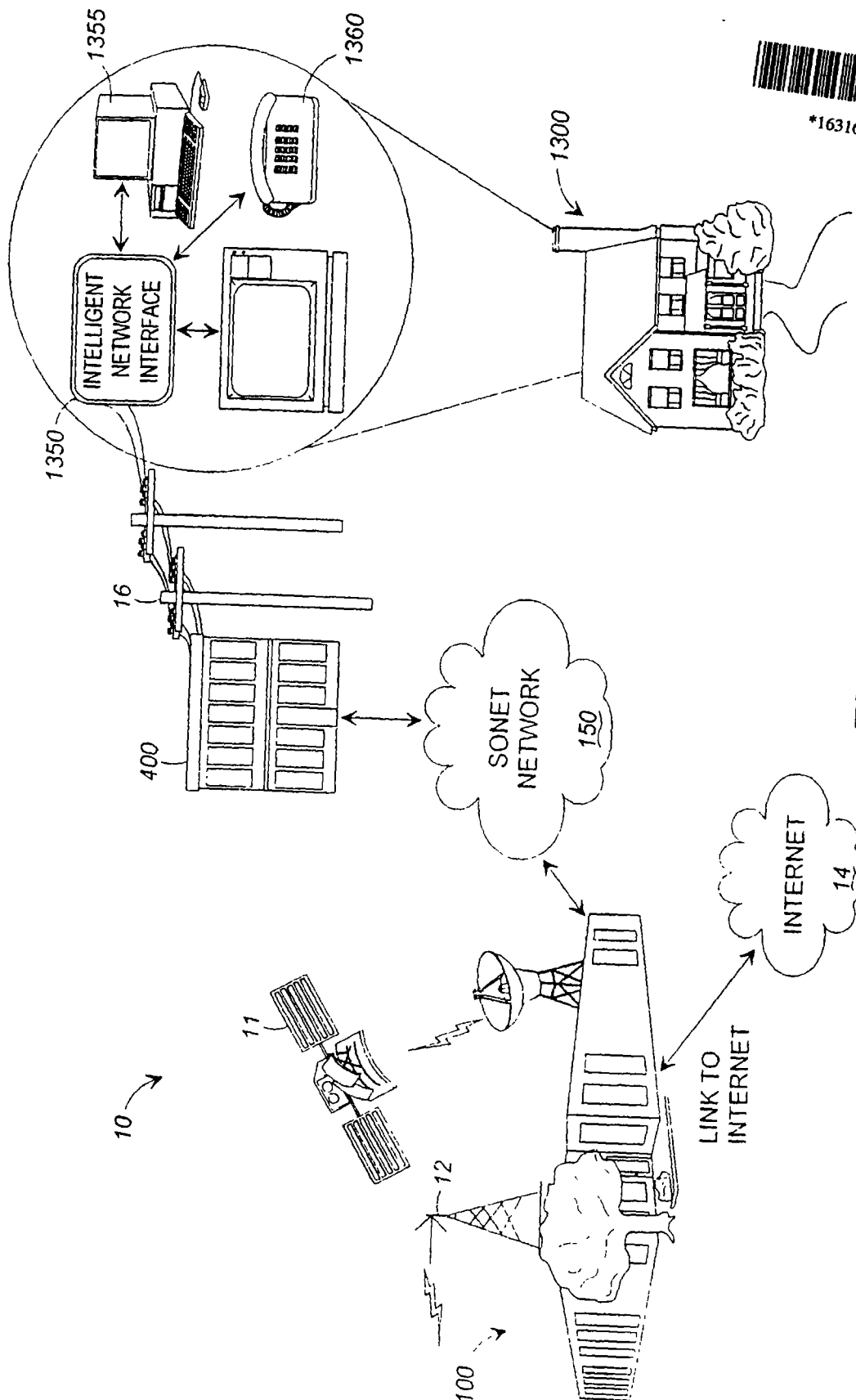
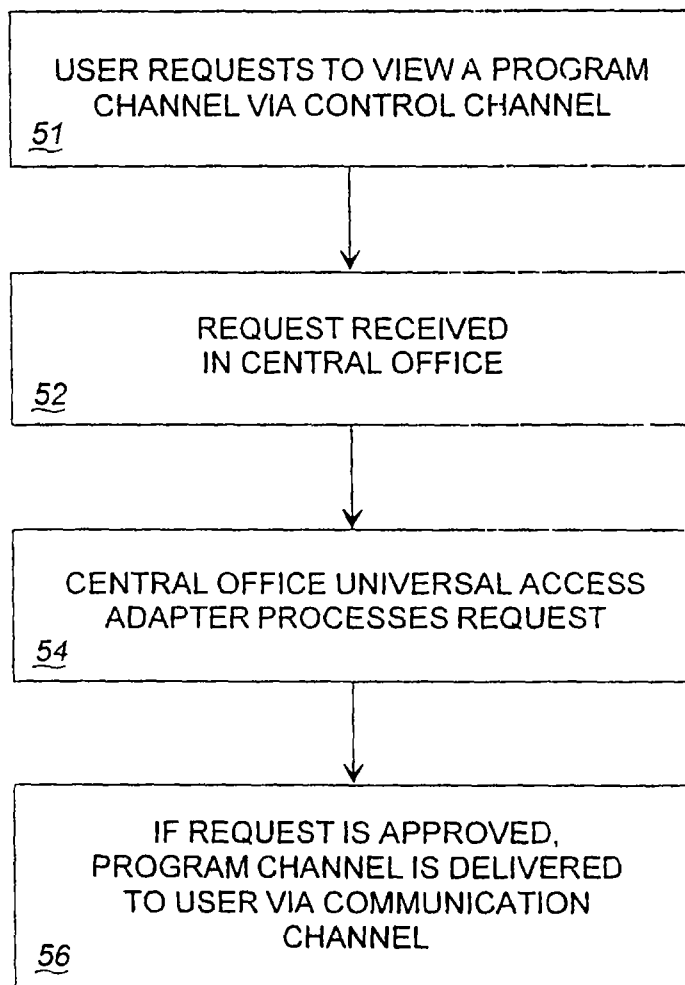




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**FIG. 1B**

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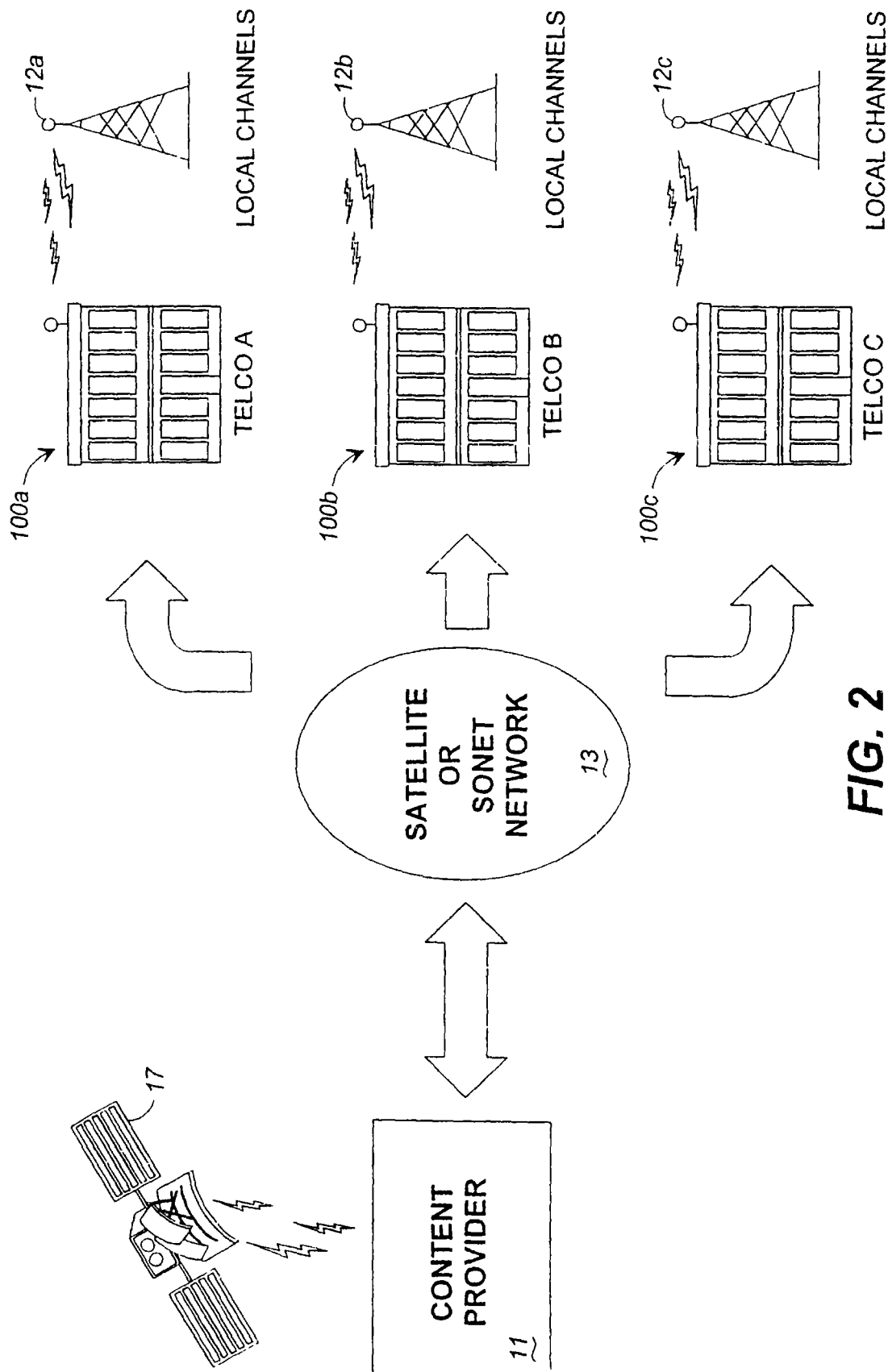


