FIG.5

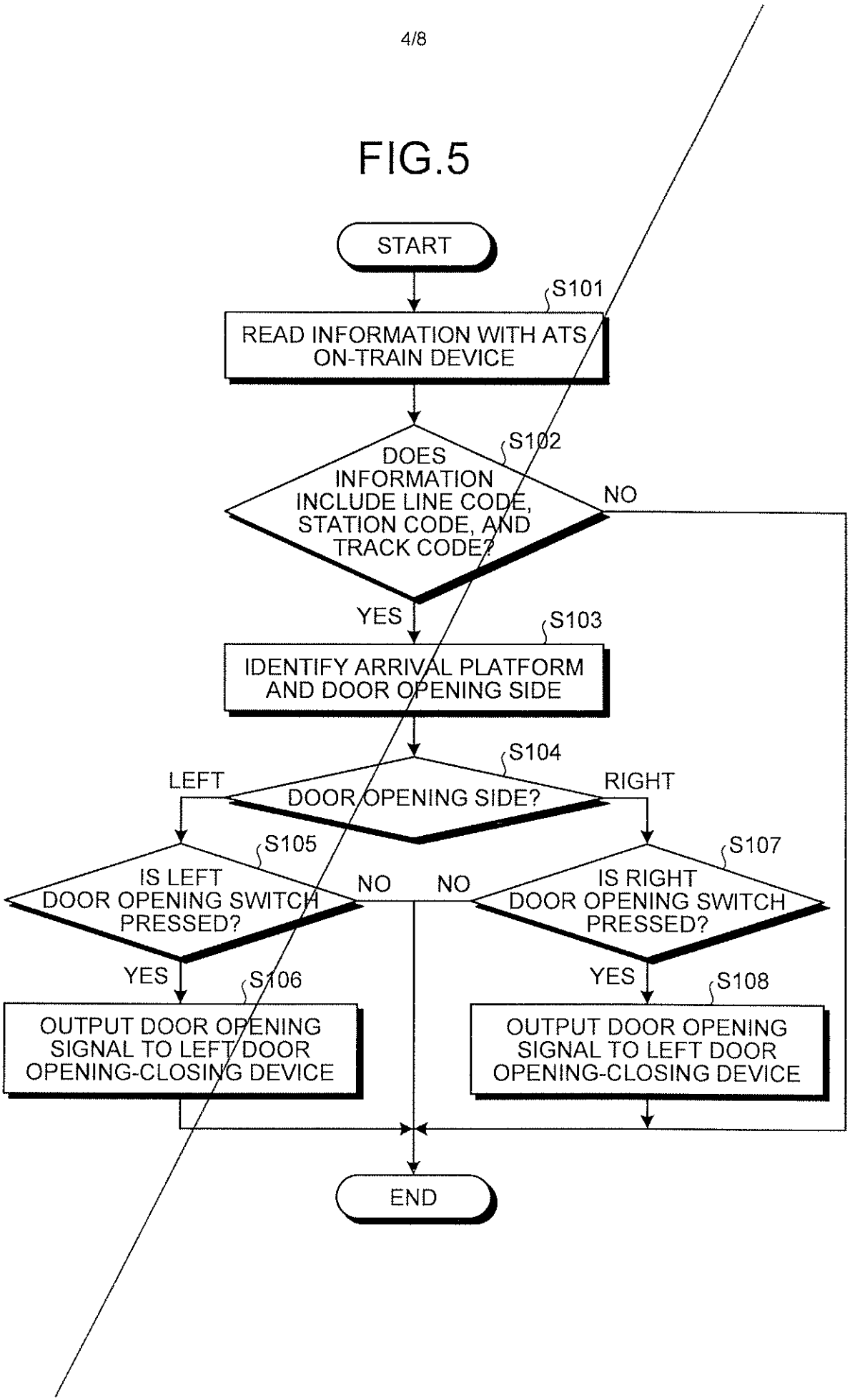

START
S101
READ INFORMATION WITH ATS ON-TRAIN DEVICE
S102
DOES INFORMATION INCLUDE LINE CODE, STATION CODE, AND TRACK CODE?
NO
YES
S103
IDENTIFY ARRIVAL PLATFORM AND DOOR OPENING SIDE
S104
LEFT
DOOR OPENING SIDE?
RIGHT
S105
IS LEFT DOOR OPENING SWITCH PRESSED?
NO
NO
S107
IS RIGHT DOOR OPENING SWITCH PRESSED?
YES
S106
OUTPUT DOOR OPENING SIGNAL TO LEFT DOOR OPENING-CLOSING DEVICE
YES
S108
OUTPUT DOOR OPENING SIGNAL TO LEFT DOOR OPENING-CLOSING DEVICE
END

