

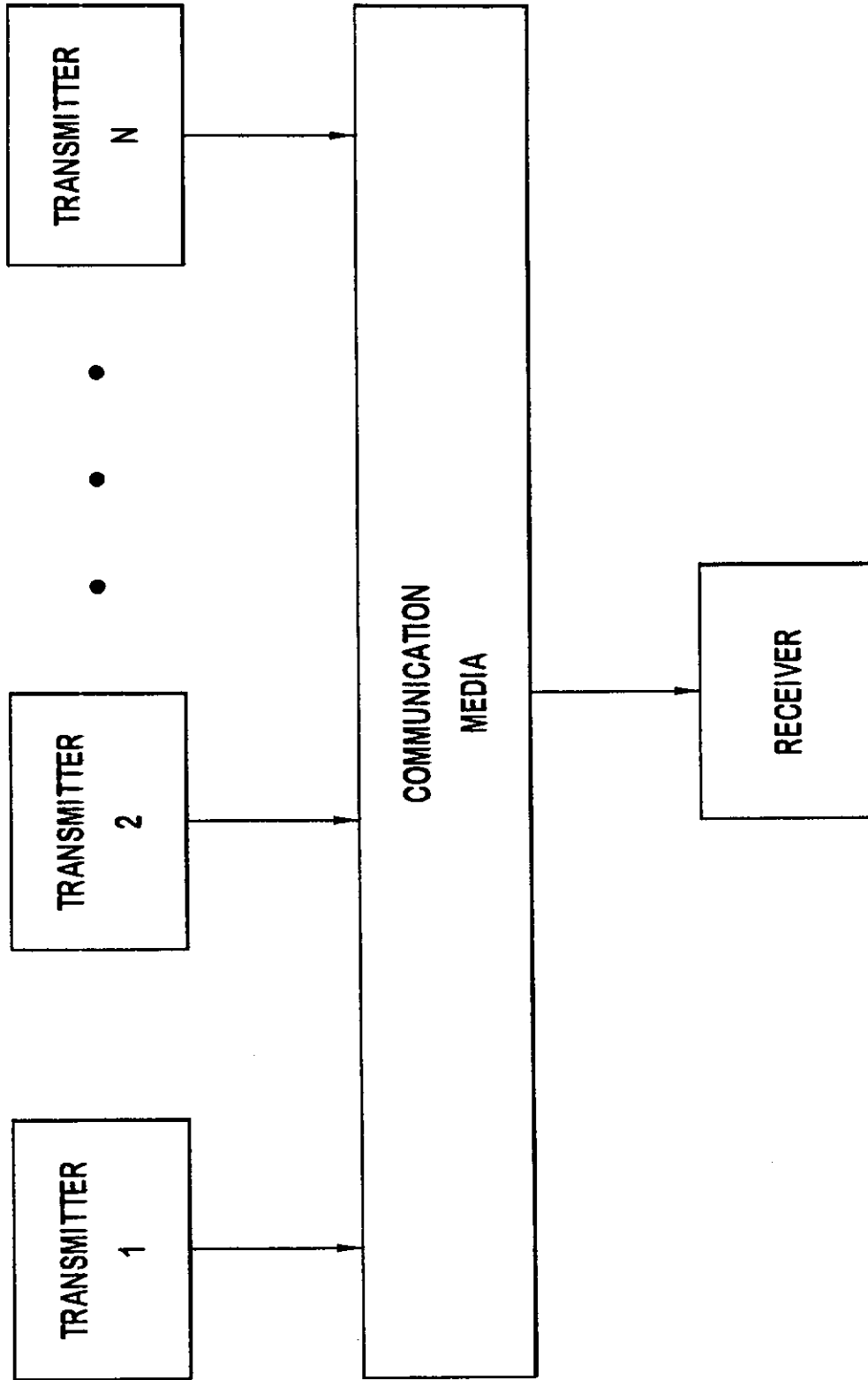


FIG. 1
PRIOR ART

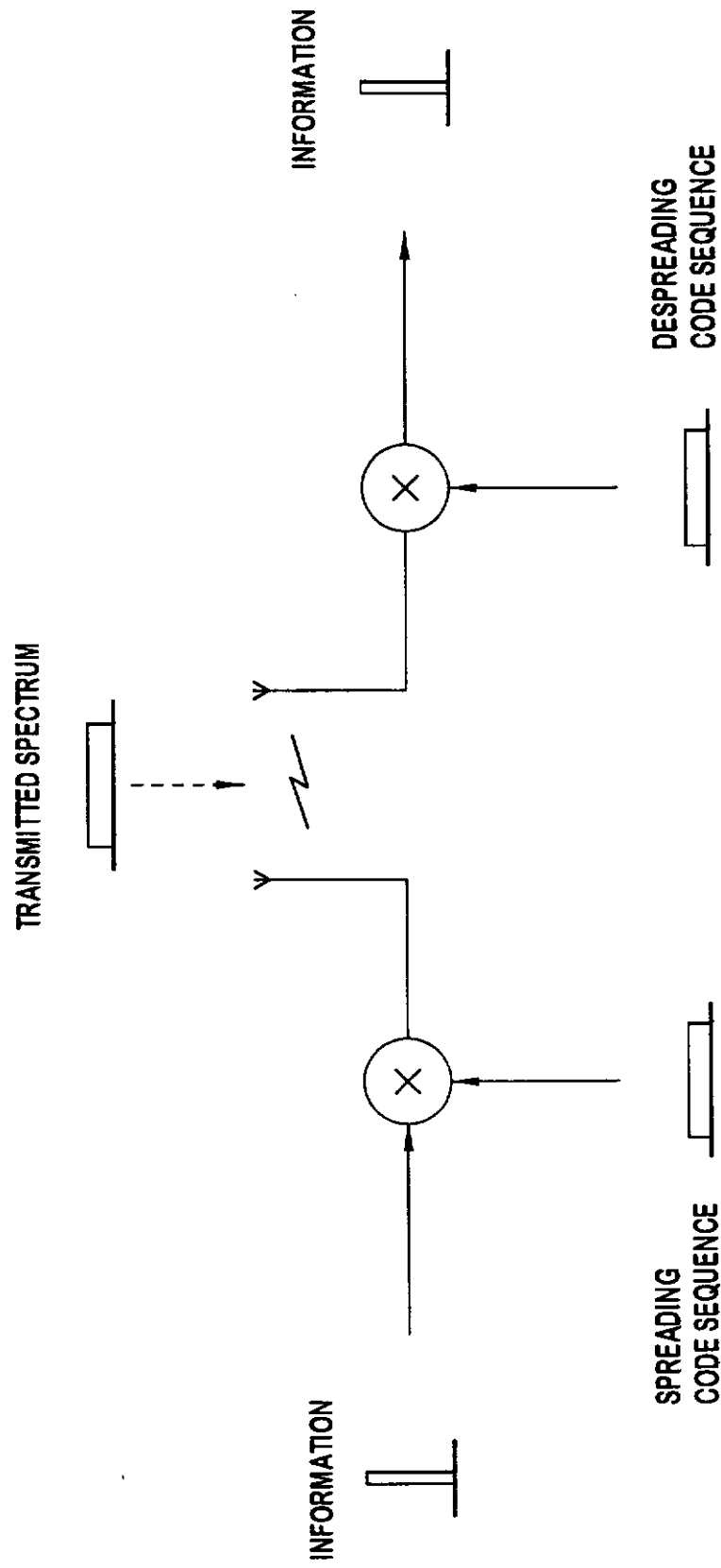
