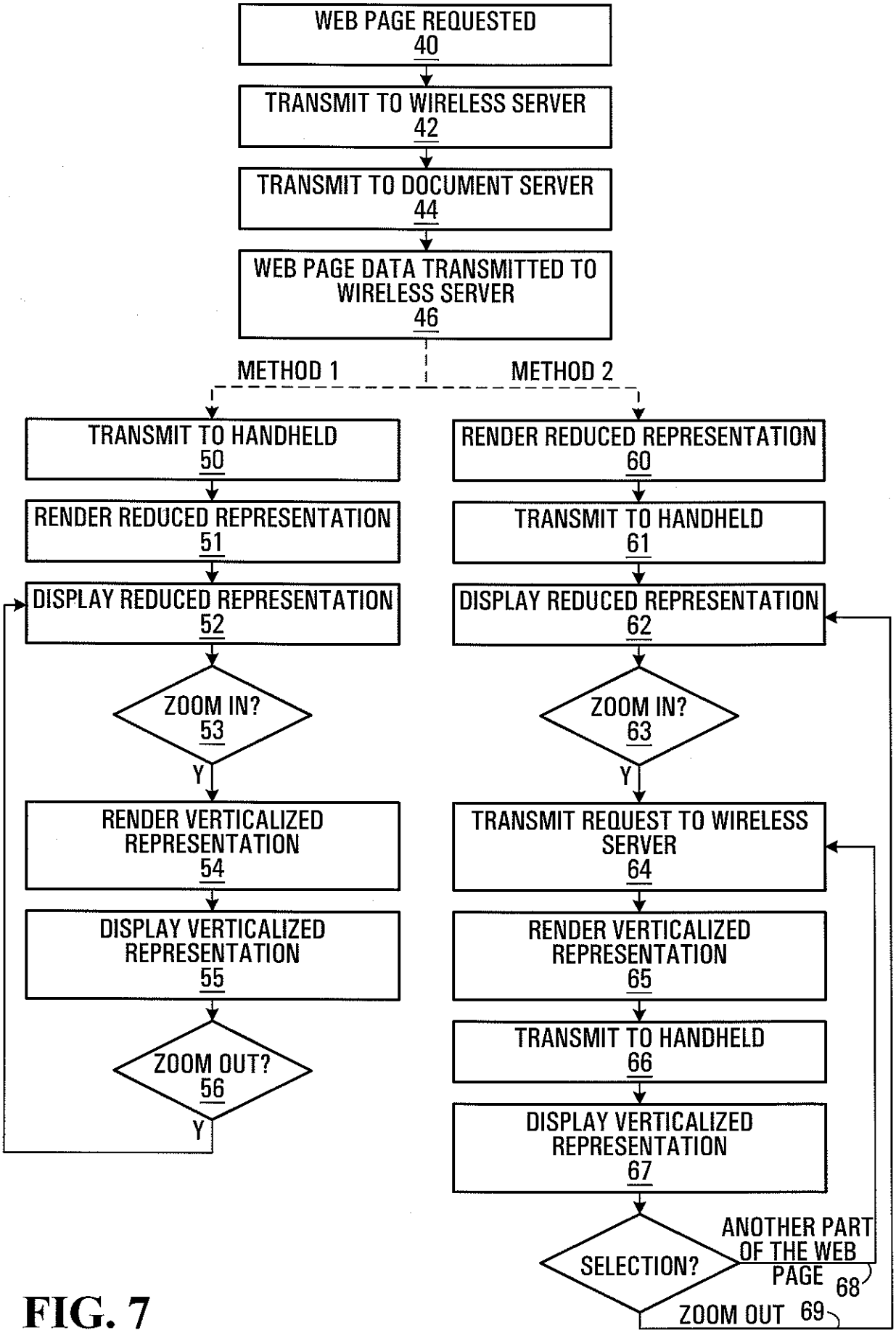

WEB PAGE REQUESTED
40
TRANSMIT TO WIRELESS SERVER
42
TRANSMIT TO DOCUMENT SERVER
44
WEB PAGE DATA TRANSMITTED TO WIRELESS SERVER
46
METHOD 1
METHOD 2
TRANSMIT TO HANDHELD
50
RENDER REDUCED REPRESENTATION
51
DISPLAY REDUCED REPRESENTATION
52
ZOOM IN?
53
Y
RENDER VERTICALIZED REPRESENTATION
54
DISPLAY VERTICALIZED REPRESENTATION
55
ZOOM OUT?
56
Y
RENDER REDUCED REPRESENTATION
60
TRANSMIT TO HANDHELD
61
DISPLAY REDUCED REPRESENTATION
62
ZOOM IN?
63
Y
TRANSMIT REQUEST TO WIRELESS SERVER
64
RENDER VERTICALIZED REPRESENTATION
65
TRANSMIT TO HANDHELD
66
DISPLAY VERTICALIZED REPRESENTATION
67
SELECTION?
ANOTHER PART OF THE WEB PAGE
68
ZOOM OUT
69

