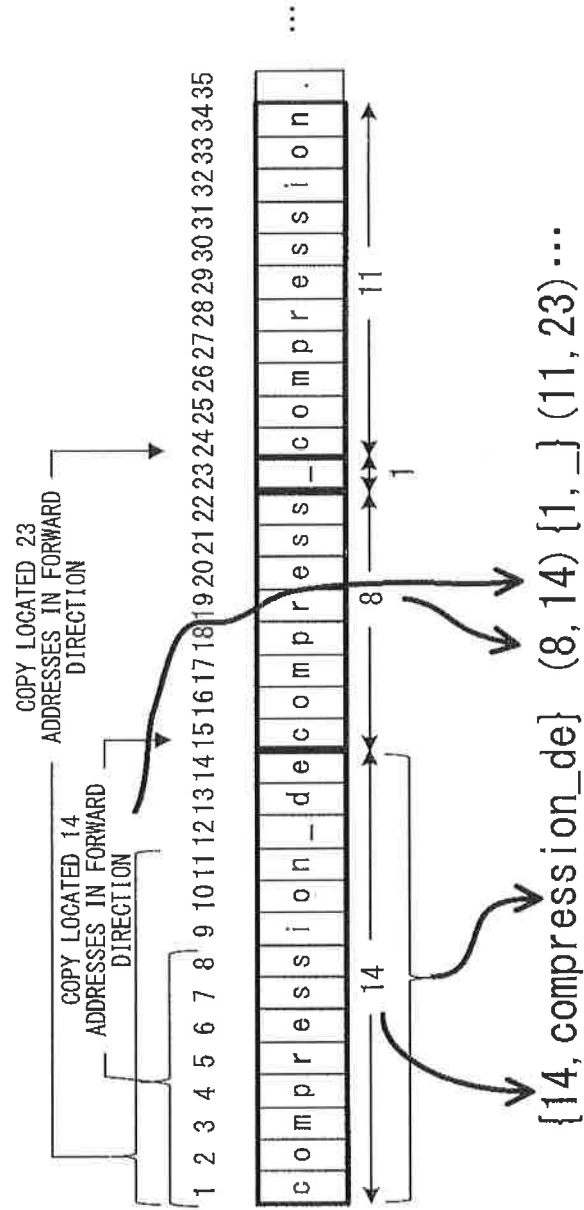


ORIGINAL
DATA



COMPRESSED
DATA

MATCHING STRING: (MATCHING LENGTH, MATCHING POSITION)
NON-MATCHING: {NON-MATCHING LENGTH, NON-MATCHING