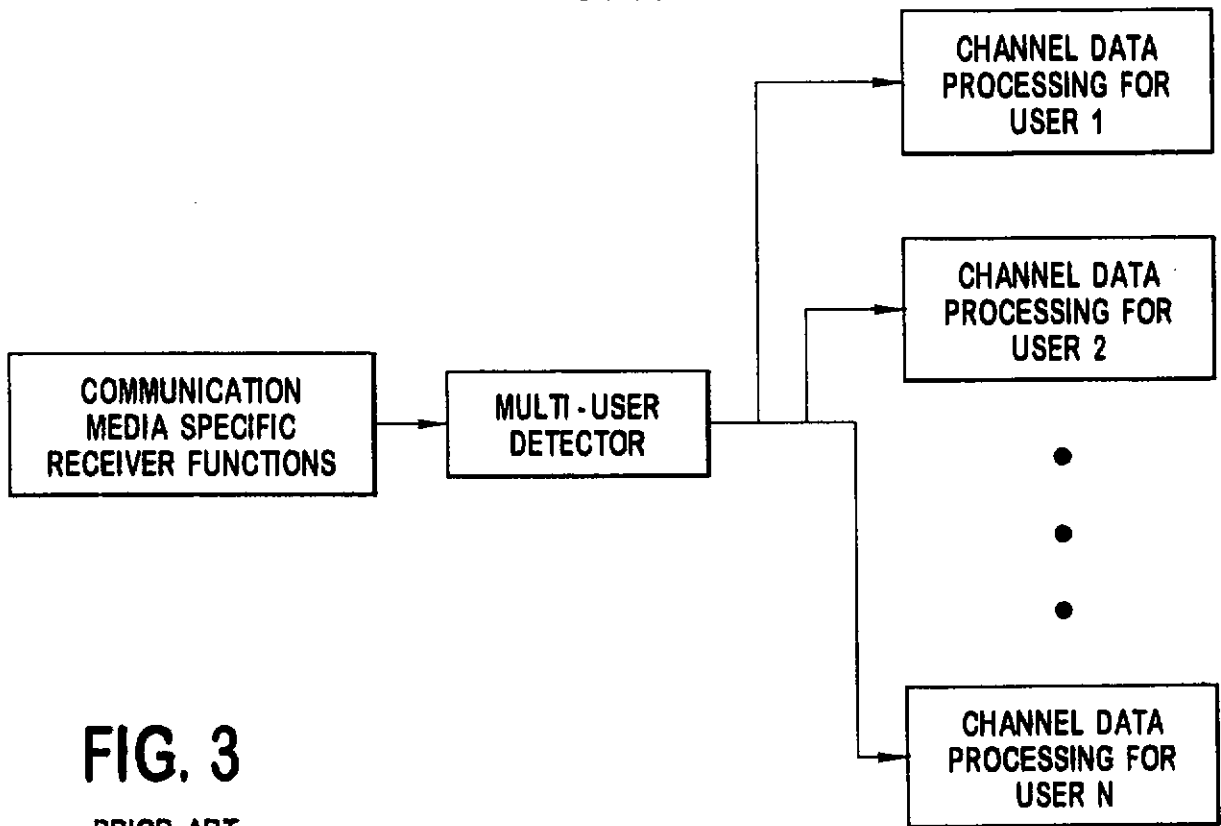
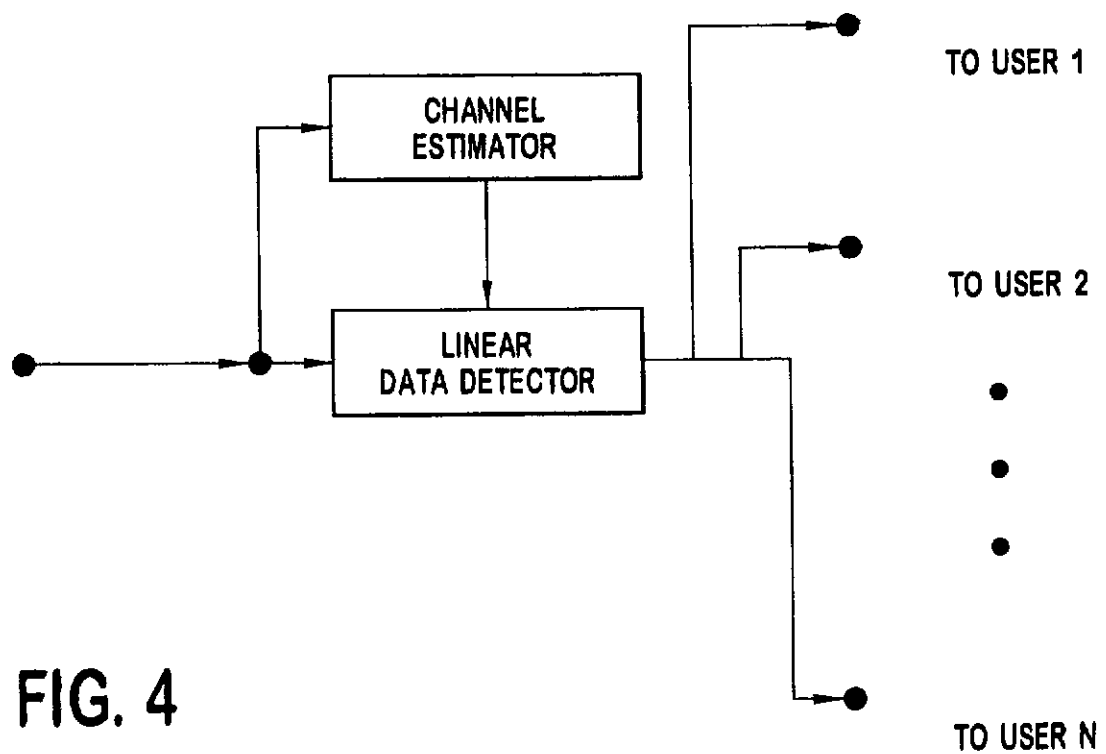