FIG. 2

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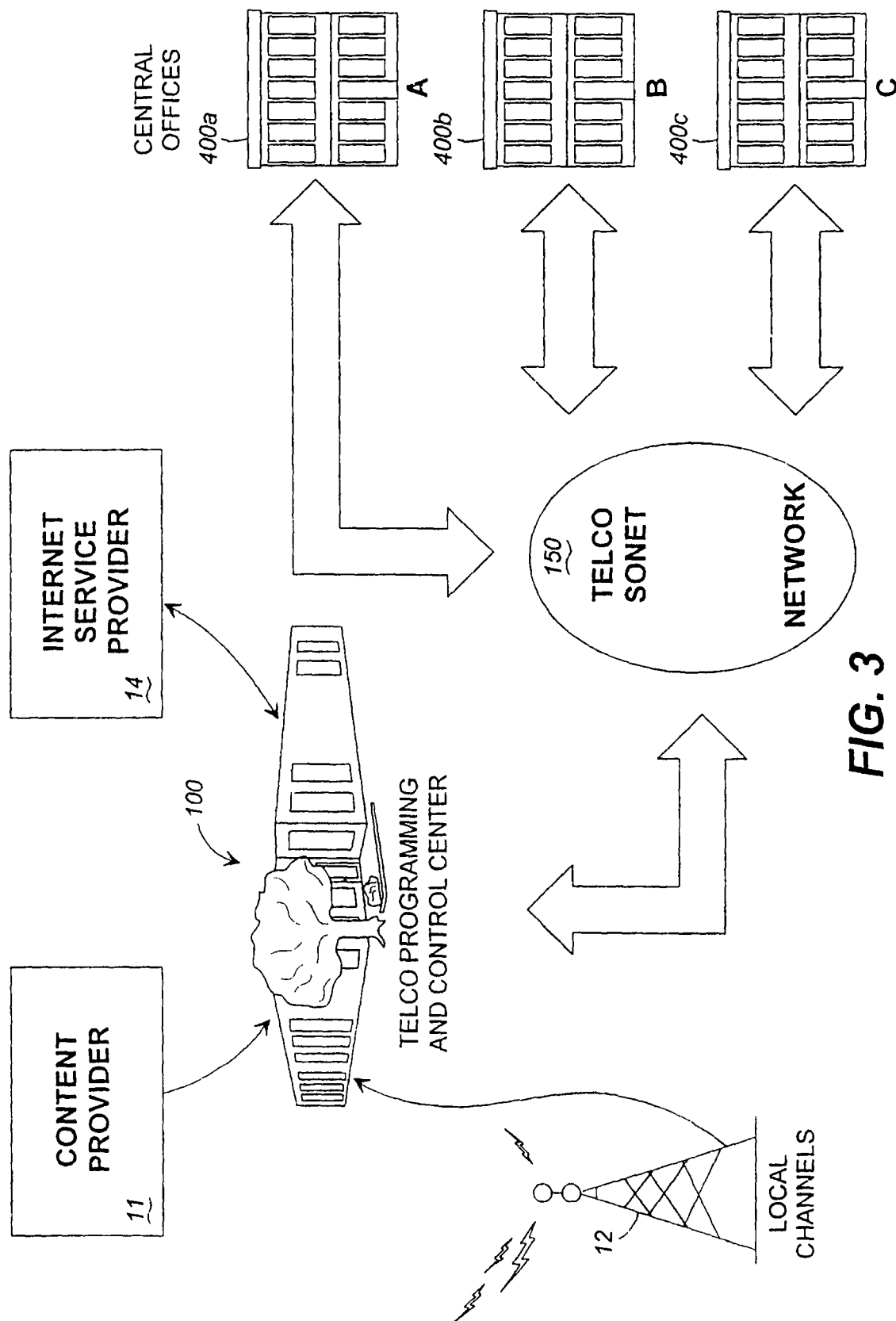
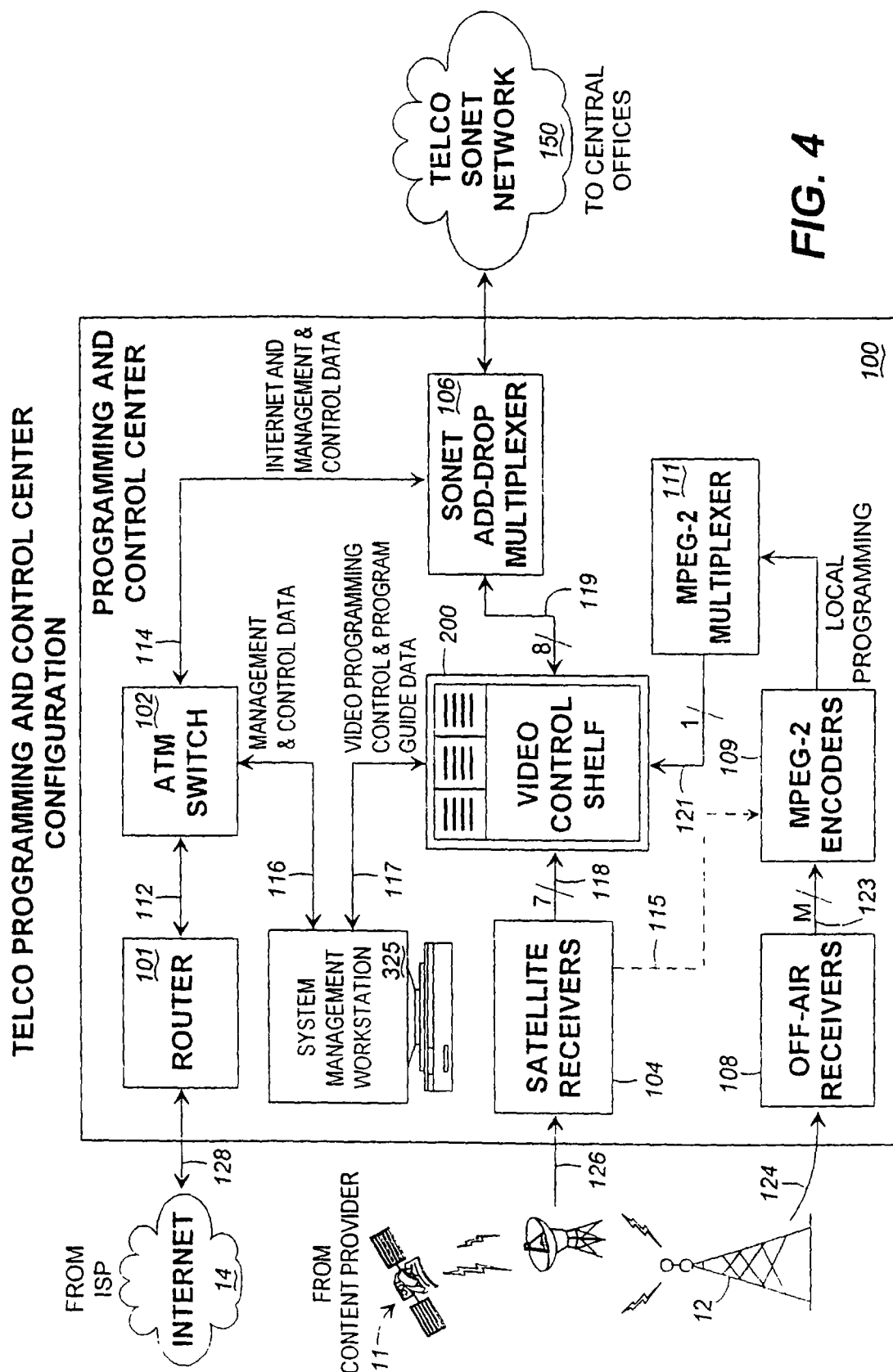


FIG. 3

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**FIG. 4**

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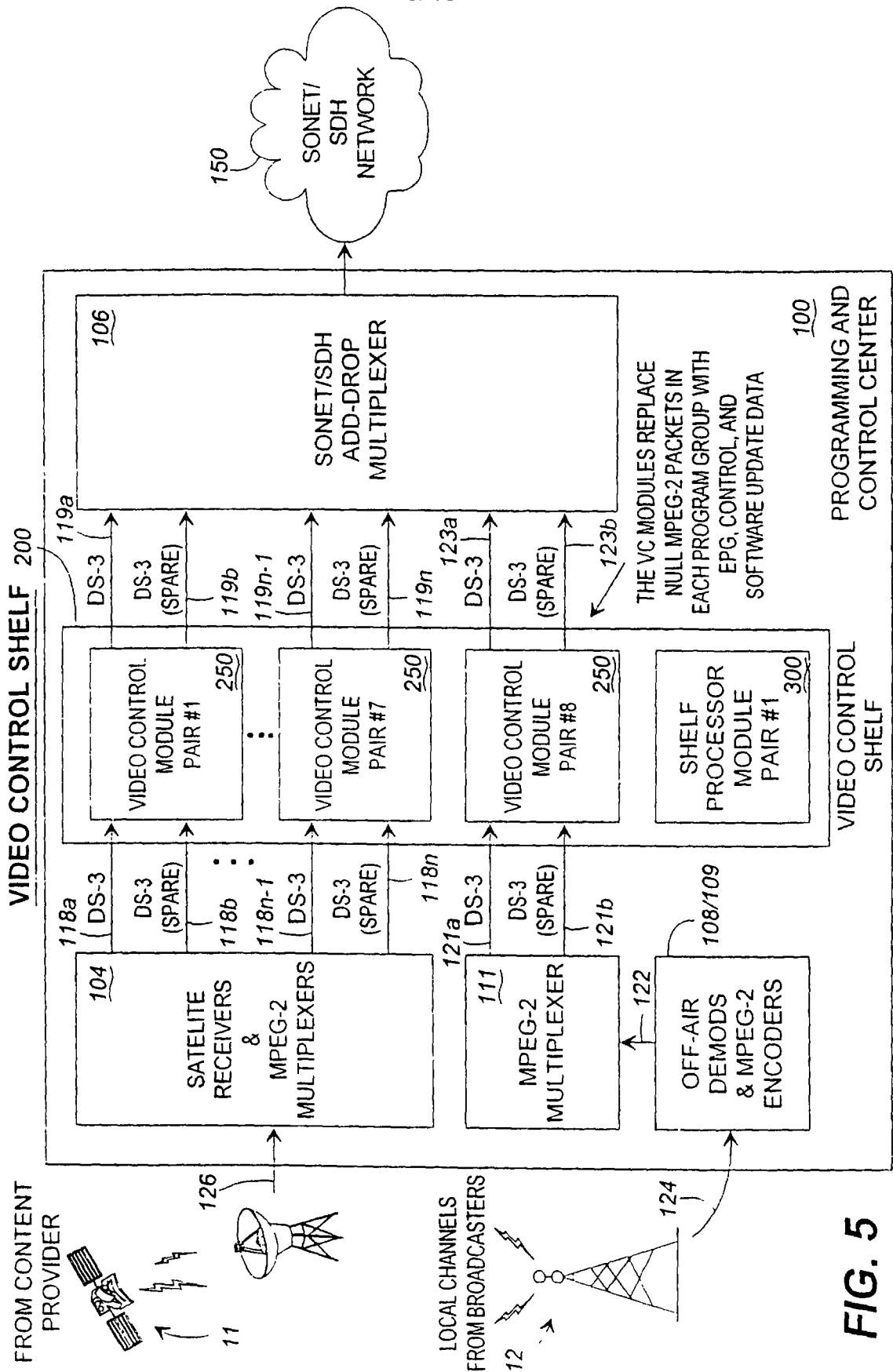