FIG. 7

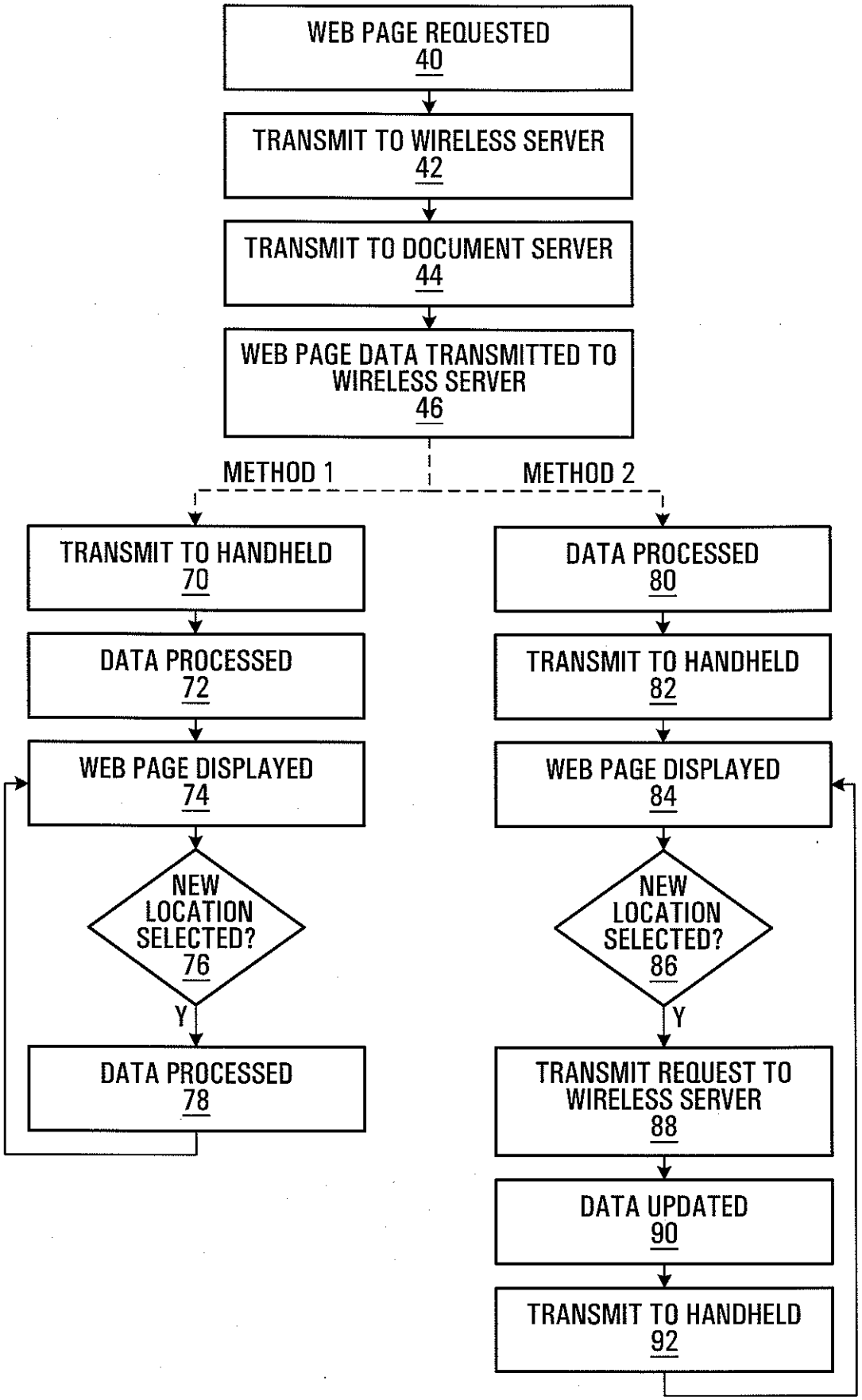

WEB PAGE REQUESTED
40
TRANSMIT TO WIRELESS SERVER
42
TRANSMIT TO DOCUMENT SERVER
44
WEB PAGE DATA TRANSMITTED TO WIRELESS SERVER
46
METHOD 1
METHOD 2
TRANSMIT TO HANDHELD
70
DATA PROCESSED
72
WEB PAGE DISPLAYED
74
NEW LOCATION SELECTED?
76
Y
DATA PROCESSED
78
DATA PROCESSED
80
TRANSMIT TO HANDHELD
82
WEB PAGE DISPLAYED
84
NEW LOCATION SELECTED?
86
Y
TRANSMIT REQUEST TO WIRELESS SERVER
88
DATA UPDATED
90
TRANSMIT TO HANDHELD
92

FIG. 8