FIG. 2

PRIOR ART

**FIG. 3**

PRIOR ART

**FIG. 4**

PRIOR ART

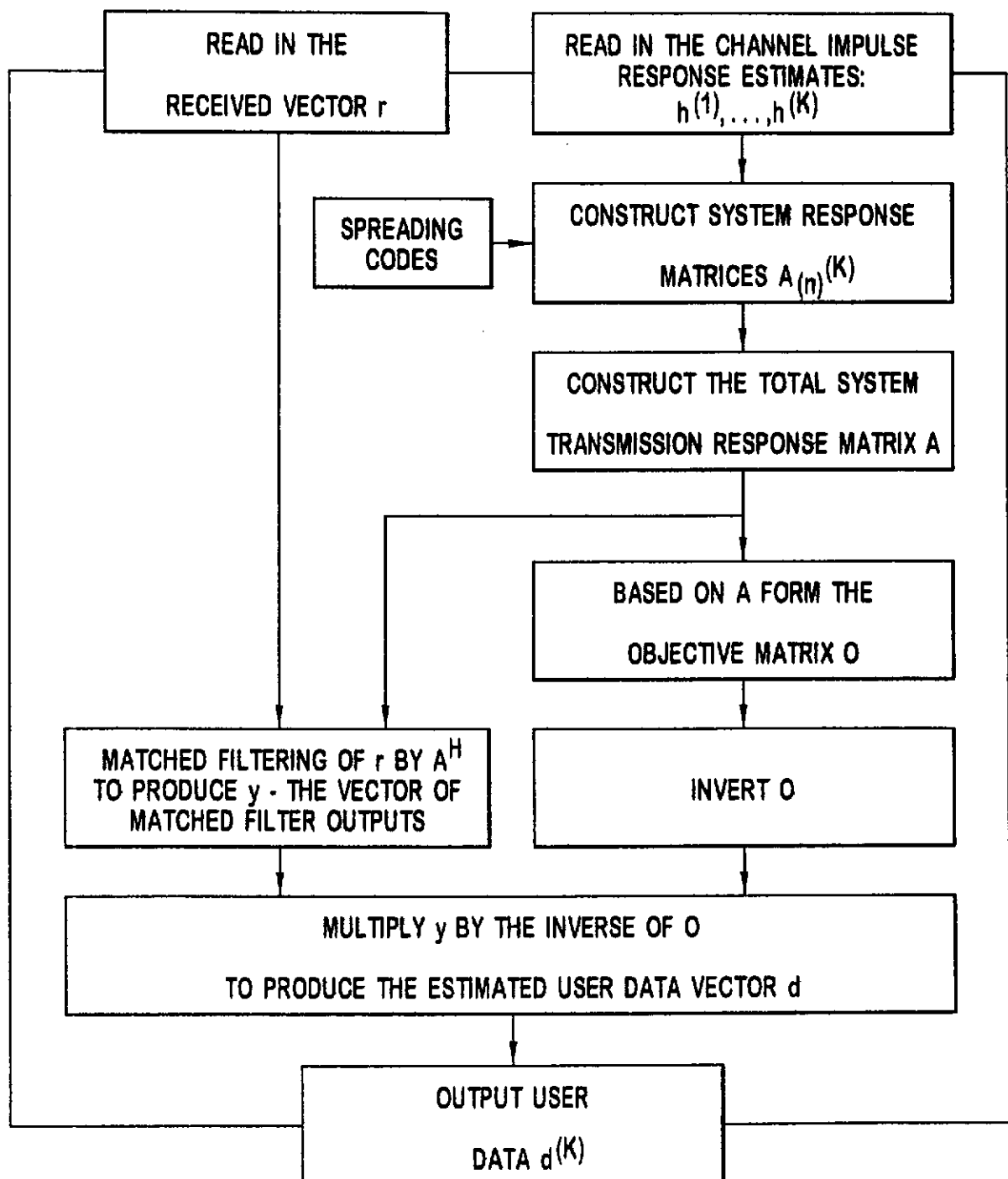