FIG. 5

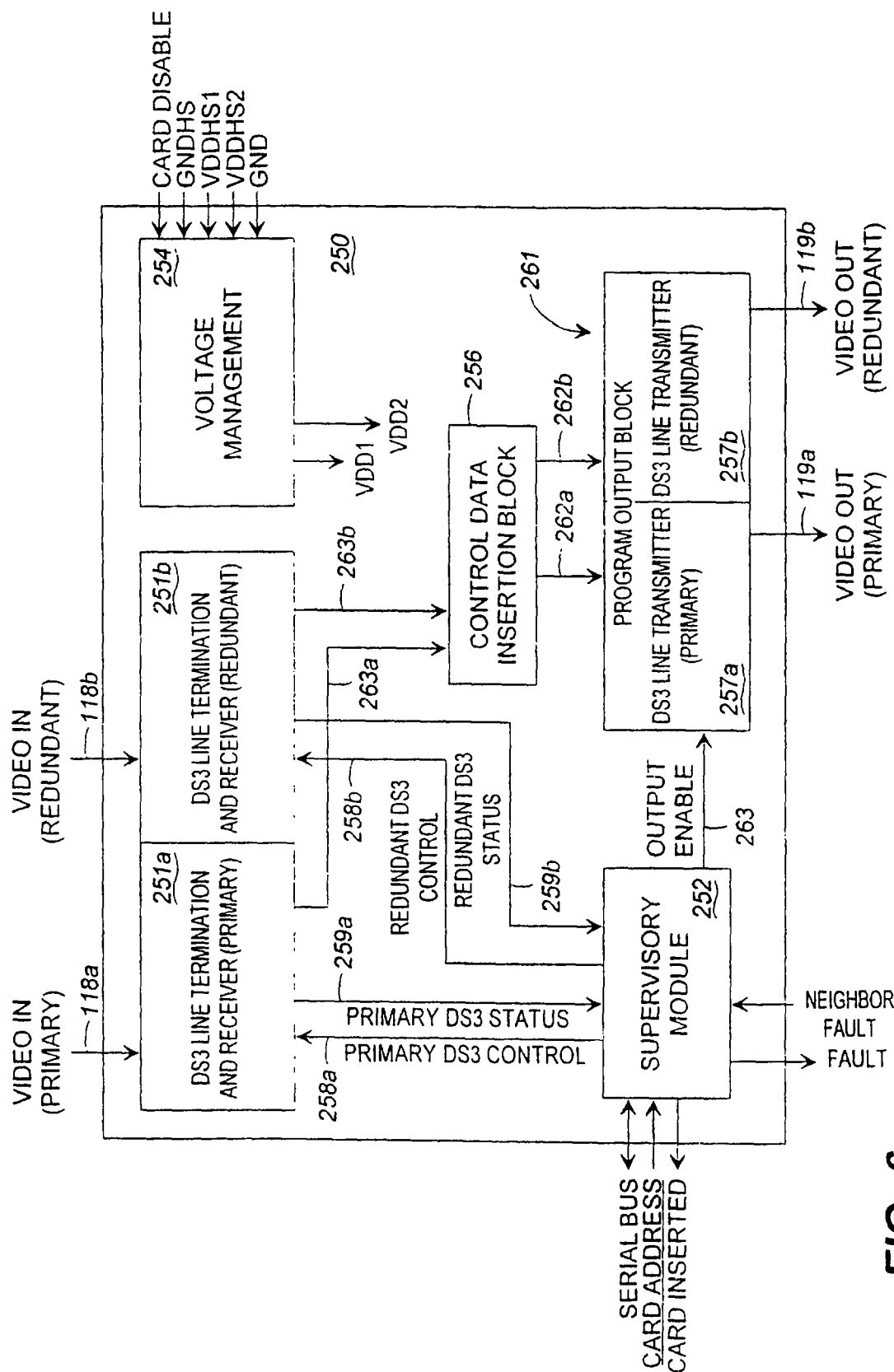


FIG. 6

VIDEO CONTROL-DS3 MODULE BLOCK DIAGRAM

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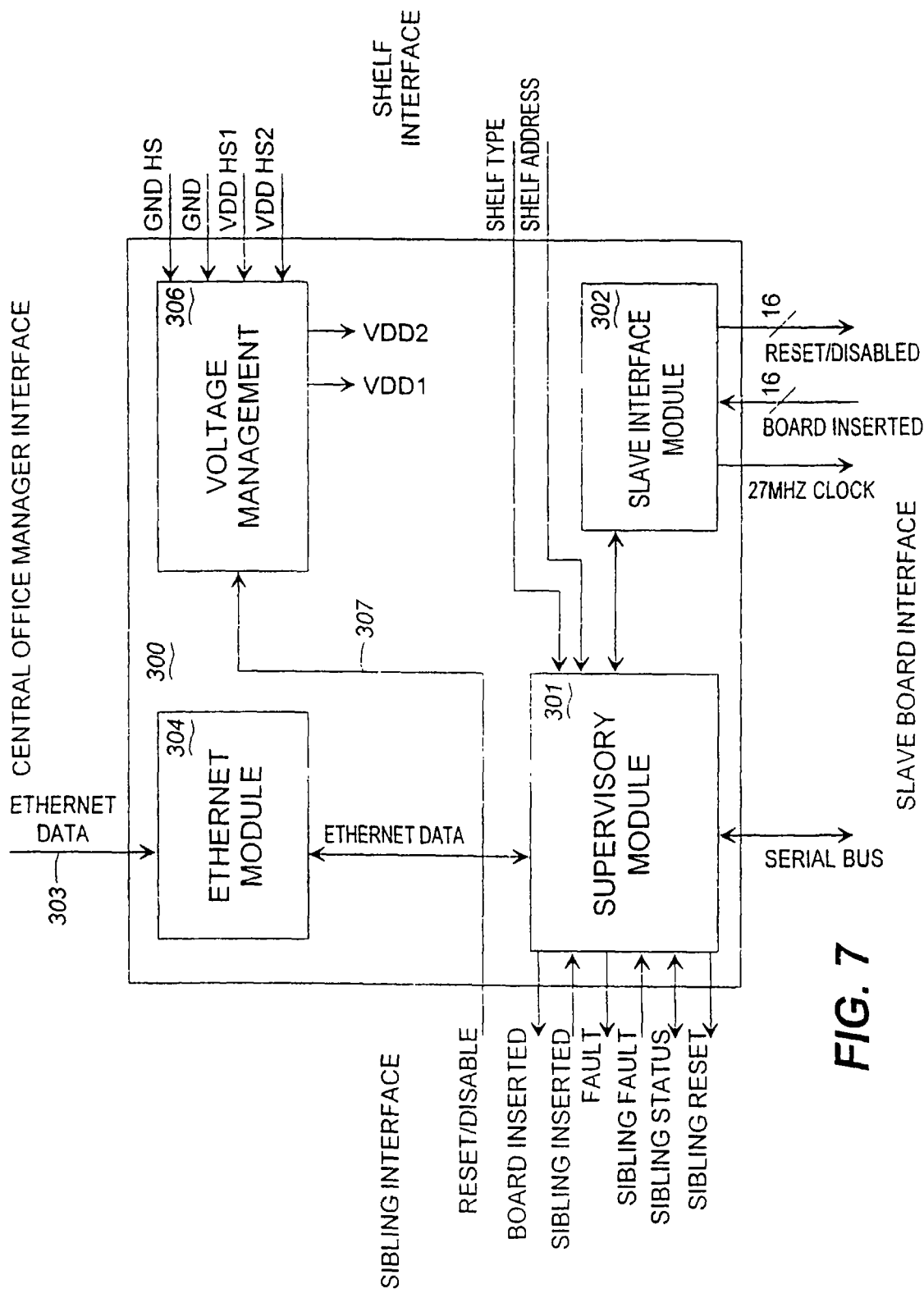


FIG. 7

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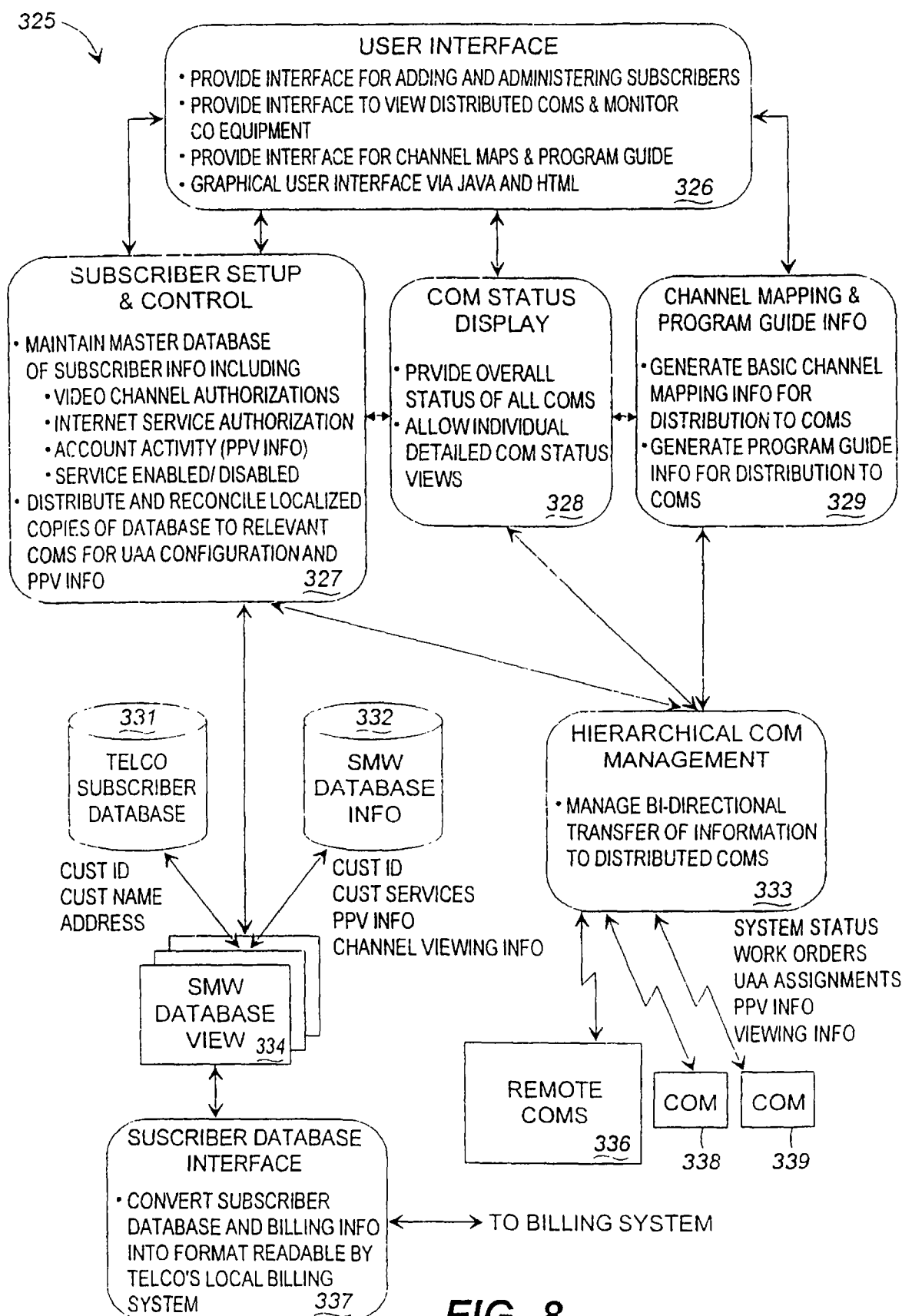