FIG.6

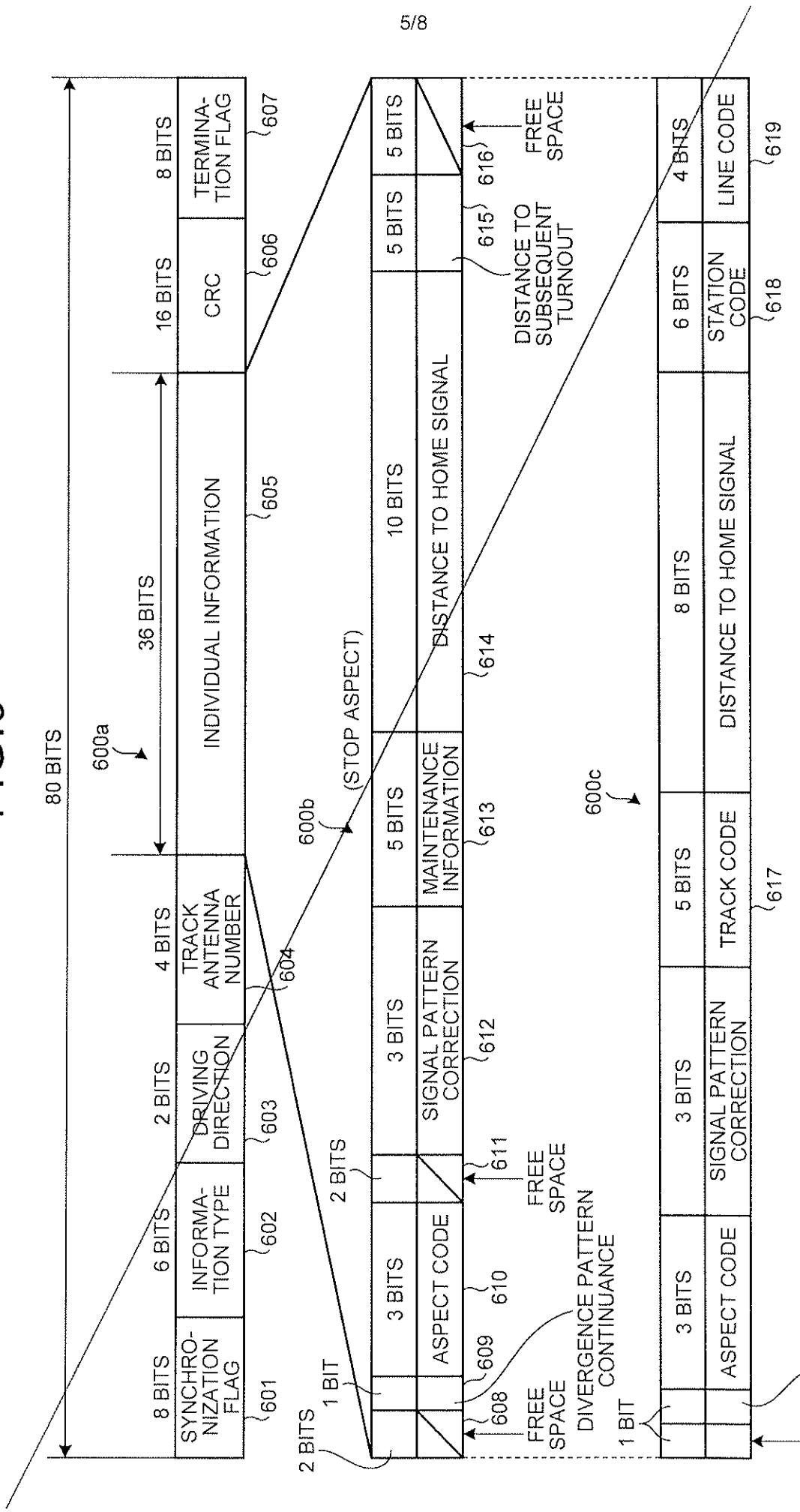

80 BITS
600a
36 BITS
8 BITS
SYNCHRO-NIZATION FLAG
601
6 BITS
INFORMA-TION TYPE
602
2 BITS
DRIVING DIRECTION
603
4 BITS
TRACK ANTENNA NUMBER
604
INDIVIDUAL INFORMATION
605
16 BITS
CRC
606
8 BITS
TERMINA-TION FLAG
607
600b
(STOP ASPECT)
2 BITS
1 BIT
2 BITS
FREE SPACE
608
DIVERGENCE PATTERN CONTINUANCE
609
3 BITS
ASPECT CODE
610
FREE SPACE
611
3 BITS
SIGNAL PATTERN CORRECTION
612
5 BITS
MAINTENANCE INFORMATION
613
10 BITS
DISTANCE TO HOME SIGNAL
614
5 BITS
DISTANCE TO SUBSEQUENT TURNOUT
615
5 BITS
FREE SPACE
616
600c
1 BIT
FREE SPACE
DIVERGENCE PATTERN CONTINUANCE
3 BITS
ASPECT CODE
8 BITS
3 BITS
SIGNAL PATTERN CORRECTION
5 BITS
TRACK CODE
617
8 BITS
DISTANCE TO HOME SIGNAL
6 BITS
STATION CODE
618
4 BITS
LINE CODE
619