CHARACTER STRING}

FIG. 1

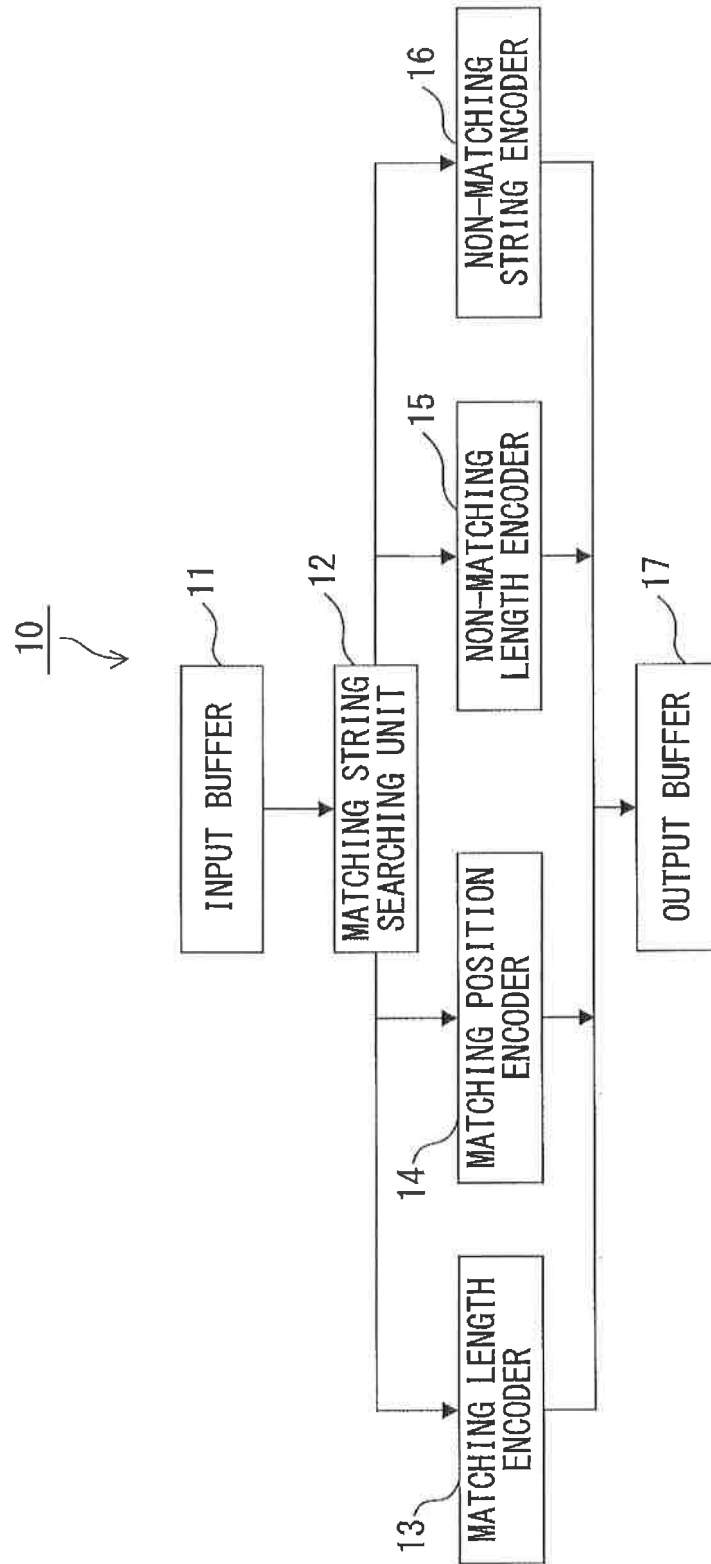


FIG. 2

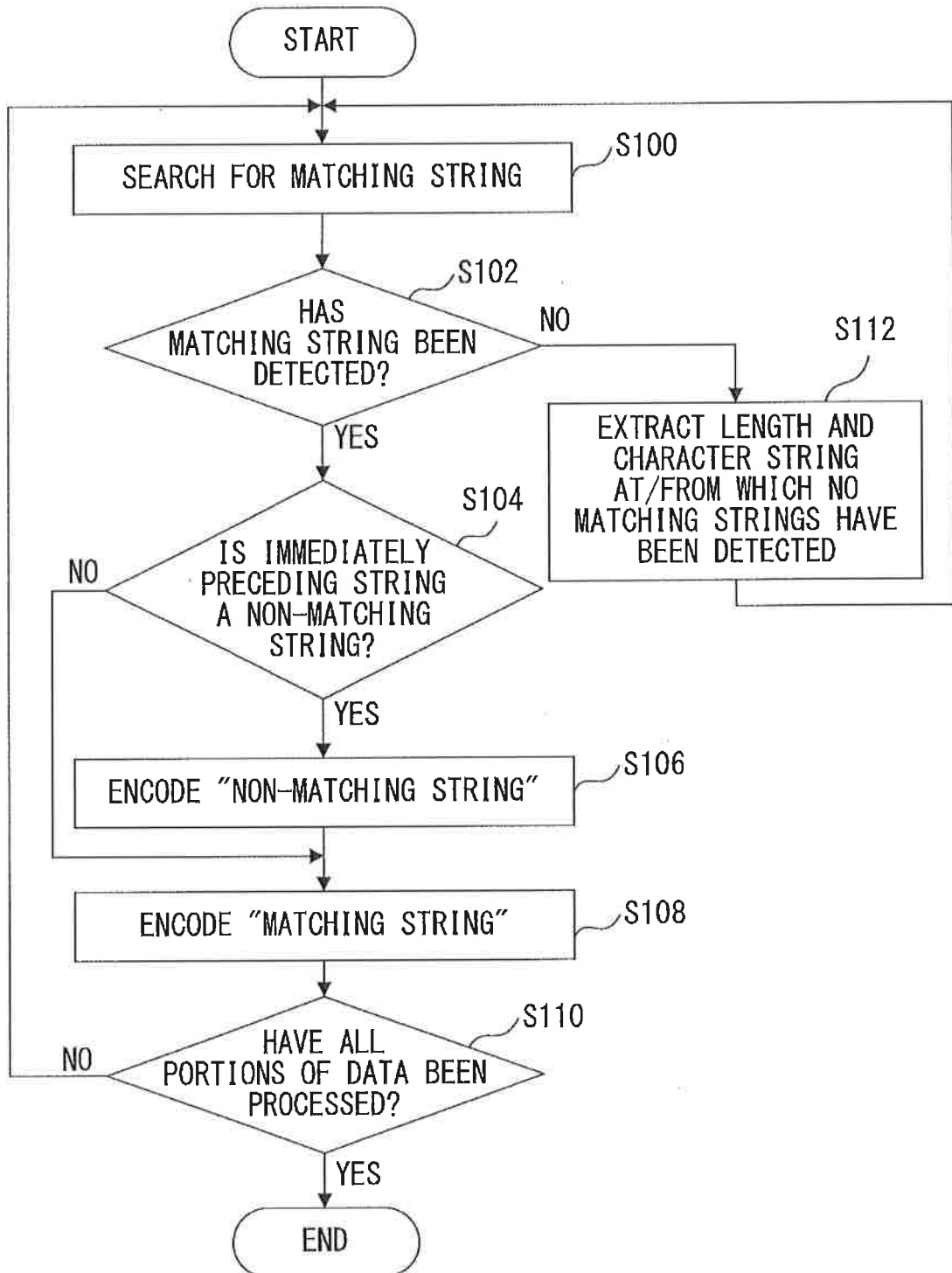
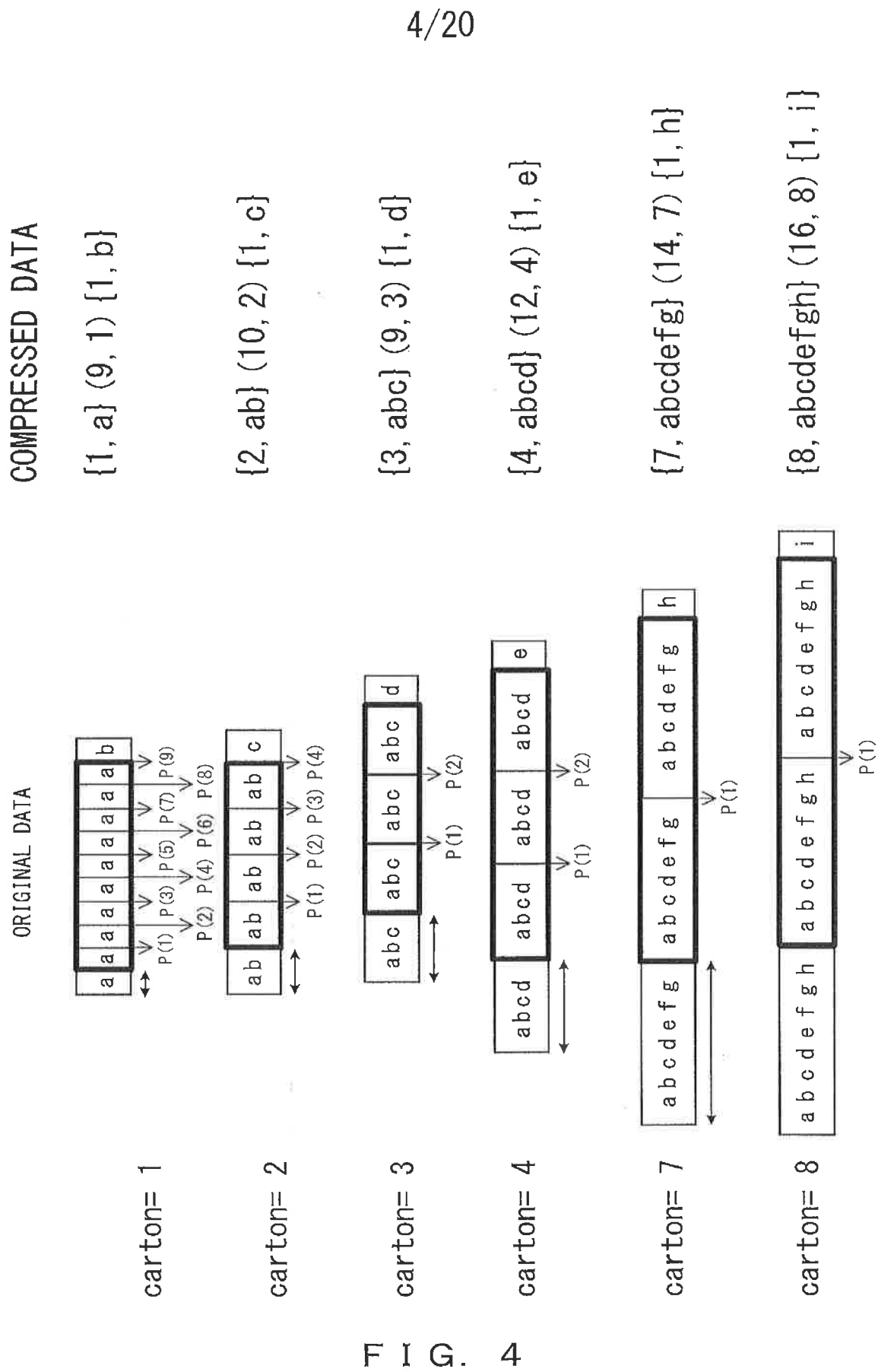