FIG. 8

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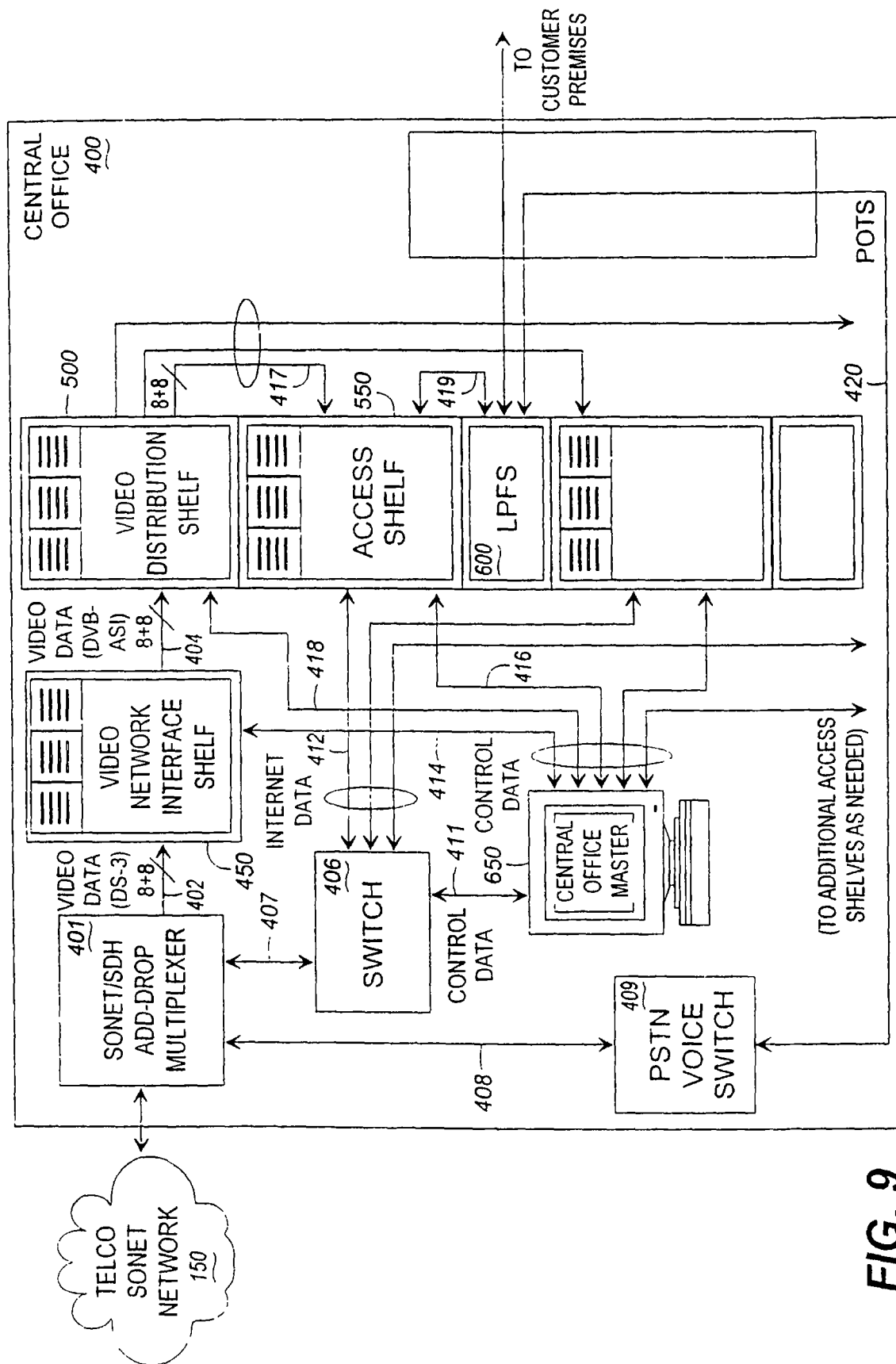


FIG. 9

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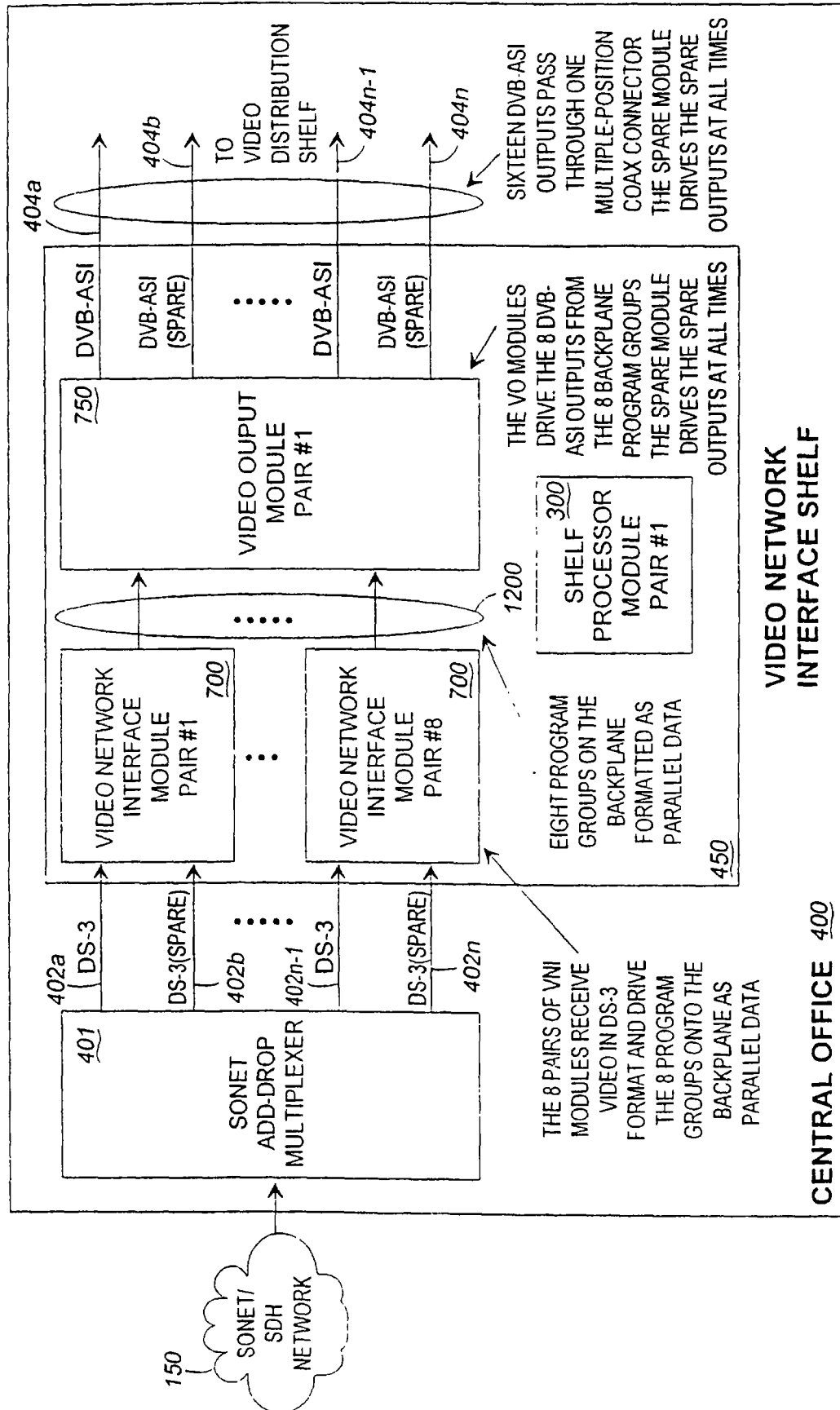


FIG. 10A

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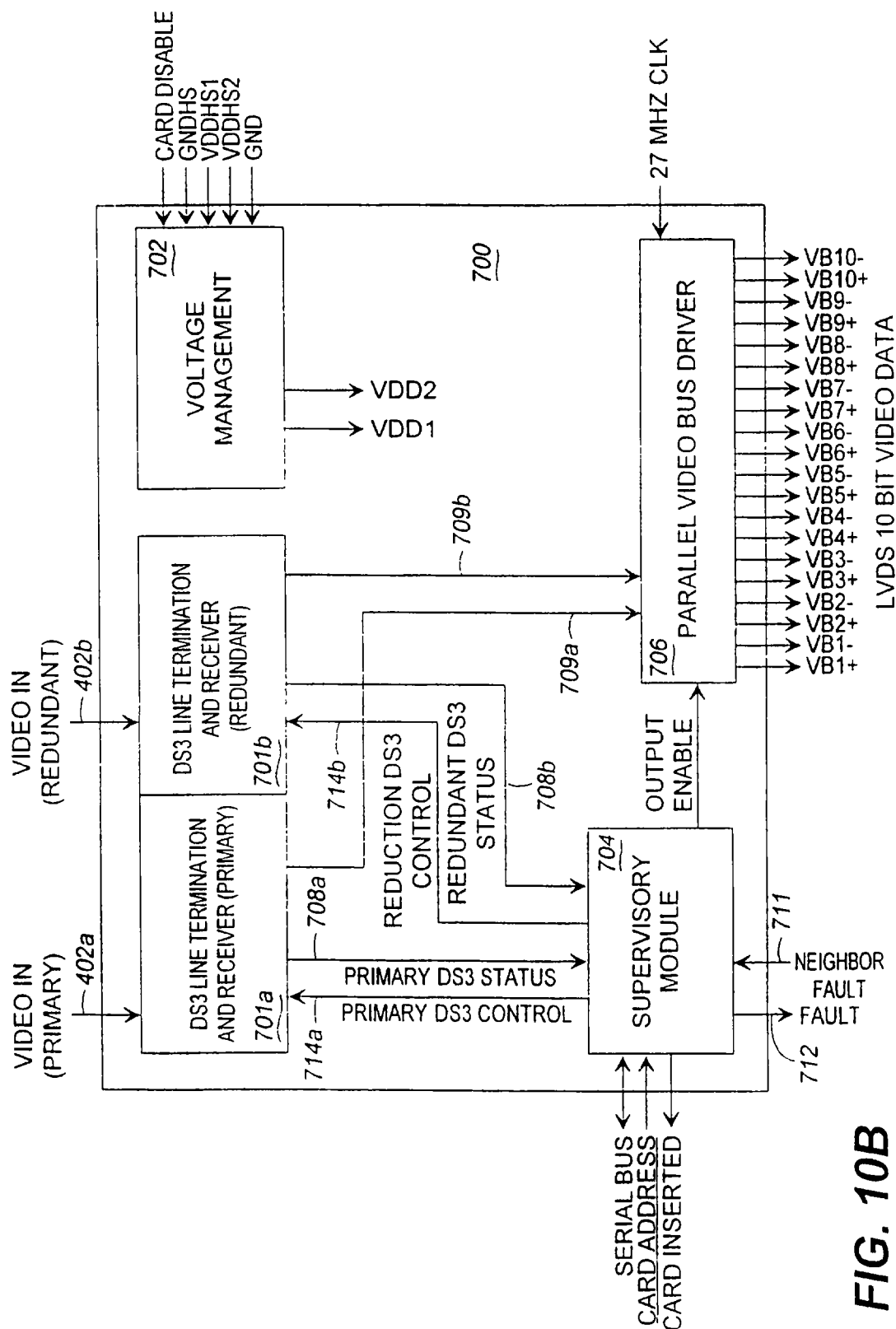