FIG.8

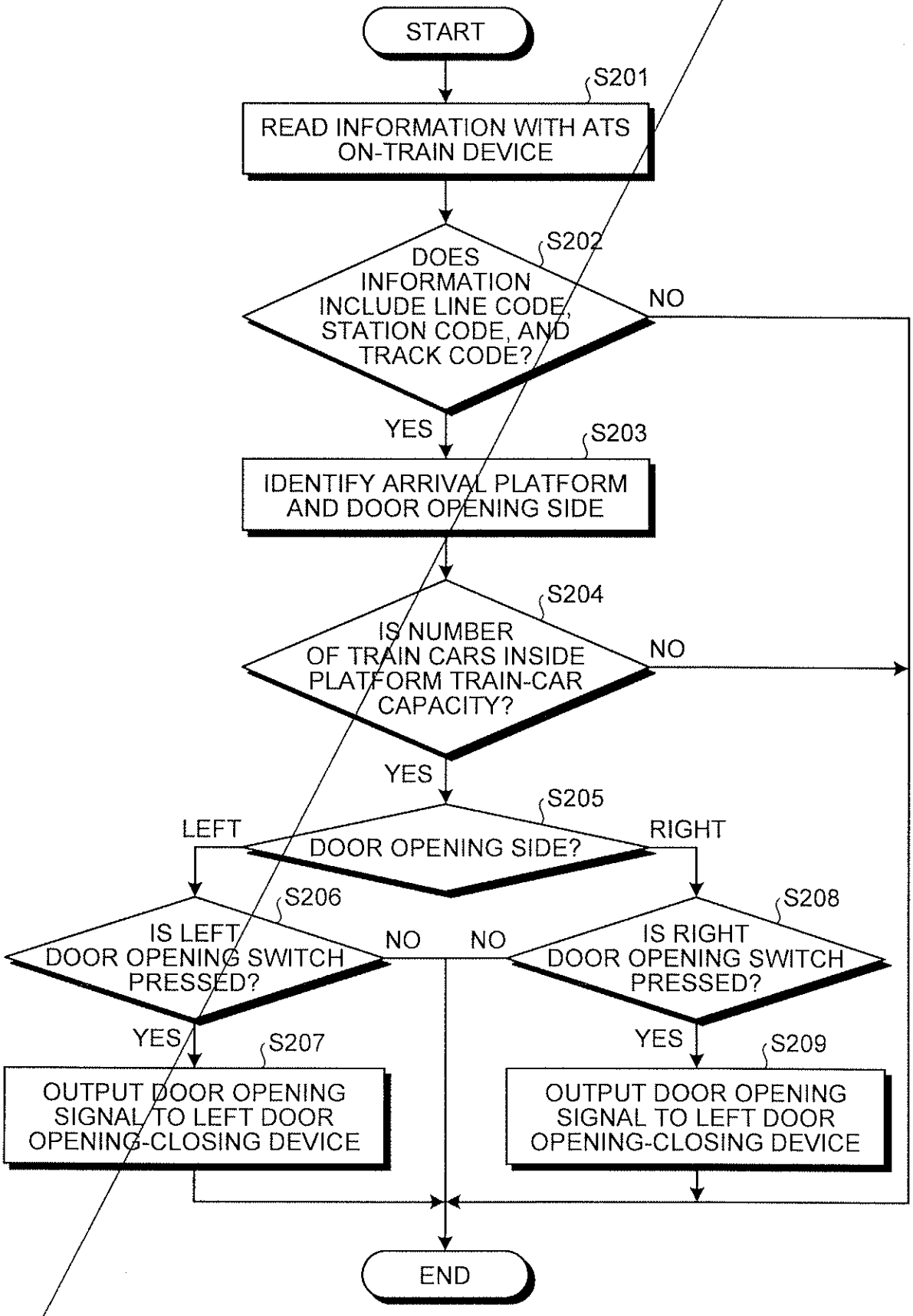

START
S201
READ INFORMATION WITH ATS ON-TRAIN DEVICE
S202
DOES INFORMATION INCLUDE LINE CODE, STATION CODE, AND TRACK CODE?
NO
YES
S203
IDENTIFY ARRIVAL PLATFORM AND DOOR OPENING SIDE
S204
IS NUMBER OF TRAIN CARS INSIDE PLATFORM TRAIN-CAR CAPACITY?
NO
YES
S205
LEFT
DOOR OPENING SIDE?
RIGHT
S206
IS LEFT DOOR OPENING SWITCH PRESSED?
NO
NO
S208
IS RIGHT DOOR OPENING SWITCH PRESSED?
YES
S207
OUTPUT DOOR OPENING SIGNAL TO LEFT DOOR OPENING-CLOSING DEVICE
YES
S209
OUTPUT DOOR OPENING SIGNAL TO LEFT DOOR OPENING-CLOSING DEVICE
END