FIG. 3



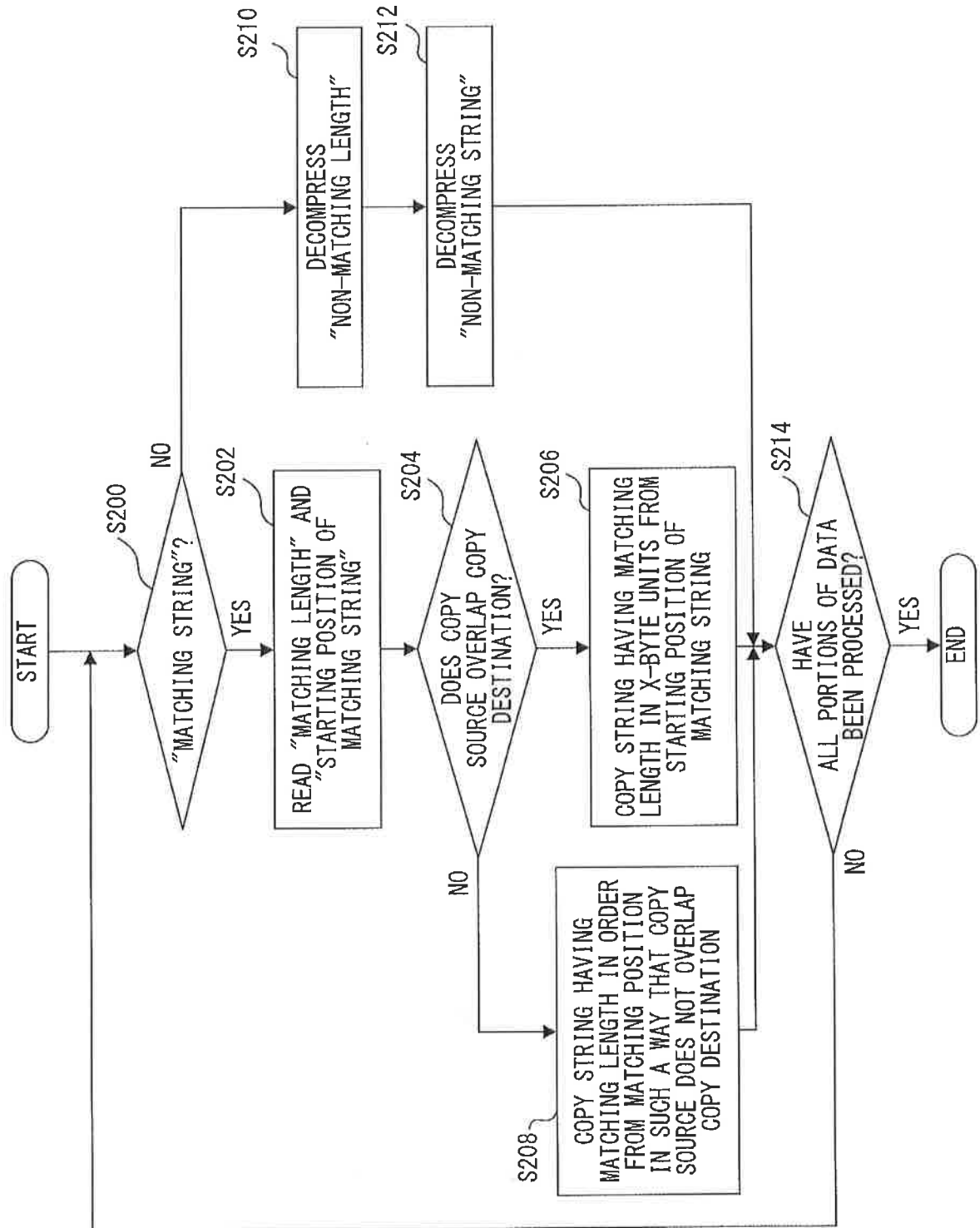


FIG. 5

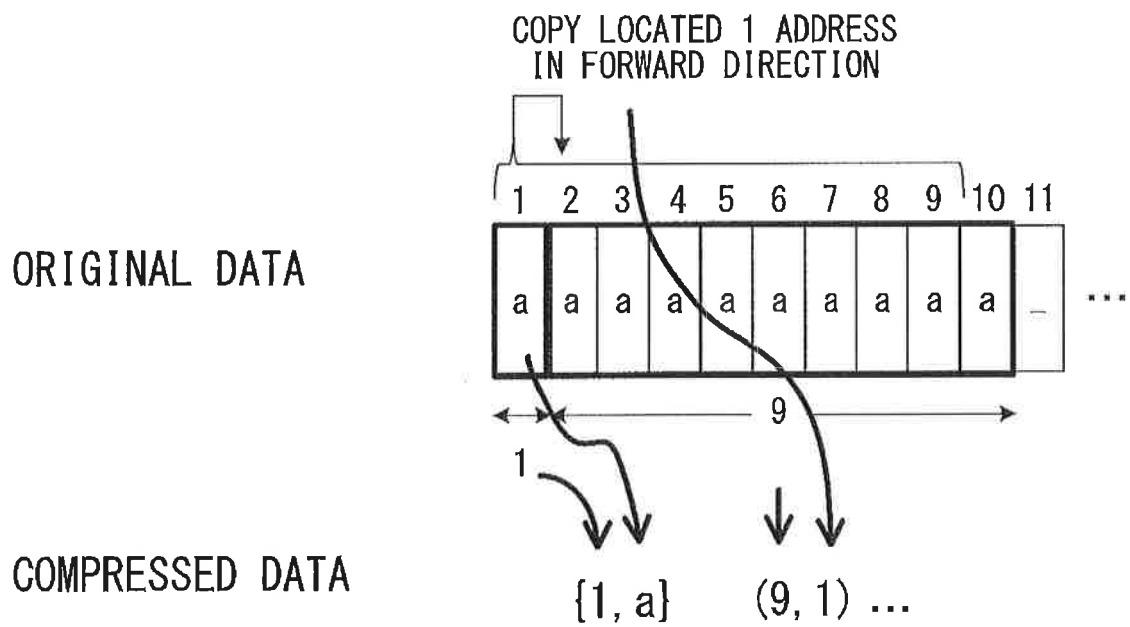


FIG. 6A

7/20

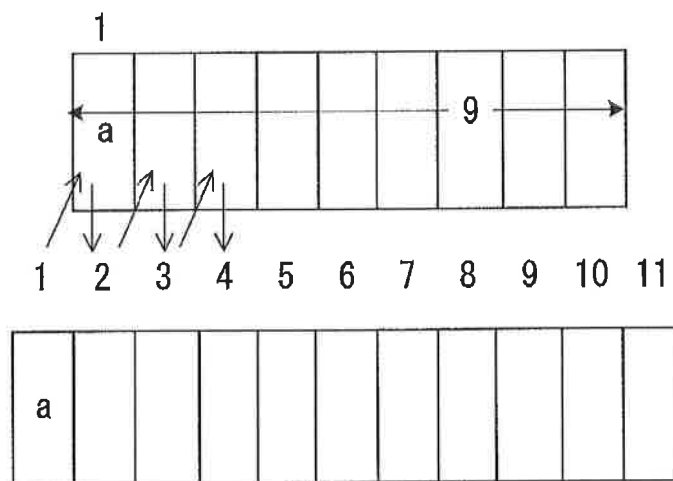


FIG. 6B

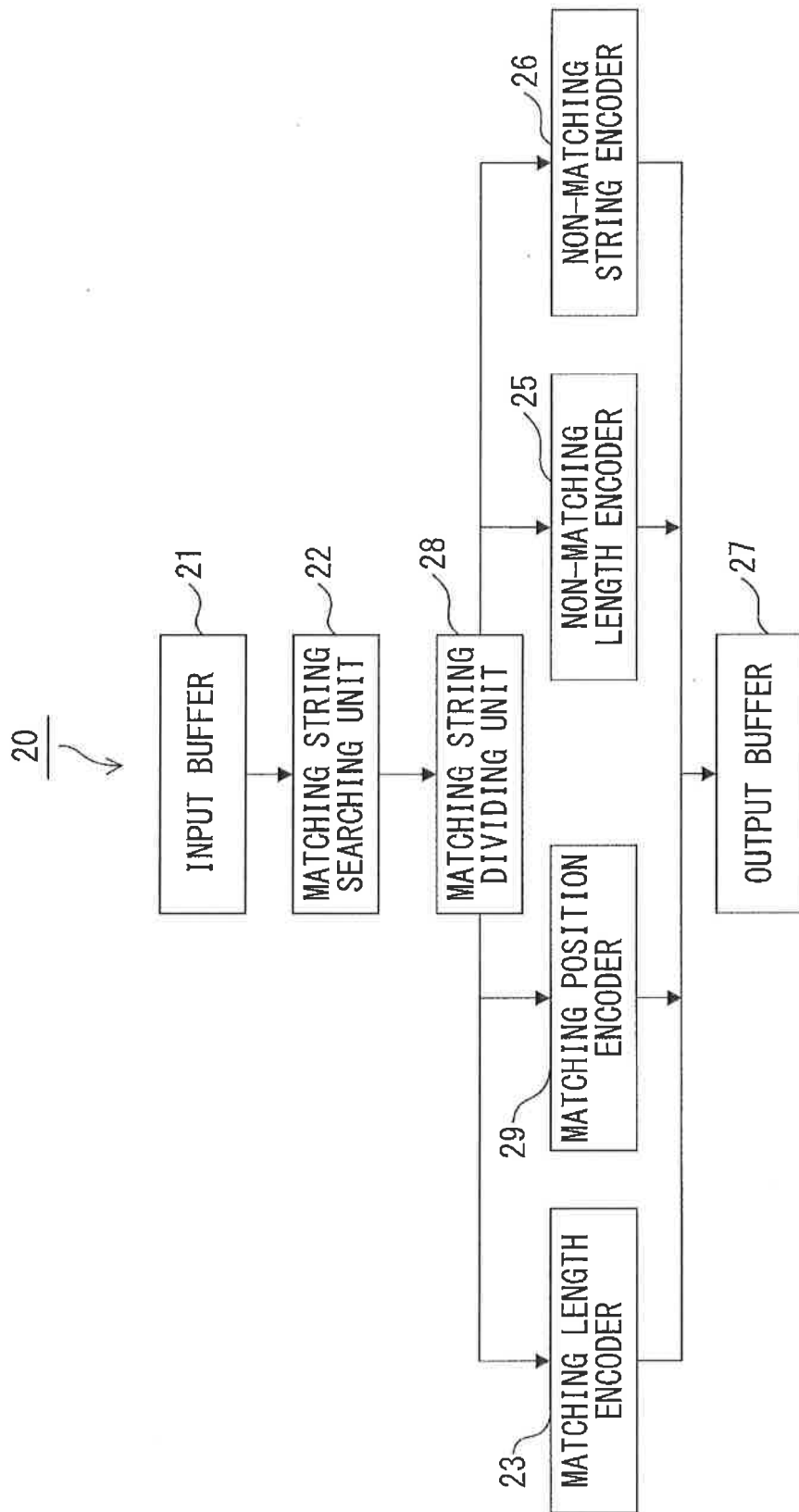