FIG. 5

PRIOR ART

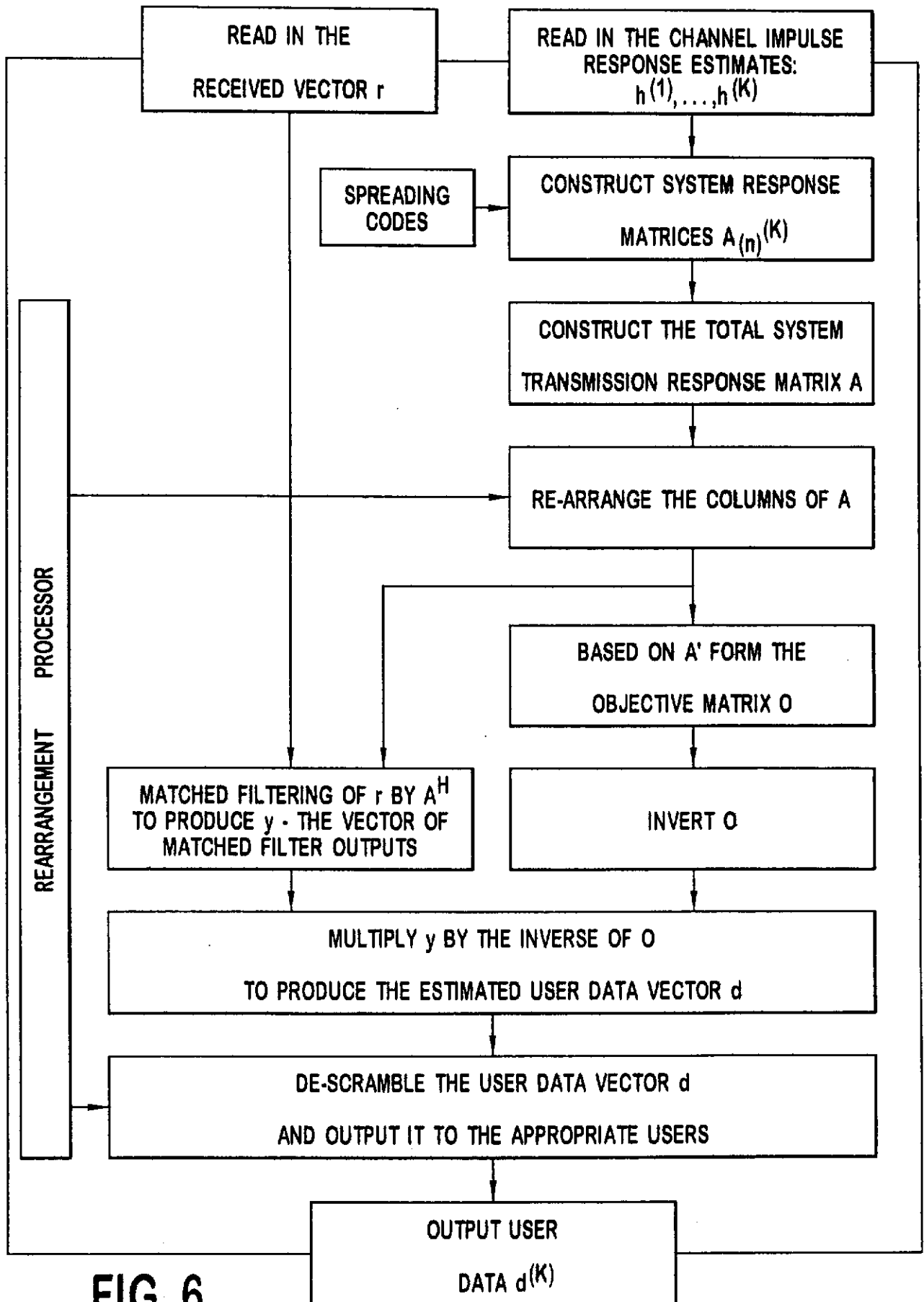


FIG. 6

PRIOR ART

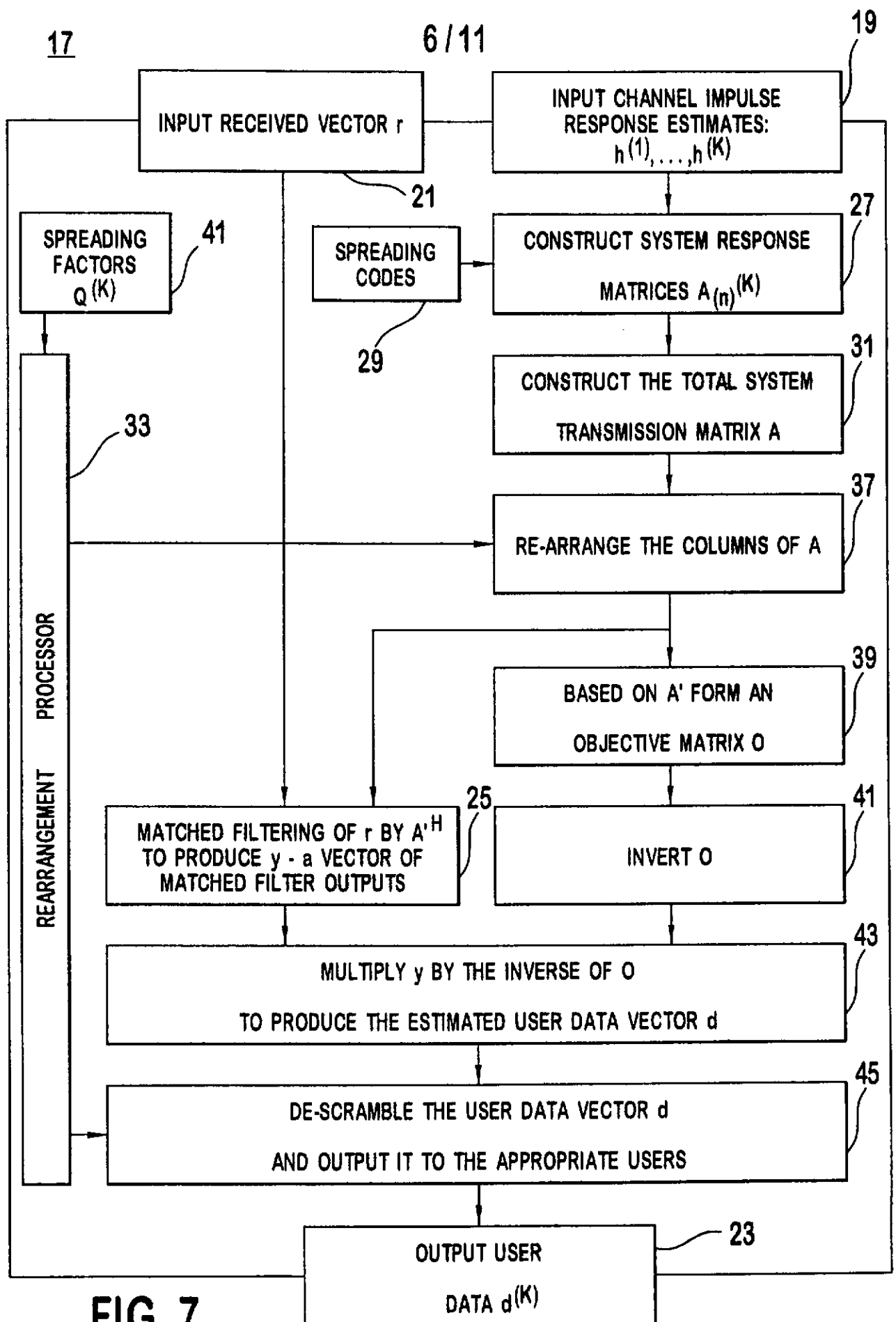