FIG. 10B

VIDEO NETWORK INTERFACE - DS3 MODULE BLOCK DIAGRAM

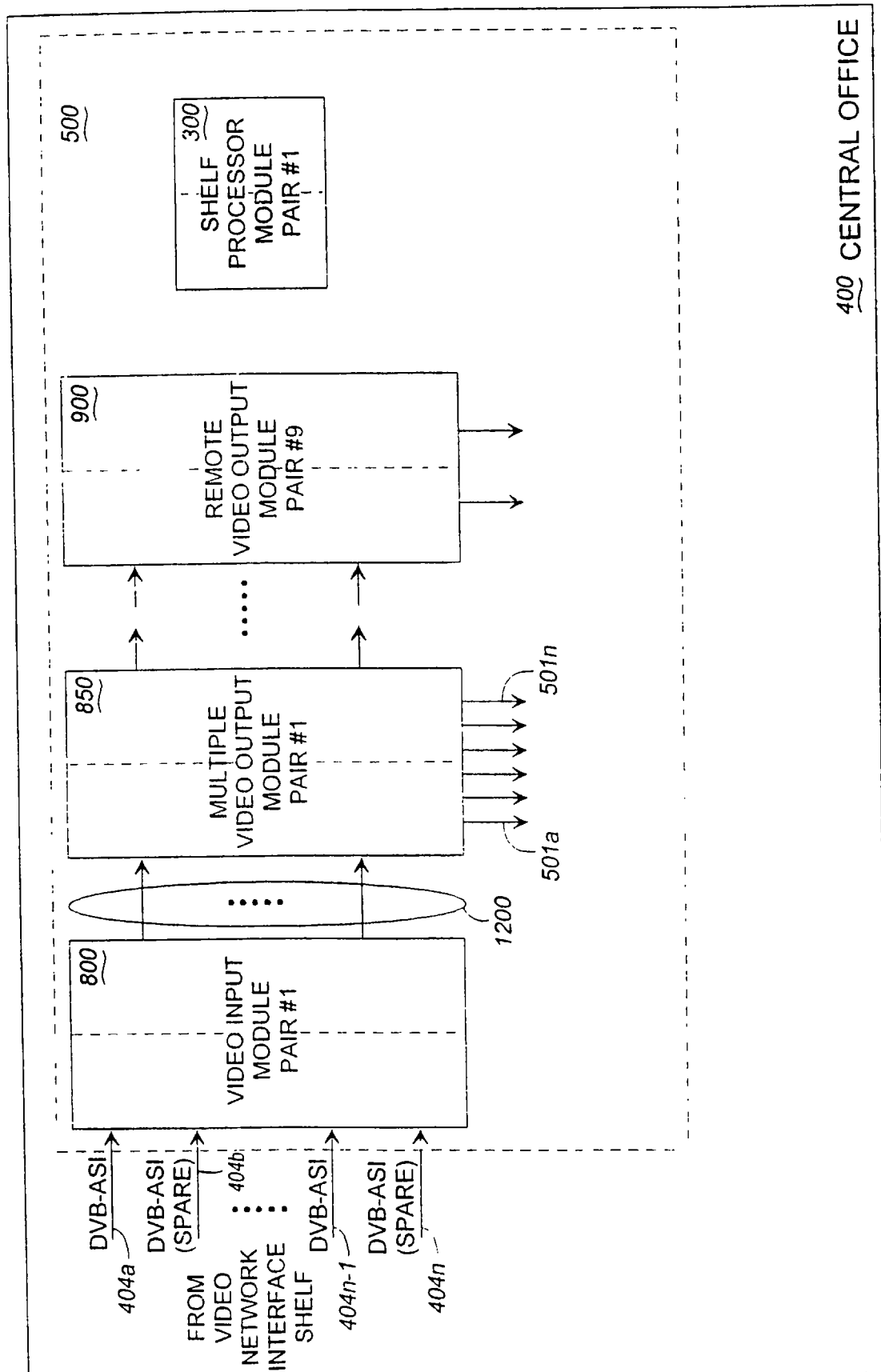


FIG. 11A

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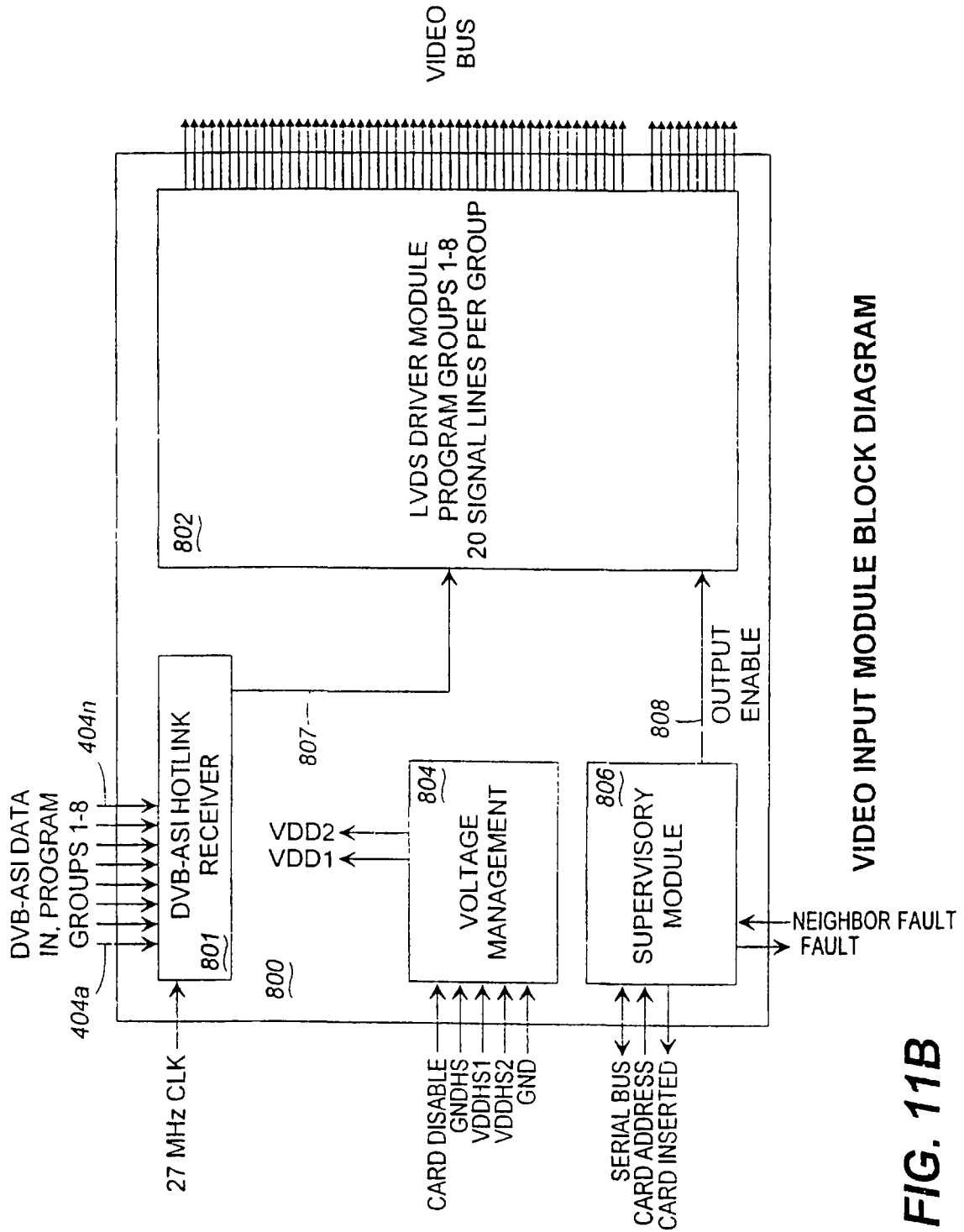