FIG.5

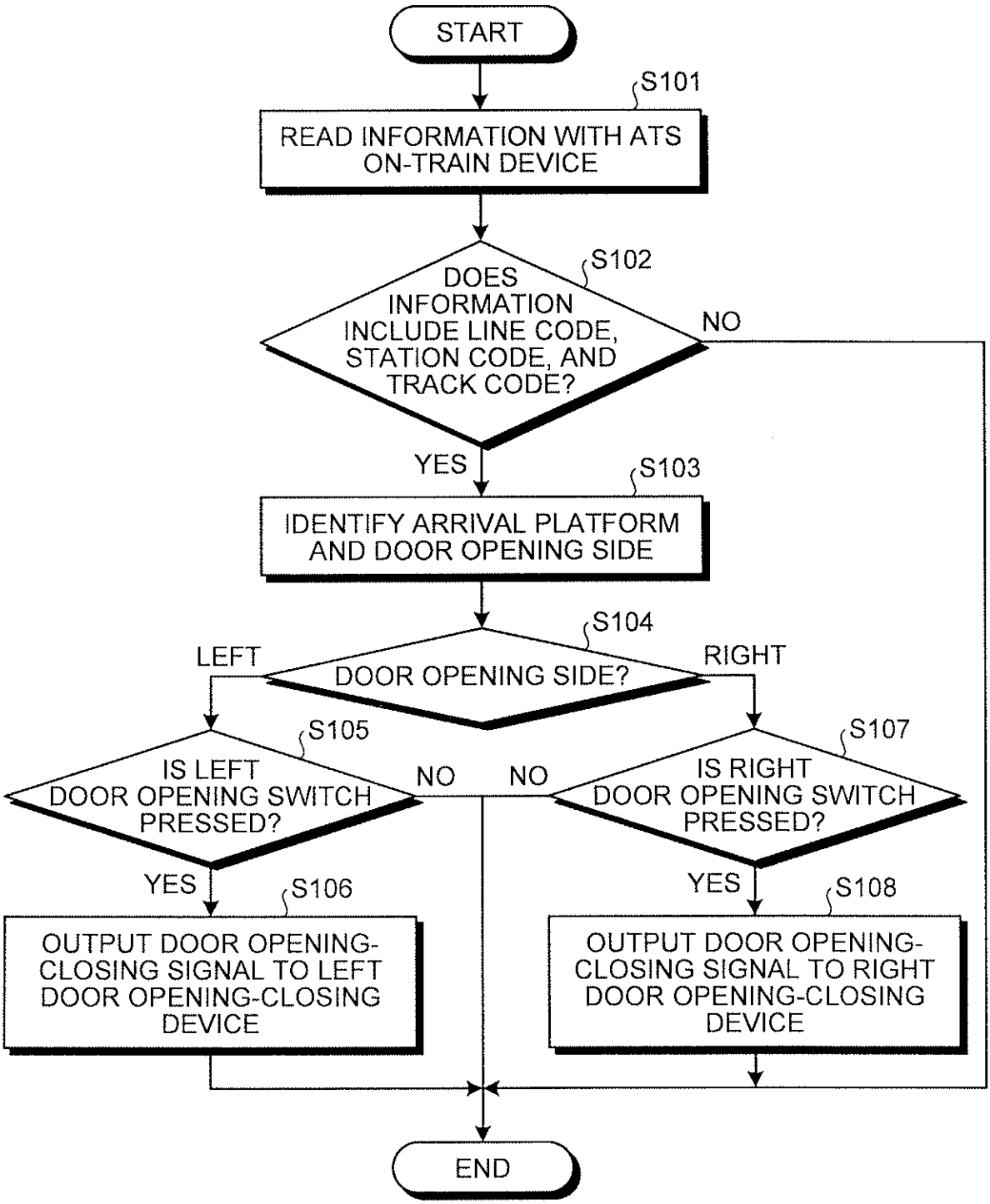

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READ INFORMATION WITH ATS ON-TRAIN DEVICE
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DOES INFORMATION INCLUDE LINE CODE, STATION CODE, AND TRACK CODE?
NO
YES
S103
IDENTIFY ARRIVAL PLATFORM AND DOOR OPENING SIDE
S104
LEFT
DOOR OPENING SIDE?
RIGHT
S105
IS LEFT DOOR OPENING SWITCH PRESSED?
NO
NO
S107
IS RIGHT DOOR OPENING SWITCH PRESSED?
YES
S106
OUTPUT DOOR OPENING-CLOSING SIGNAL TO LEFT DOOR OPENING-CLOSING DEVICE
YES
S108
OUTPUT DOOR OPENING-CLOSING SIGNAL TO RIGHT DOOR OPENING-CLOSING DEVICE
END