FIG. 7

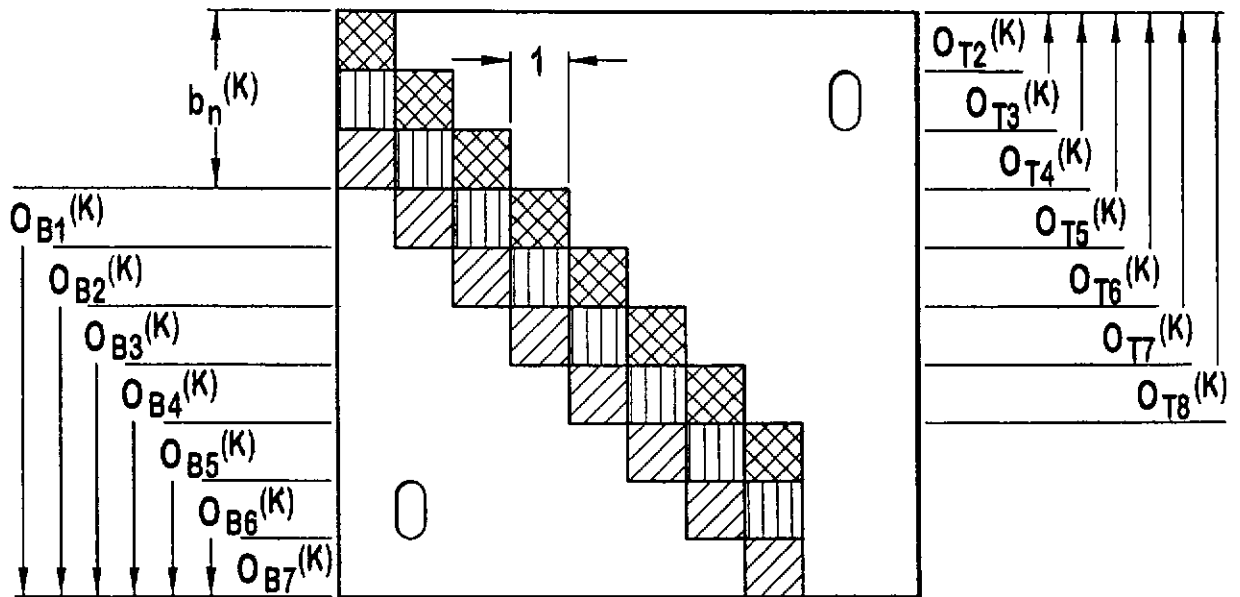


FIG. 8

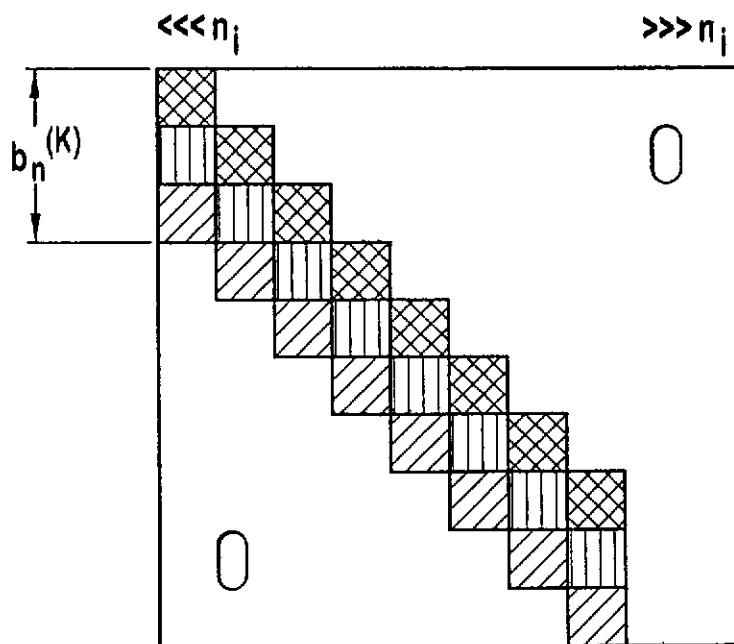