FIG. 11B

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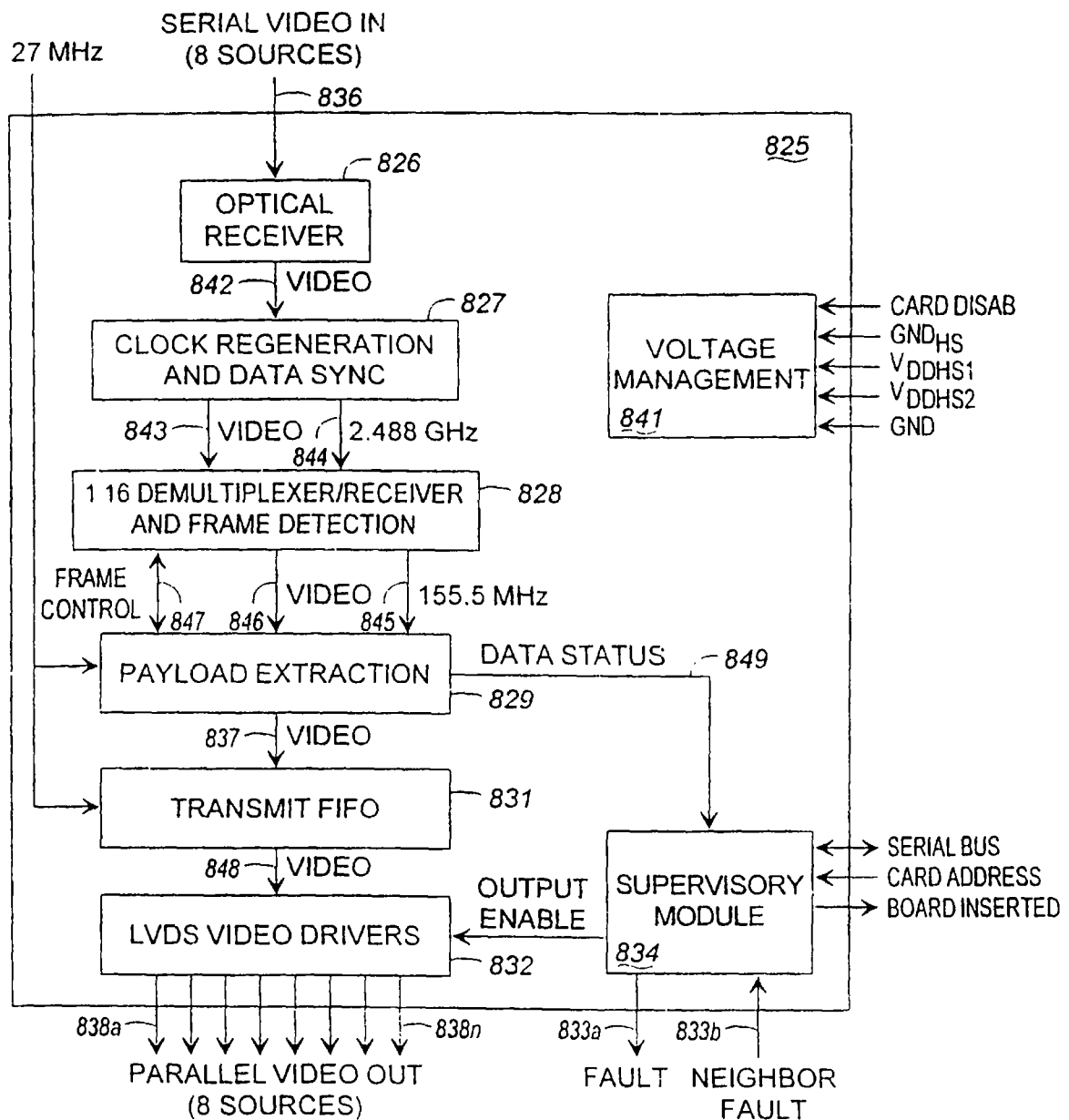


FIG. 11C

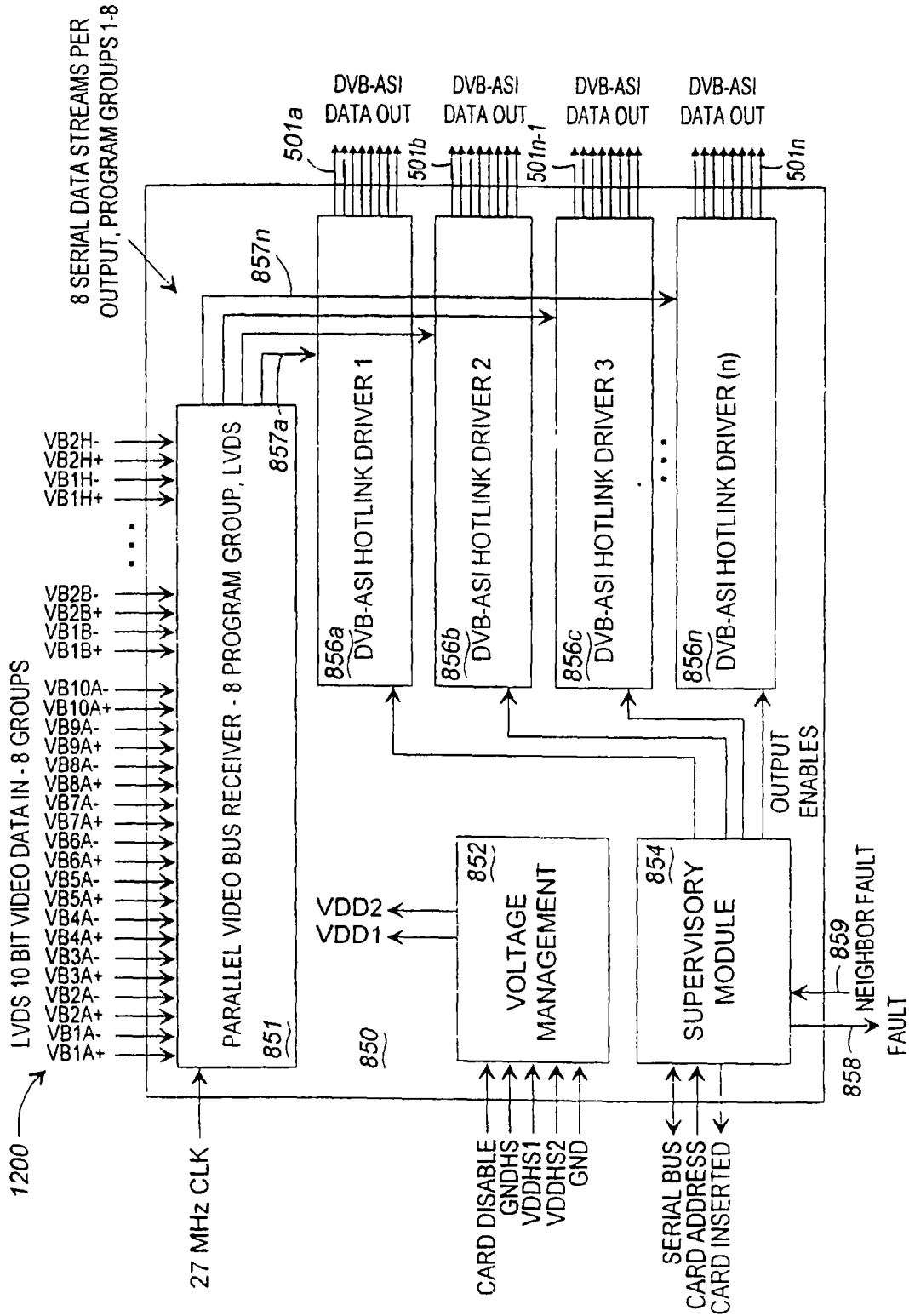


FIG. 11D MULTIPLE VIDEO OUTPUT MODULE BLOCK DIAGRAM

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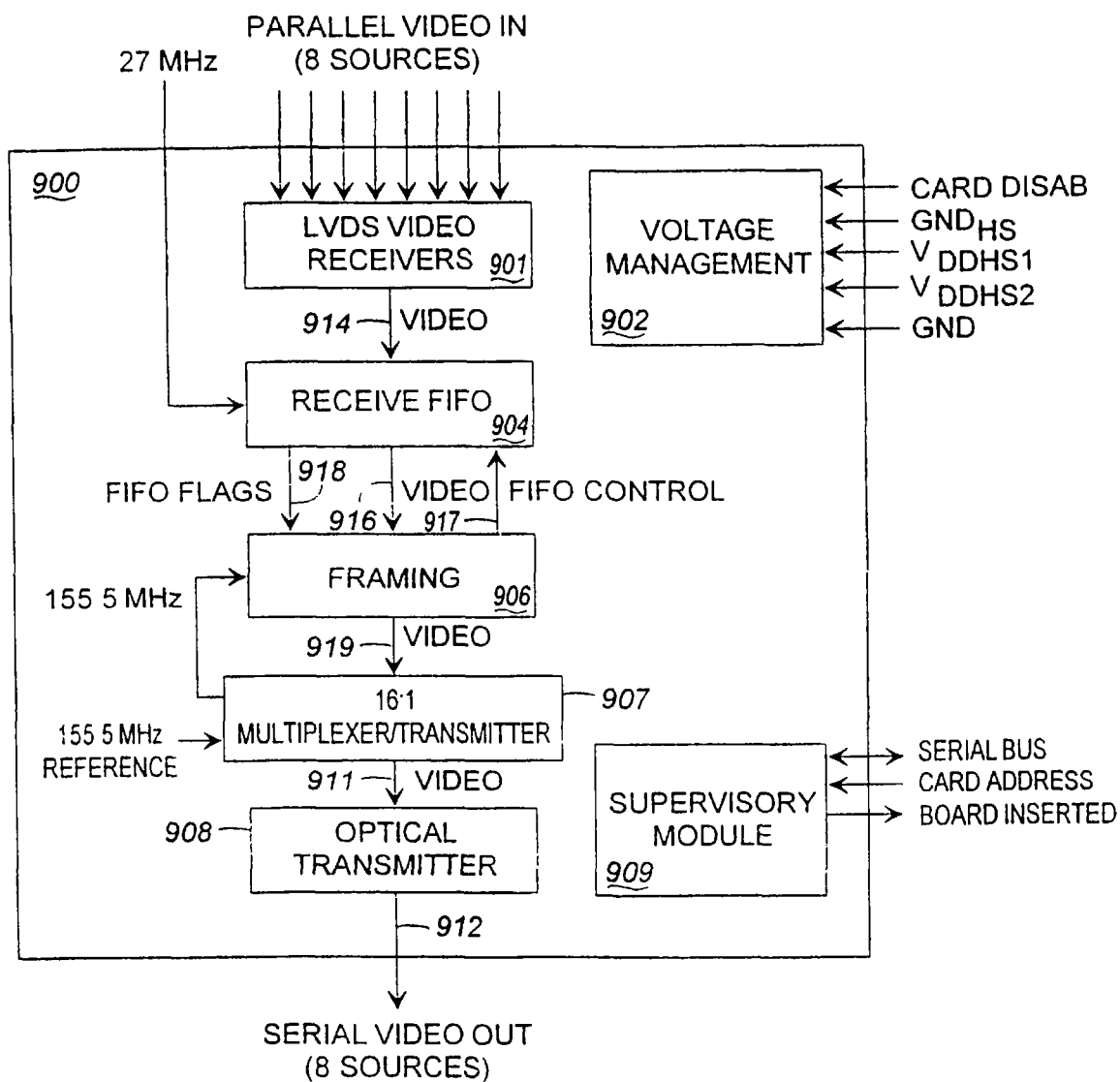