FIG.6

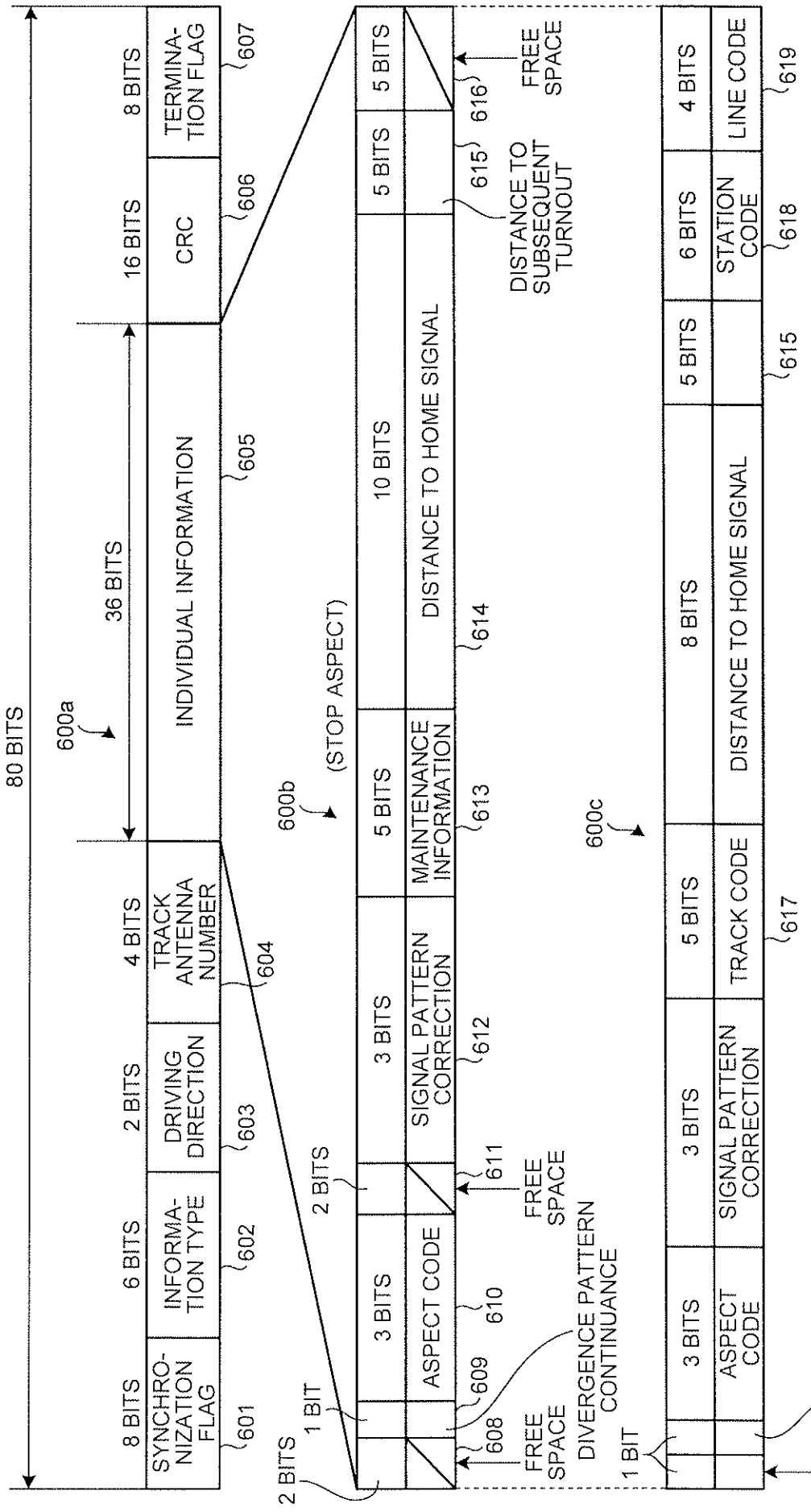
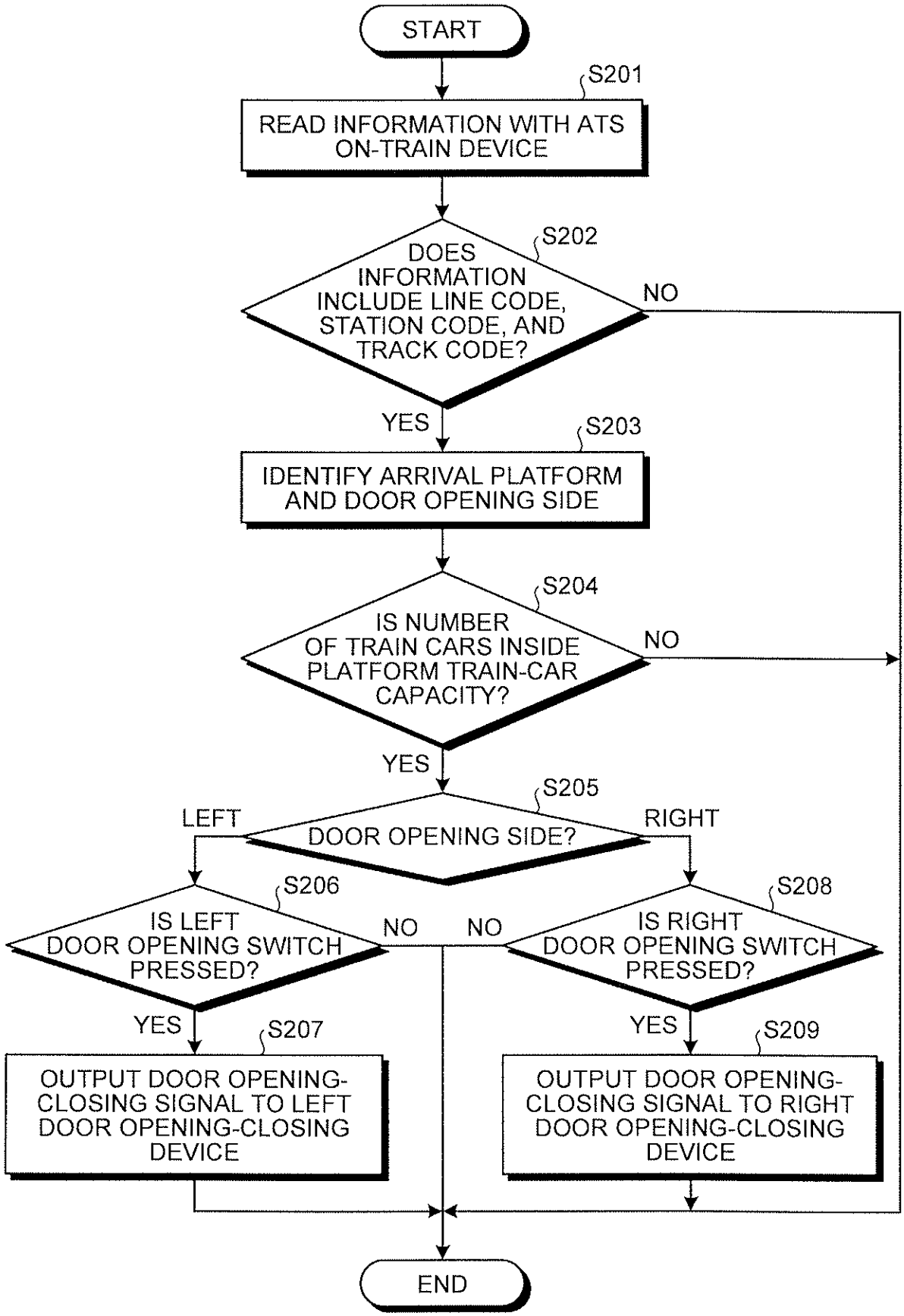

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1 BIT
3 BITS
ASPECT CODE
FREE SPACE
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3 BITS
SIGNAL PATTERN CORRECTION
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5 BITS
TRACK CODE
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DISTANCE TO HOME SIGNAL
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5 BITS
6 BITS
STATION CODE
618
4 BITS
LINE CODE
619

FIG.8


START
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