FIG. 7

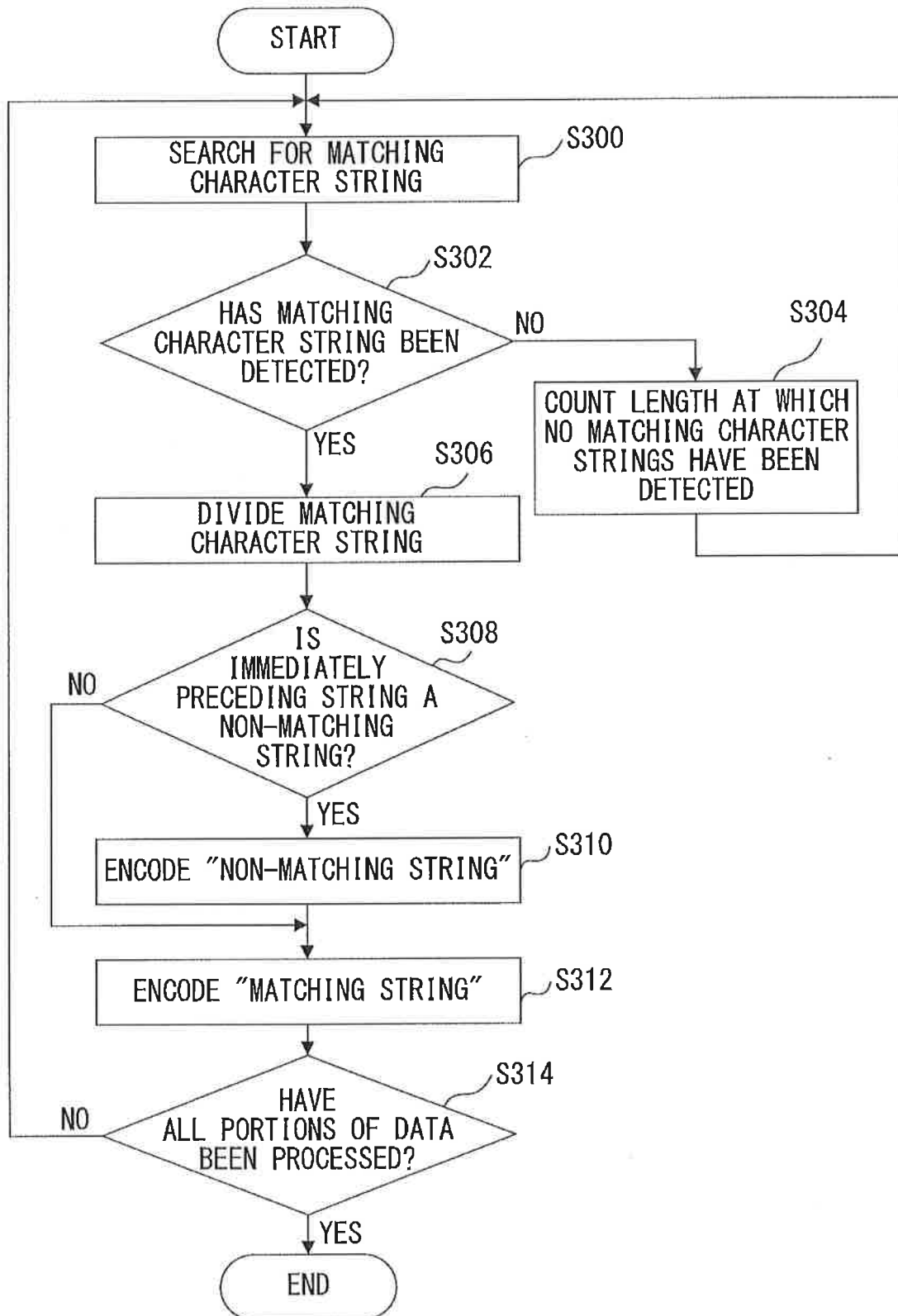


FIG. 8

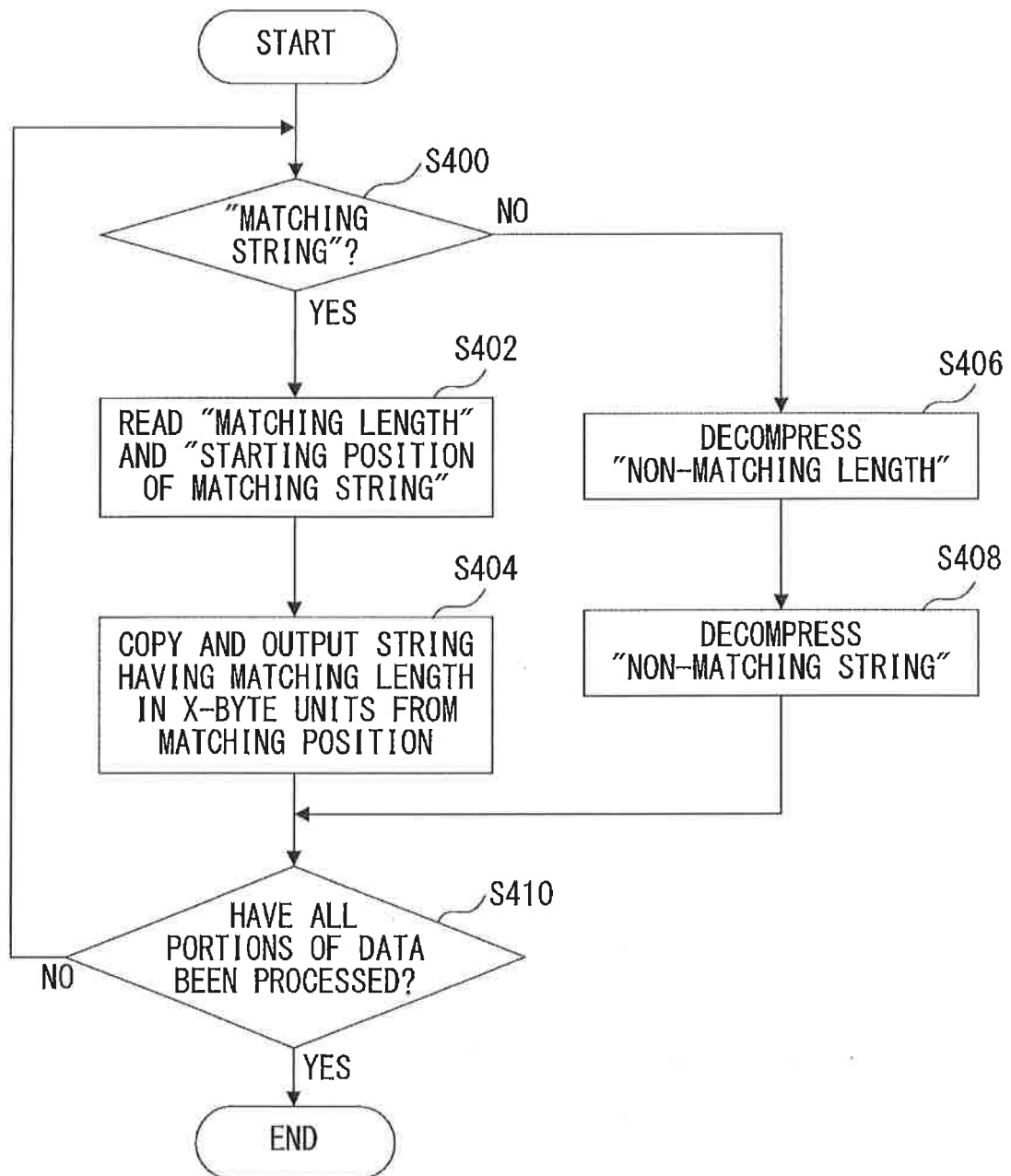


FIG. 9

11/20

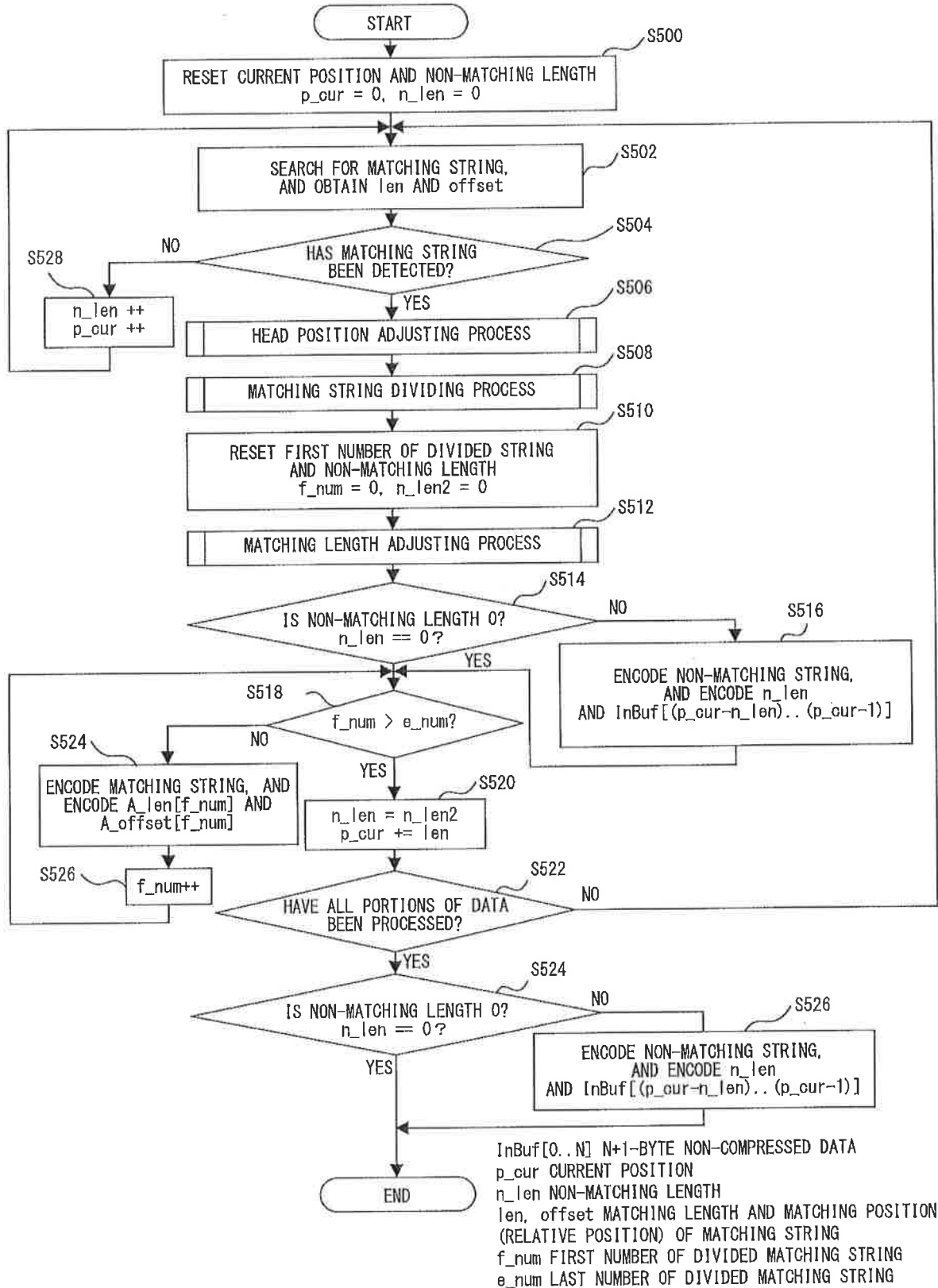


FIG. 10