FIG. 9

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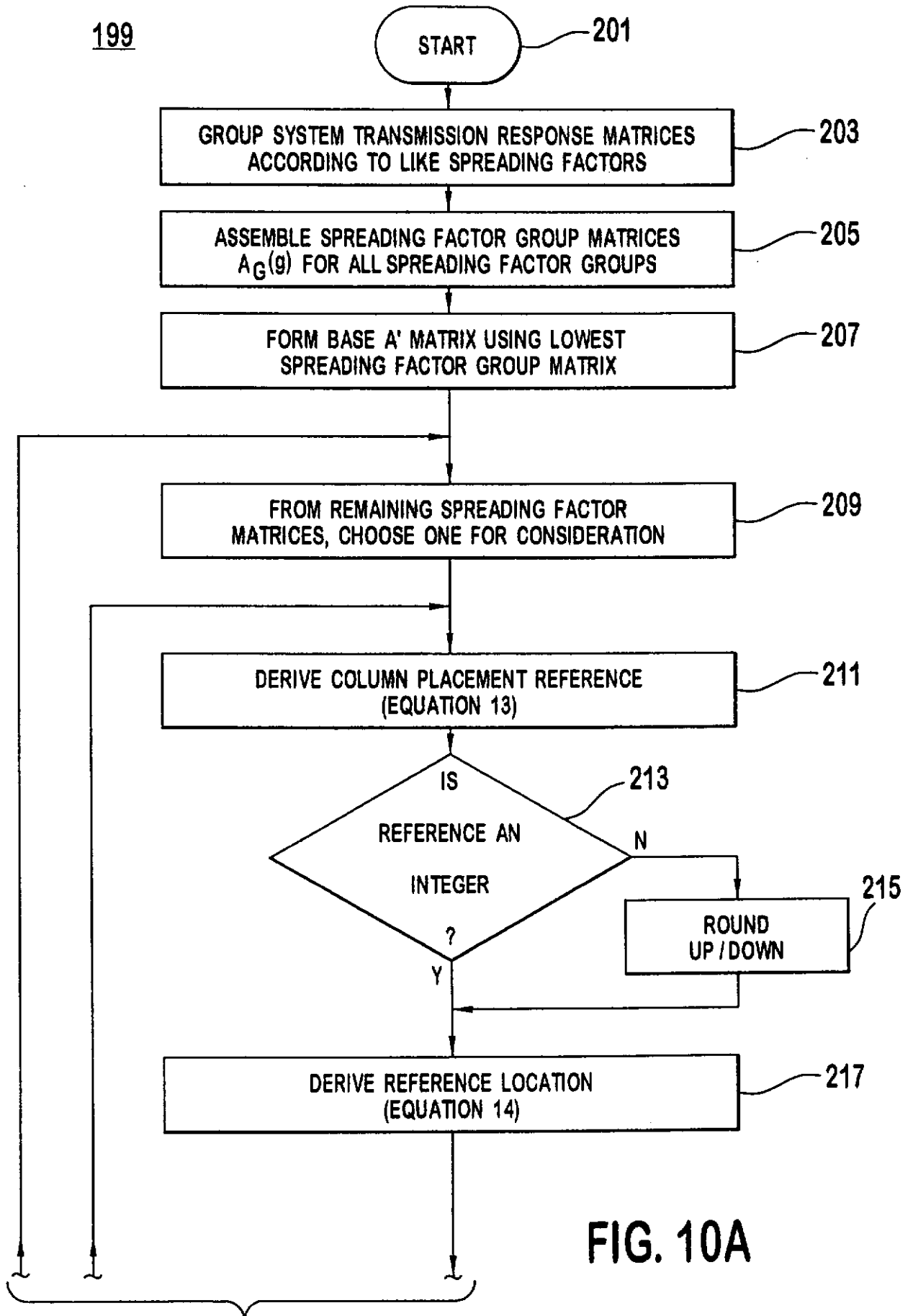