FIG. 11E

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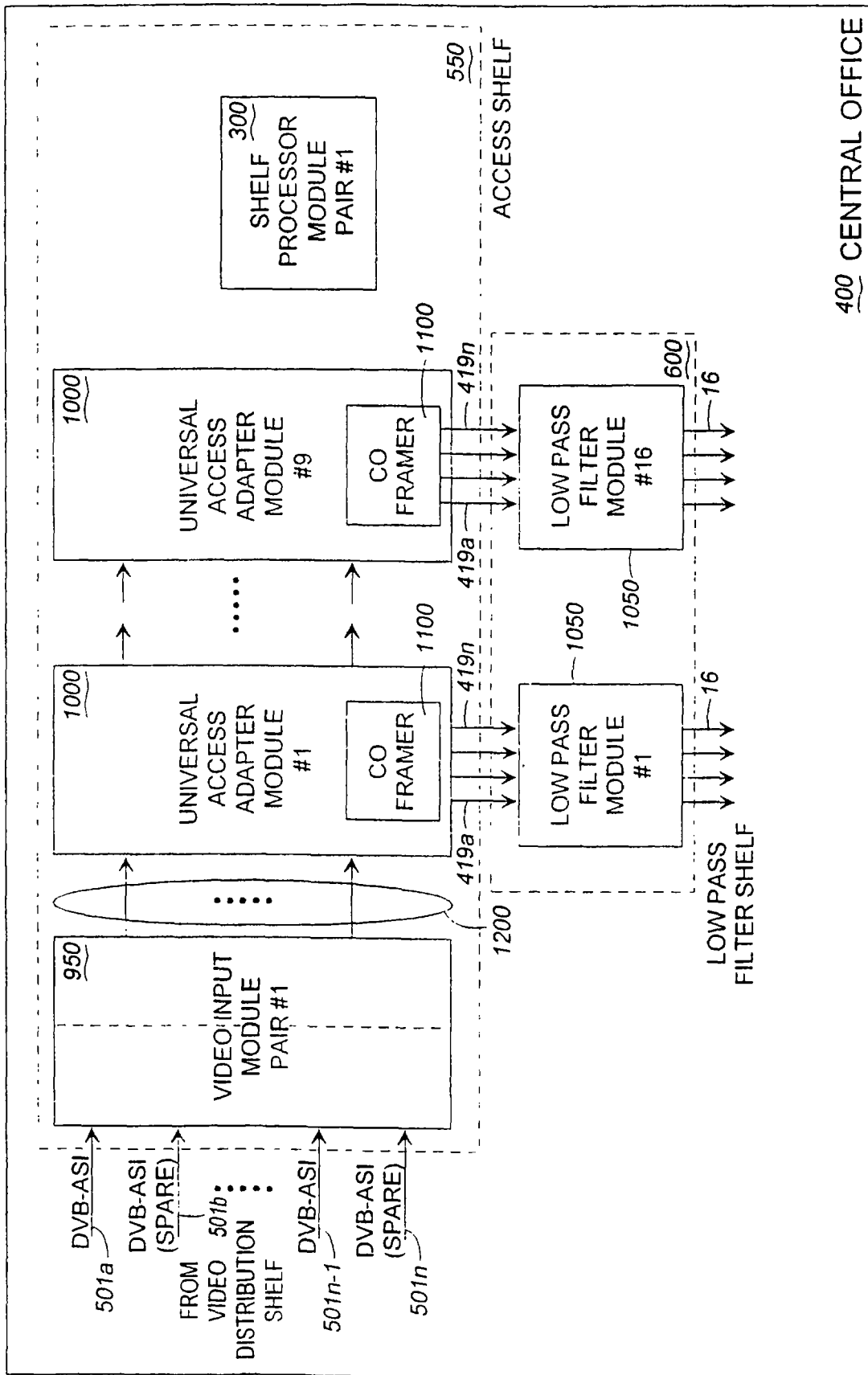


FIG. 12

400 CENTRAL OFFICE

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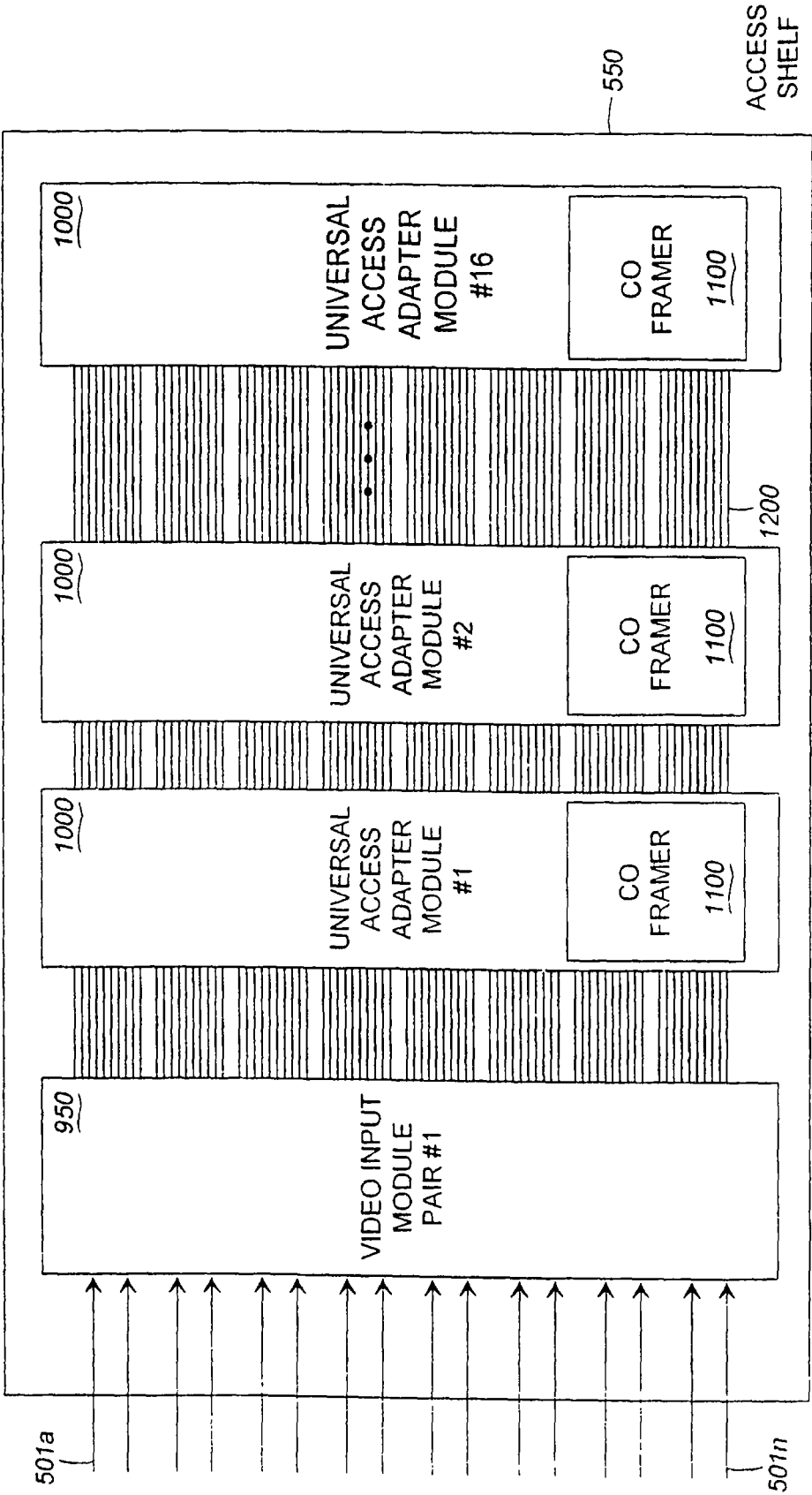