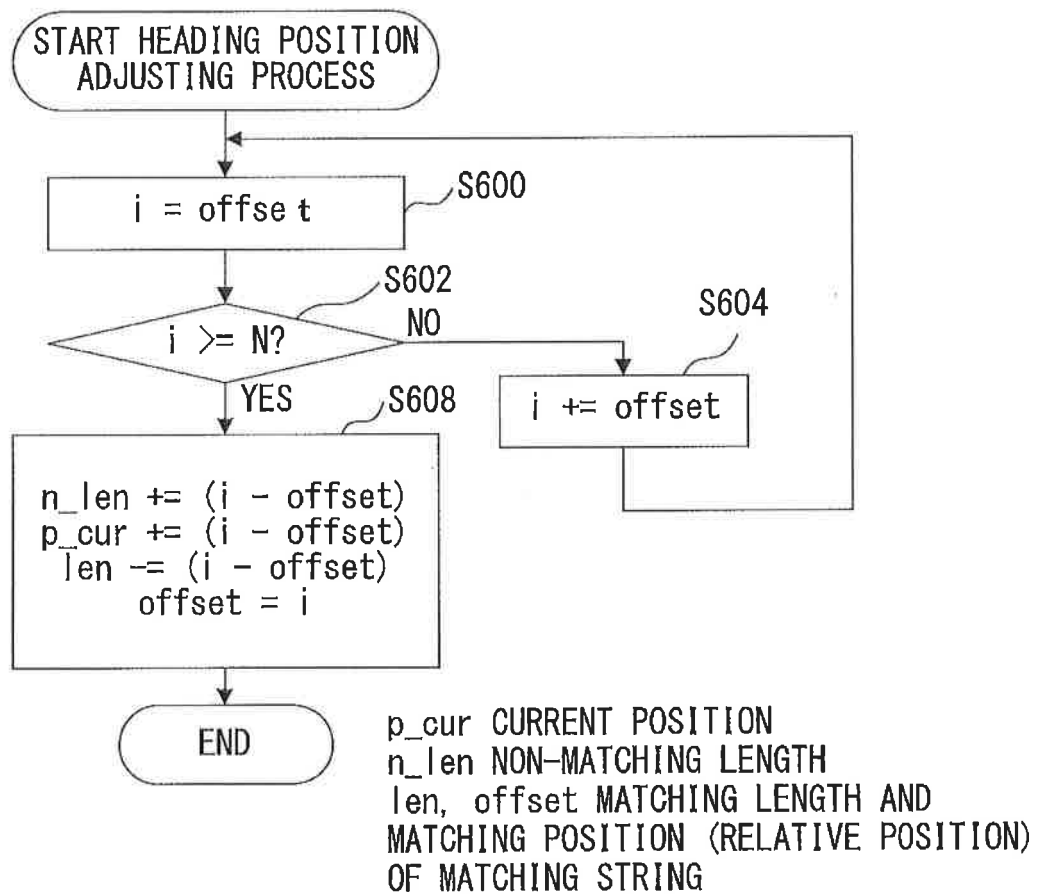


FIG. 11

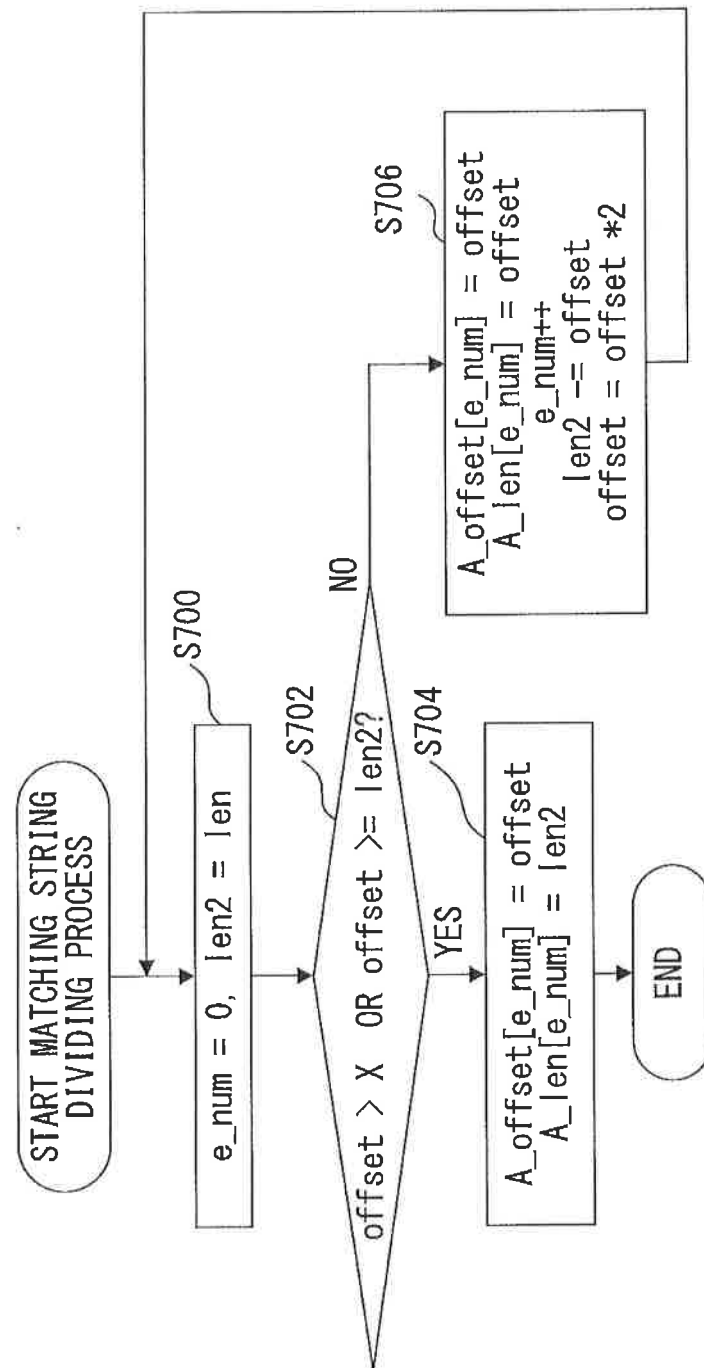
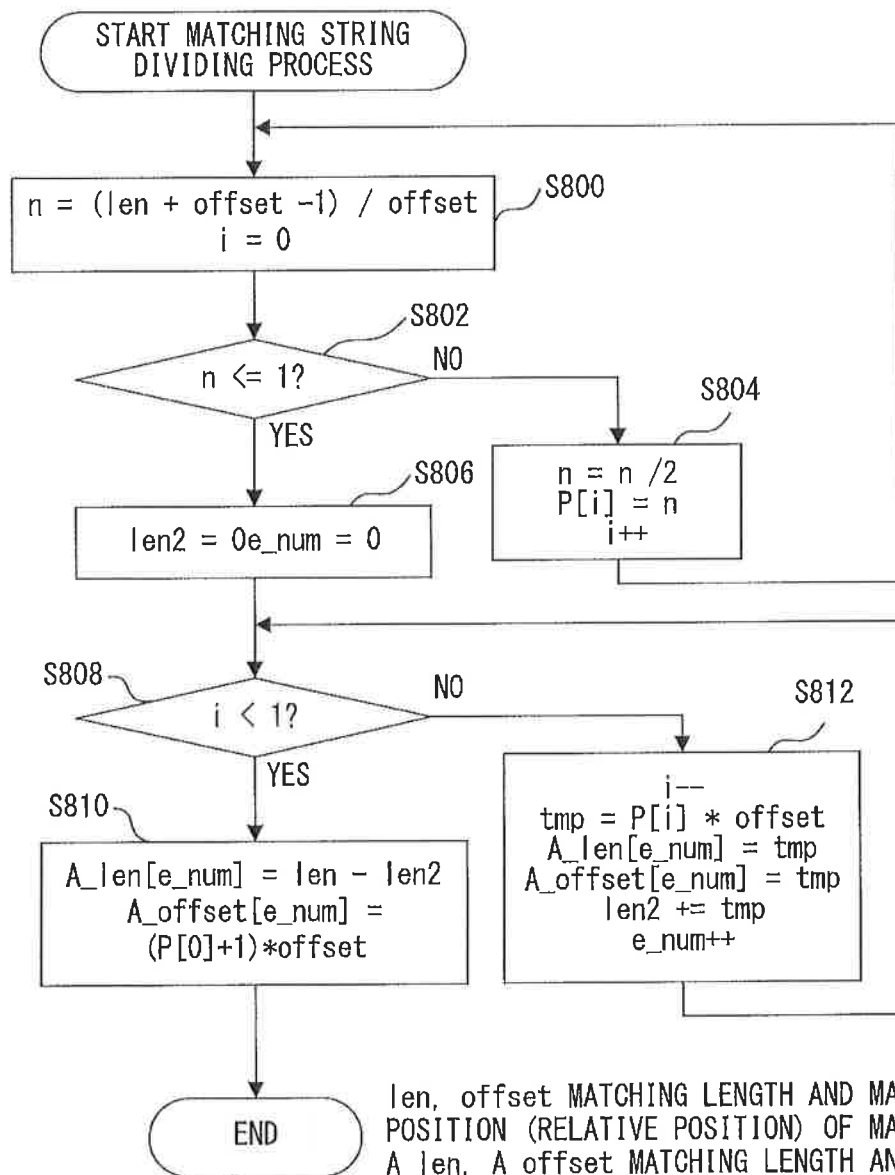


FIG. 12A



len, offset MATCHING LENGTH AND MATCHING
POSITION (RELATIVE POSITION) OF MATCHING STRING
A_len, A_offset MATCHING LENGTH AND MATCHING
POSITION OF DIVIDED MATCHING STRING
f_num FIRST NUMBER OF DIVIDED MATCHING STRING
e_num LAST NUMBER OF DIVIDED MATCHING STRING