FIG. 10A

FIG. 10B

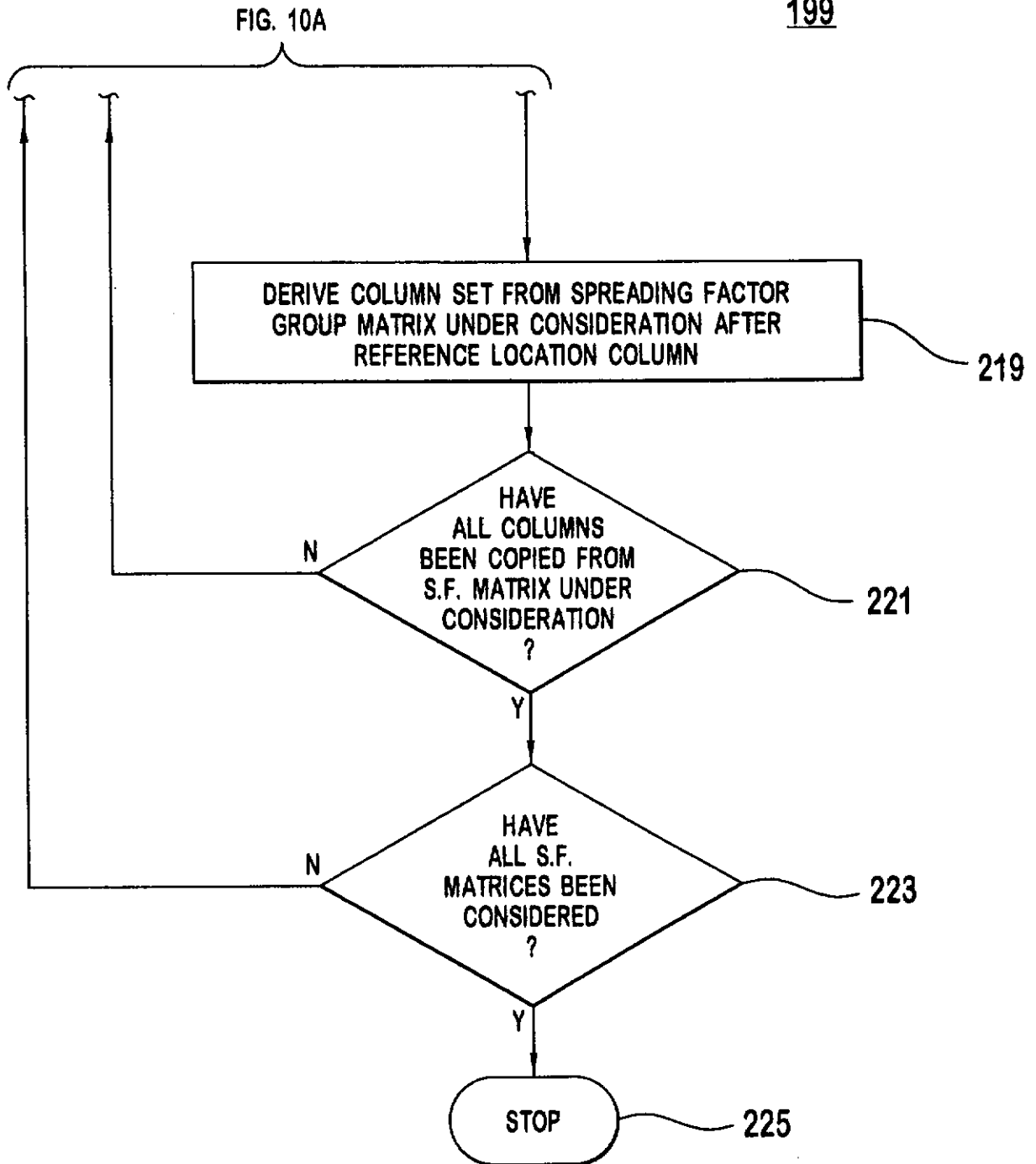
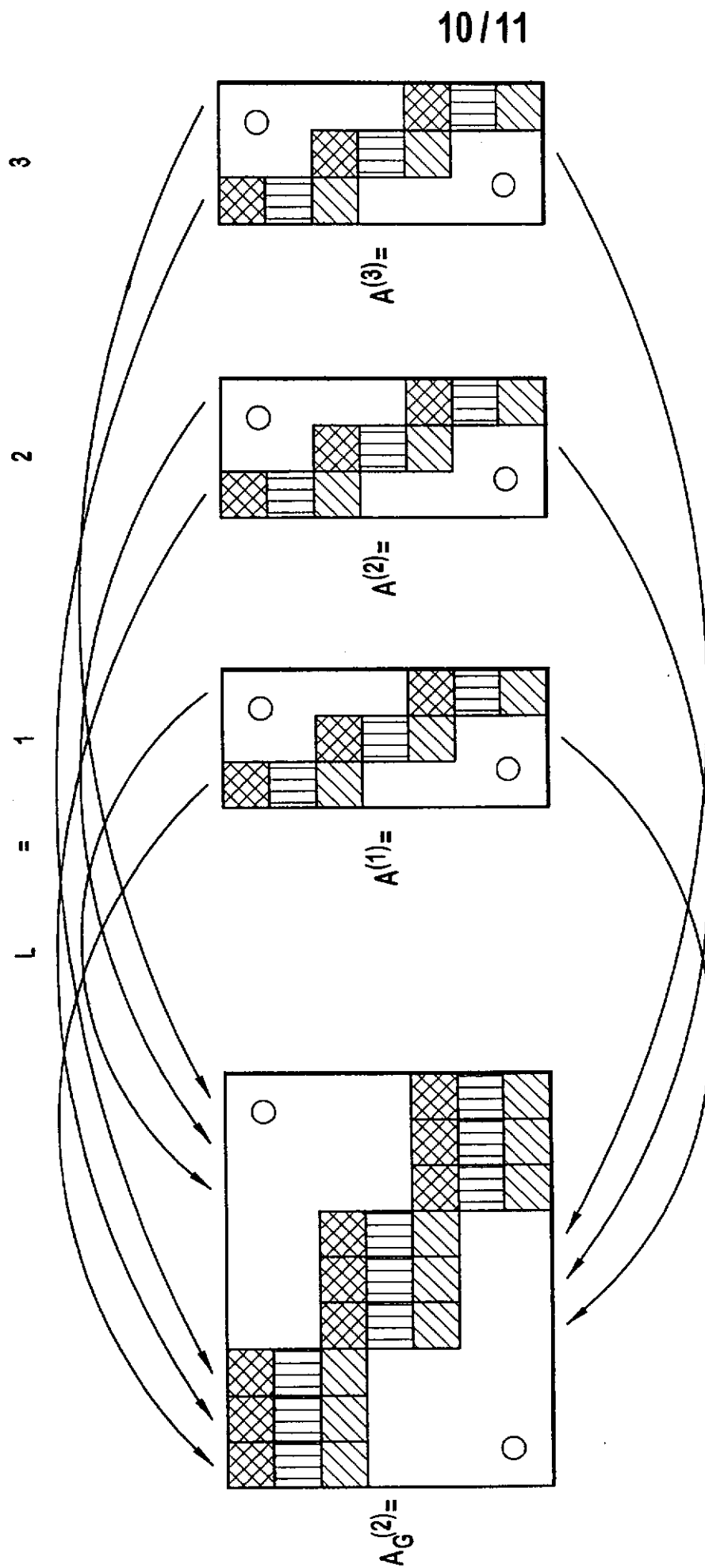


FIG. 10B

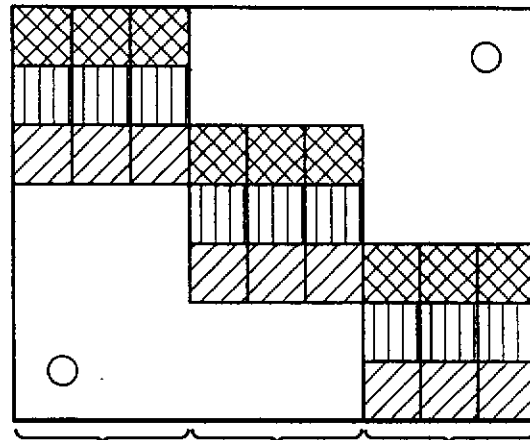


COMMON SPREADING FACTOR GROUP TRANSMISSION RESPONSE MATRIX $A_G^{(g)}$
ASSEMBLY

FIG. 11

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$A_G^{(2)} =$



COMMON SPREADING FACTOR
GROUP TRANSMISSION RESPONSE
MATRIX

SET =

1

2

3

1

2

3

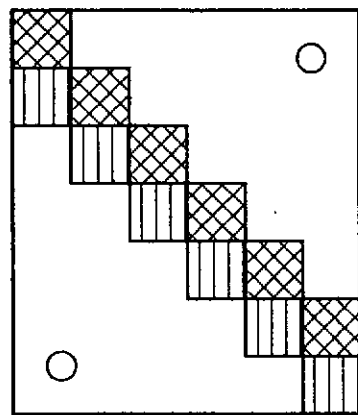
4

5

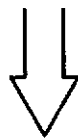
6

EQUATIONS 13, 14 & 15

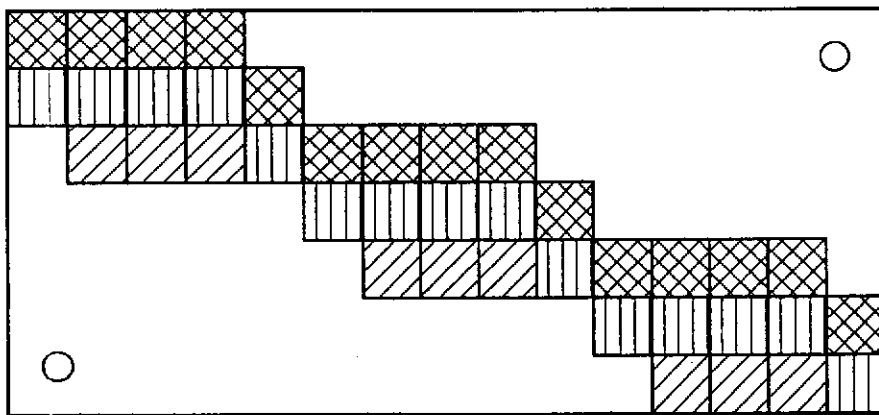
$A^{(1)} =$



BASE MATRIX A'



$A' =$



TOTAL SYSTEM TRANSMISSION RESPONSE MATRIX A'

ASSEMBLY

FIG. 12