FIG. 12B

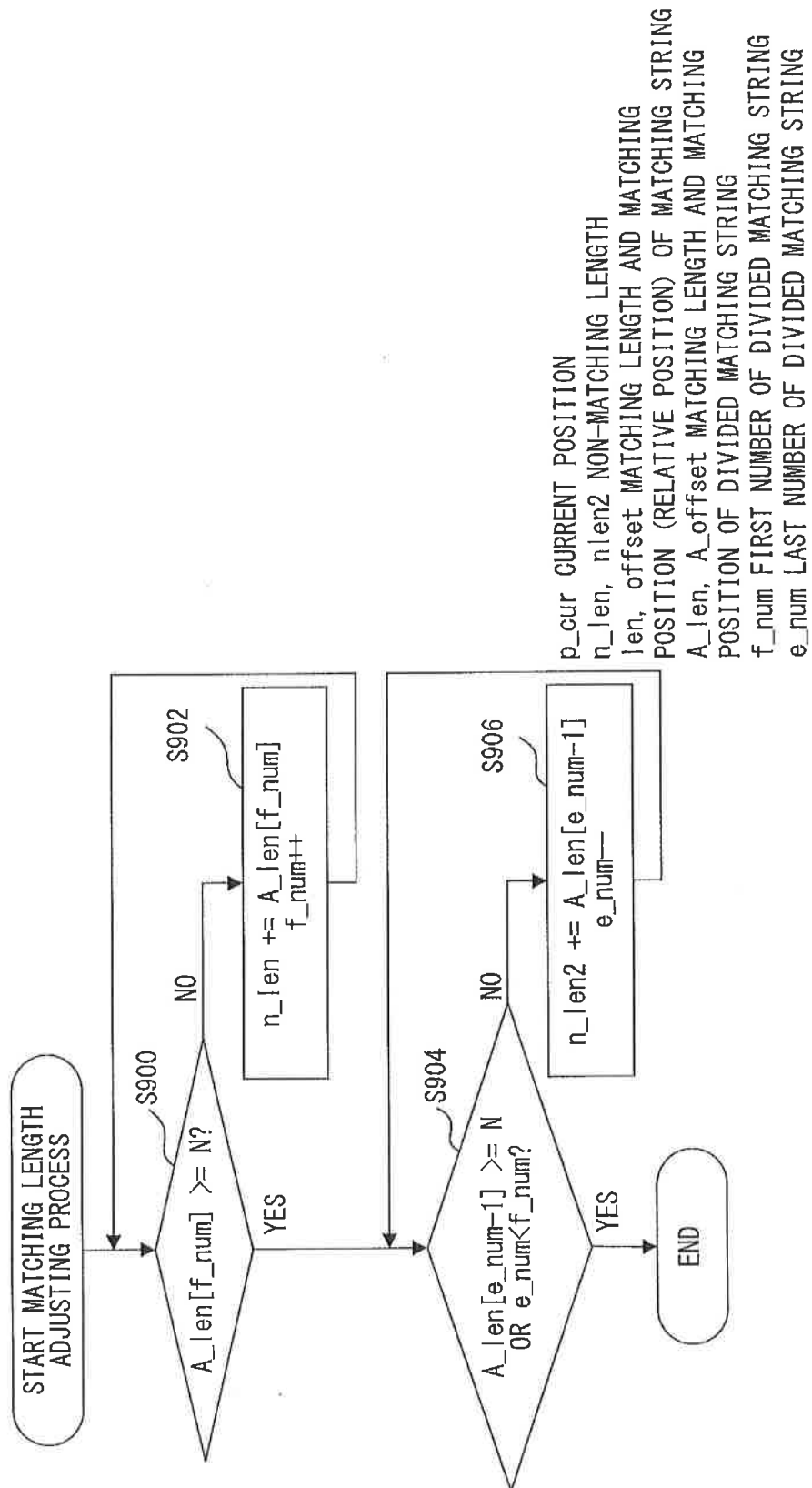
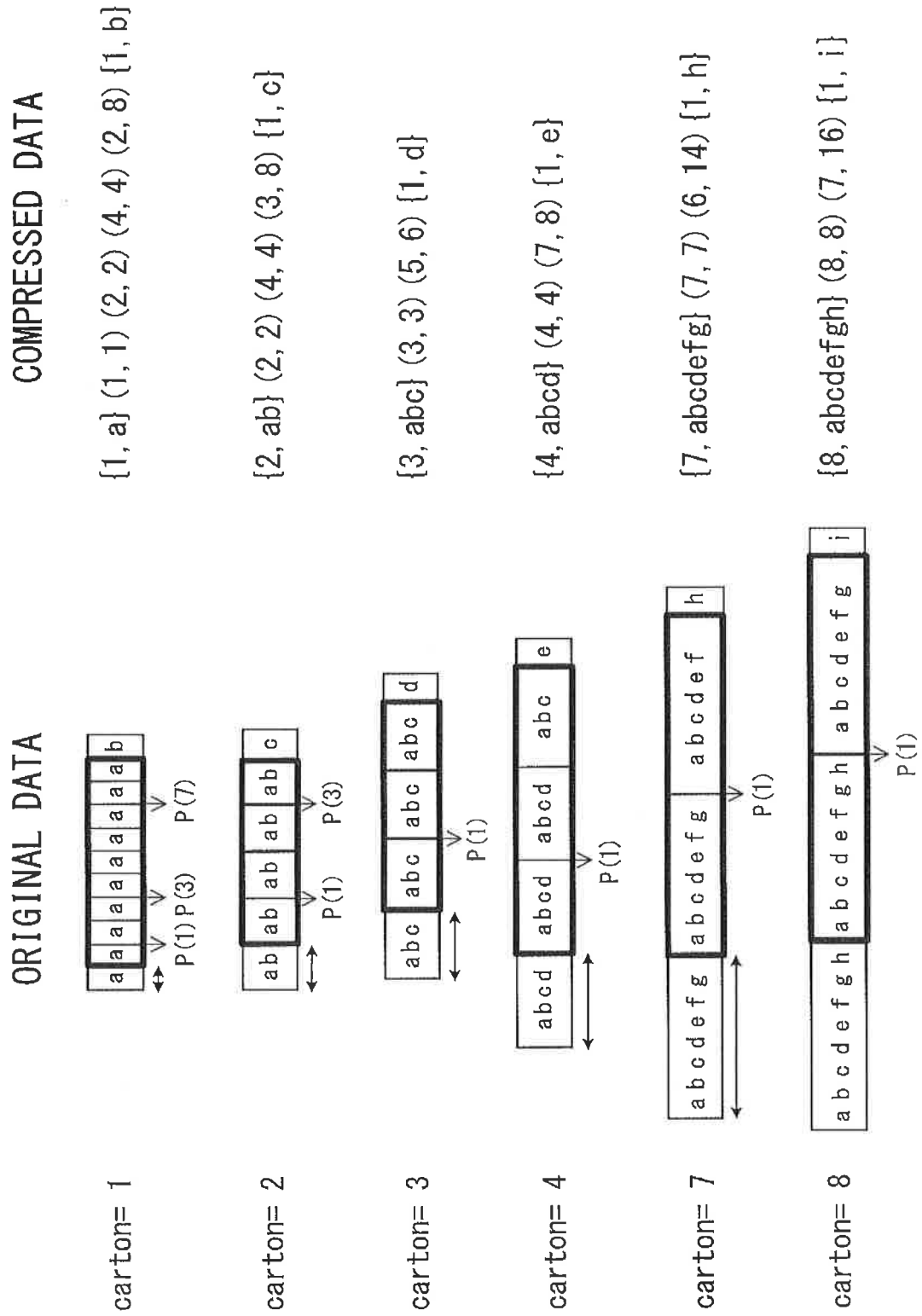


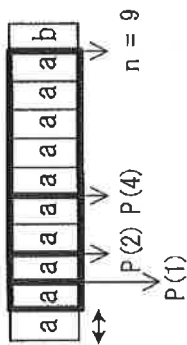
FIG. 13



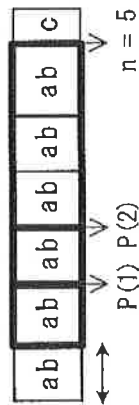
COMPRESSED DATA OF PRESENT INVENTION

{1, a} (1, 1) (1, 2) (2, 3) (5, 5) {1, b}

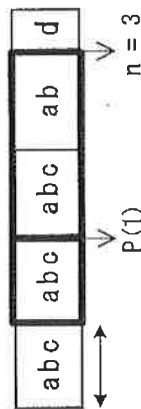
ORIGINAL DATA



carton= 1



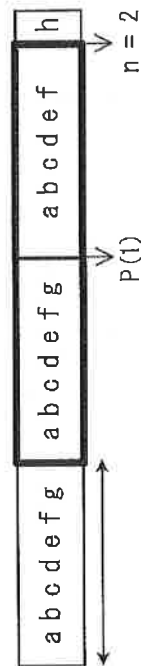
carton= 2



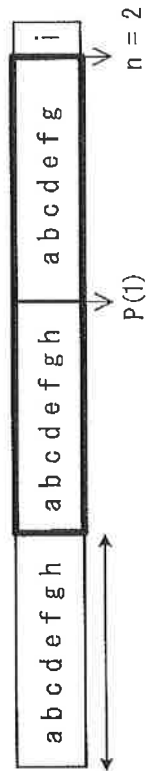
carton= 3



carton= 4



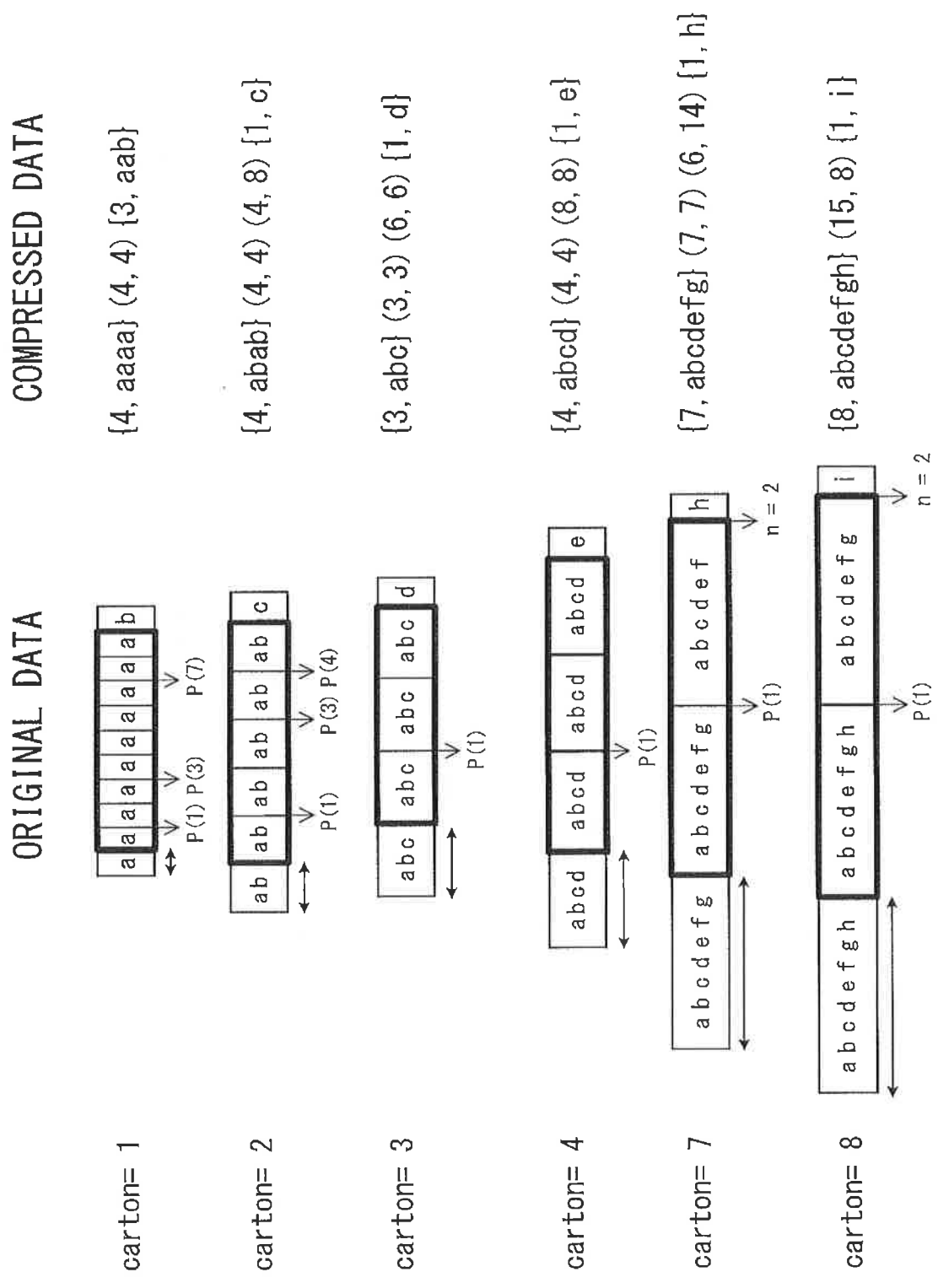
carton= 7



carton= 8

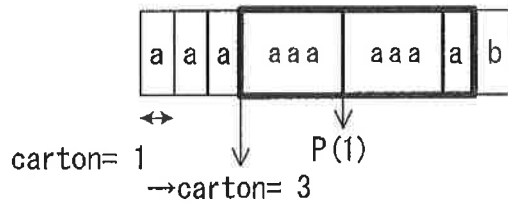
FIG. 1

FIG. 16

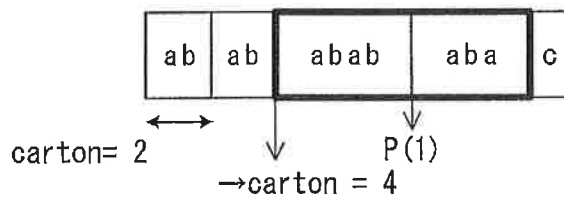


ORIGINAL DATA

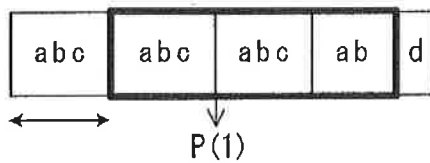
COMPRESSED DATA OF
PRESENT INVENTION



{3, aaa} (3, 3) (4, 6) {1, b}



{4, abab} (4, 4) (3, 8) {1, c}



{3, abc} (3, 3) (5, 6) {1, d}

NO ADJUSTMENT BECAUSE carton = 3 > N

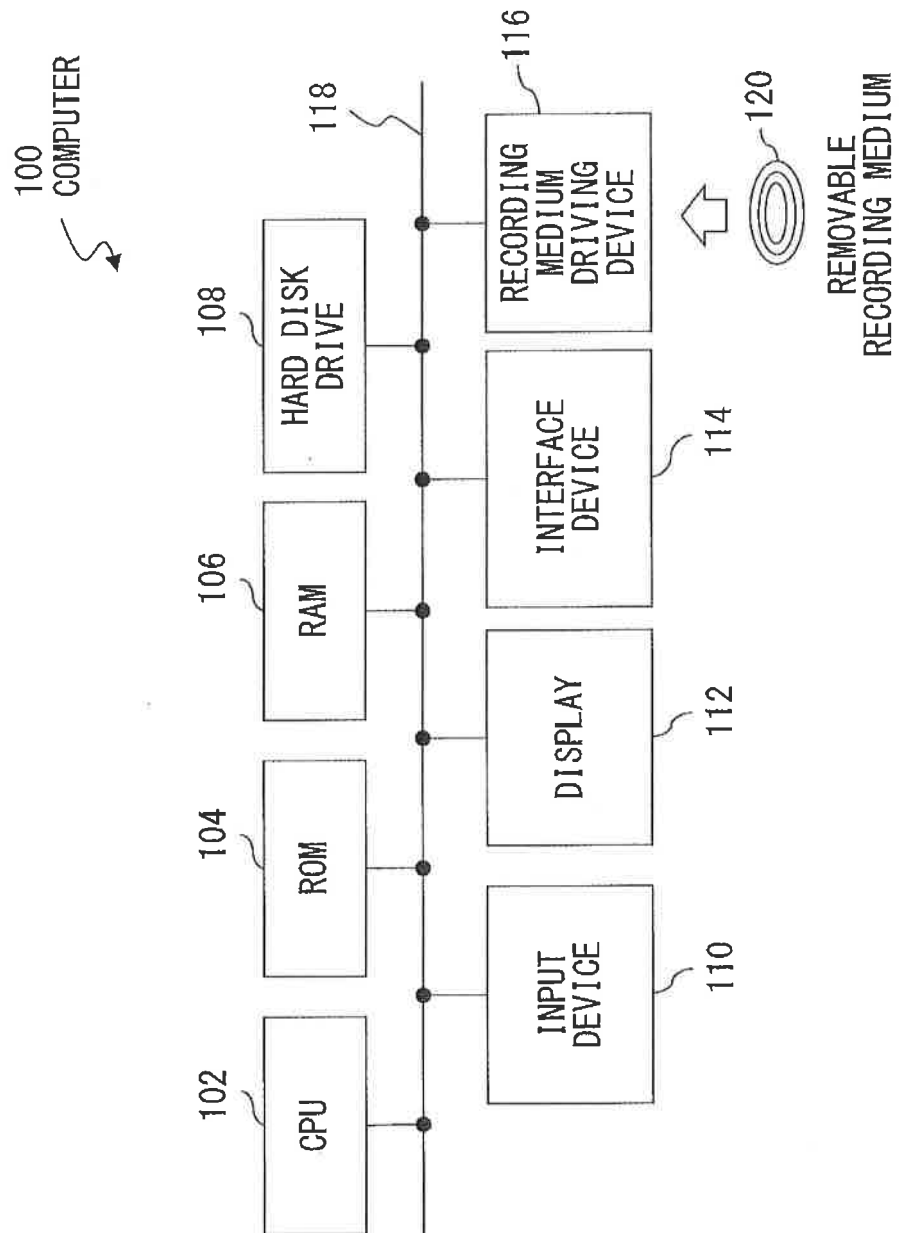


FIG. 18