FIG. 13

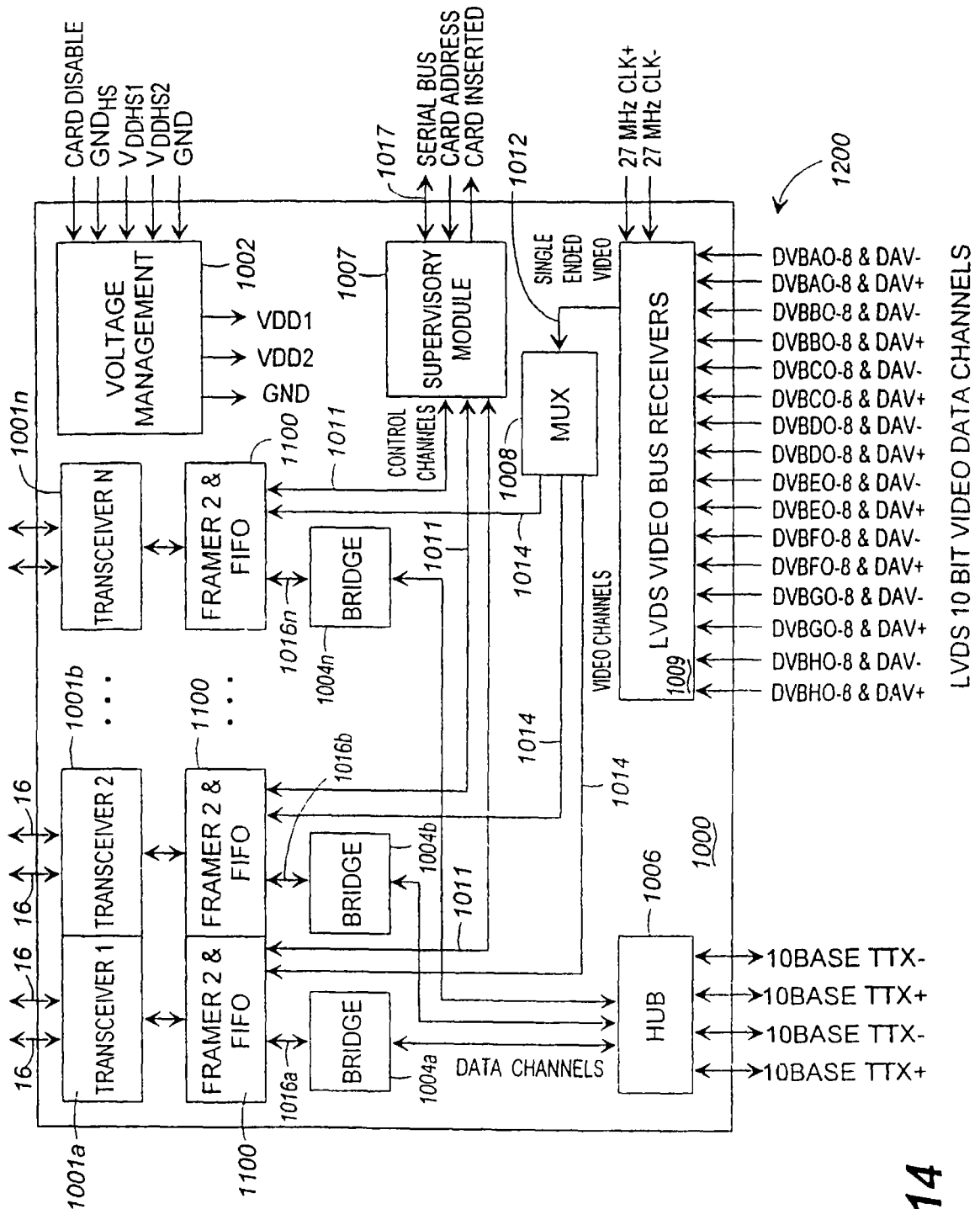


FIG. 14

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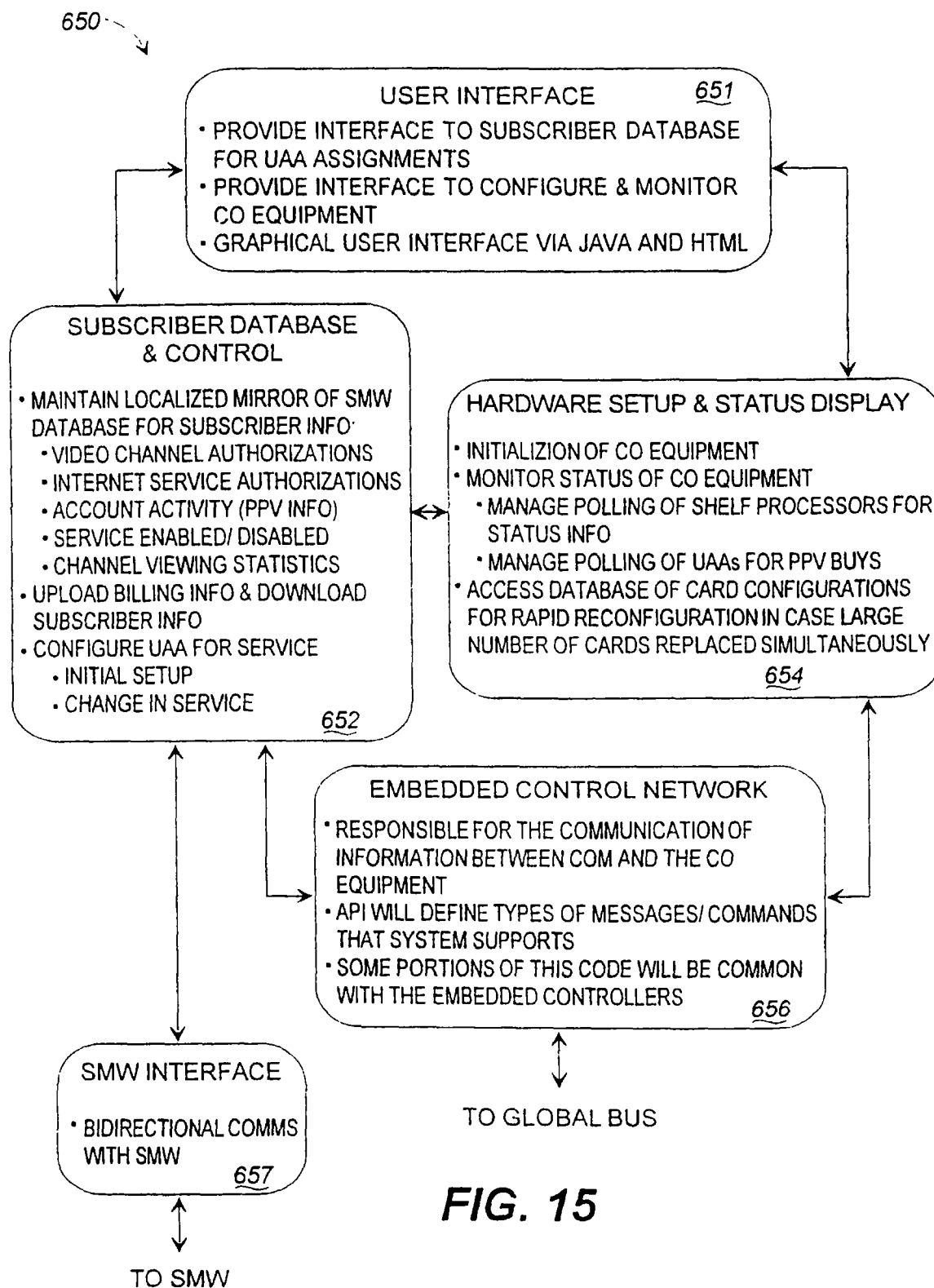
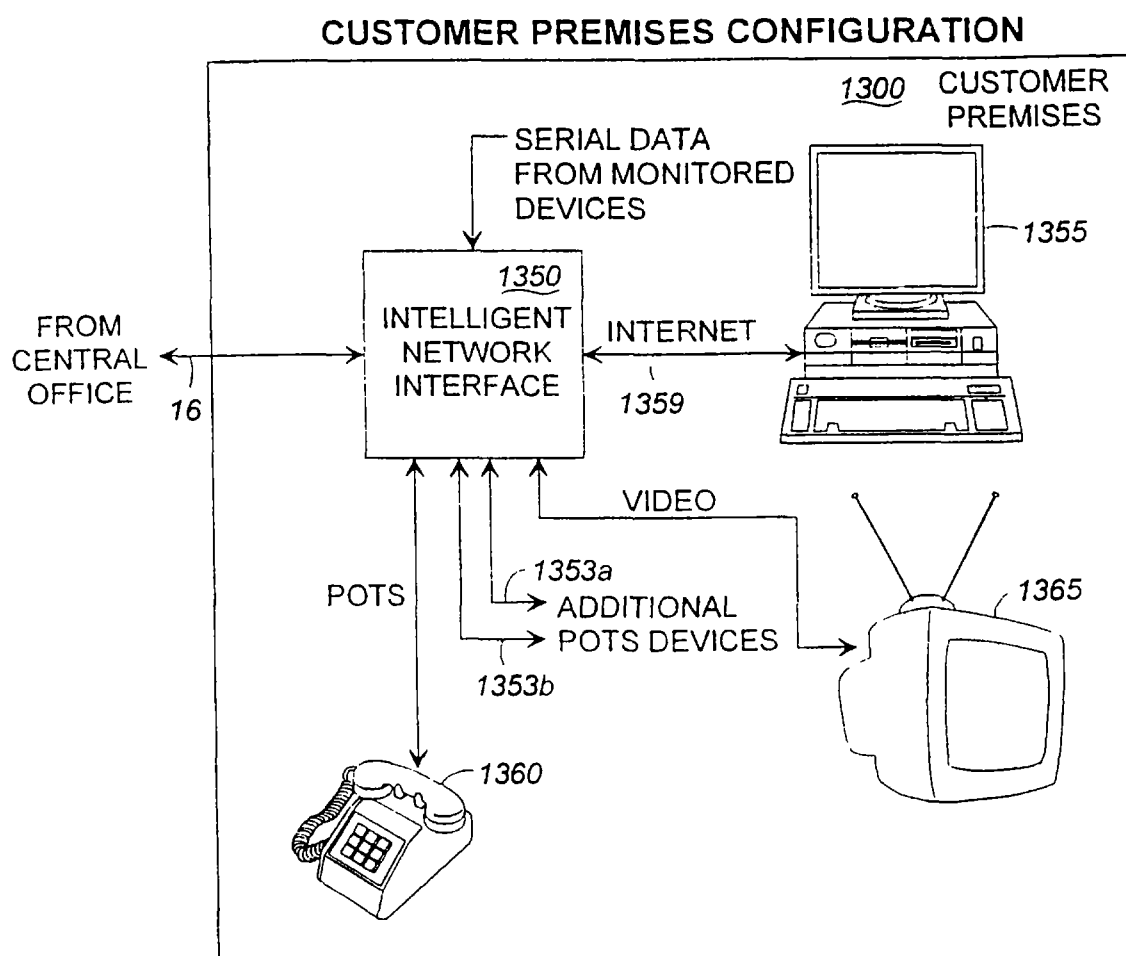


FIG. 15

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**FIG. 16**

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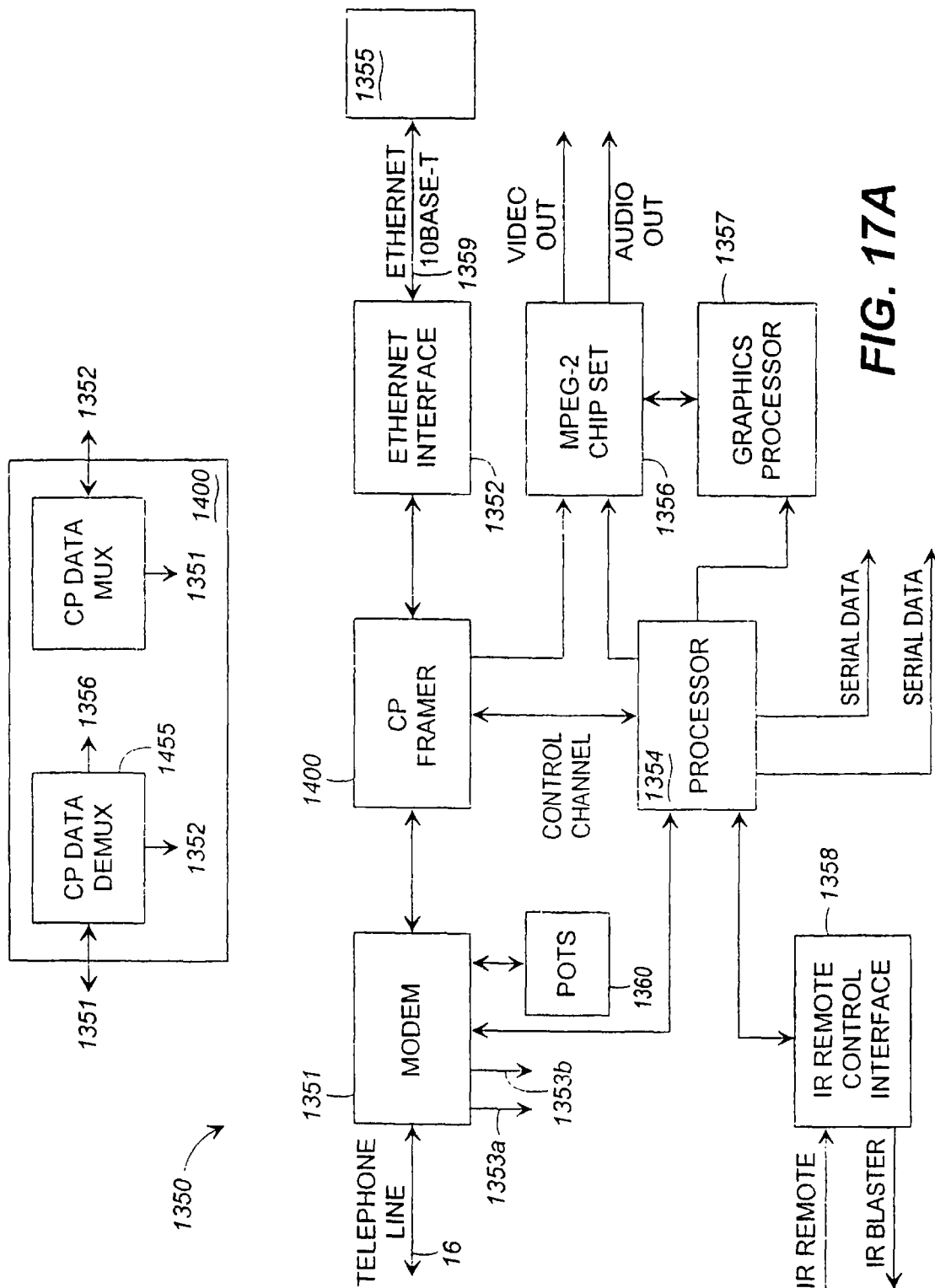


FIG. 17A

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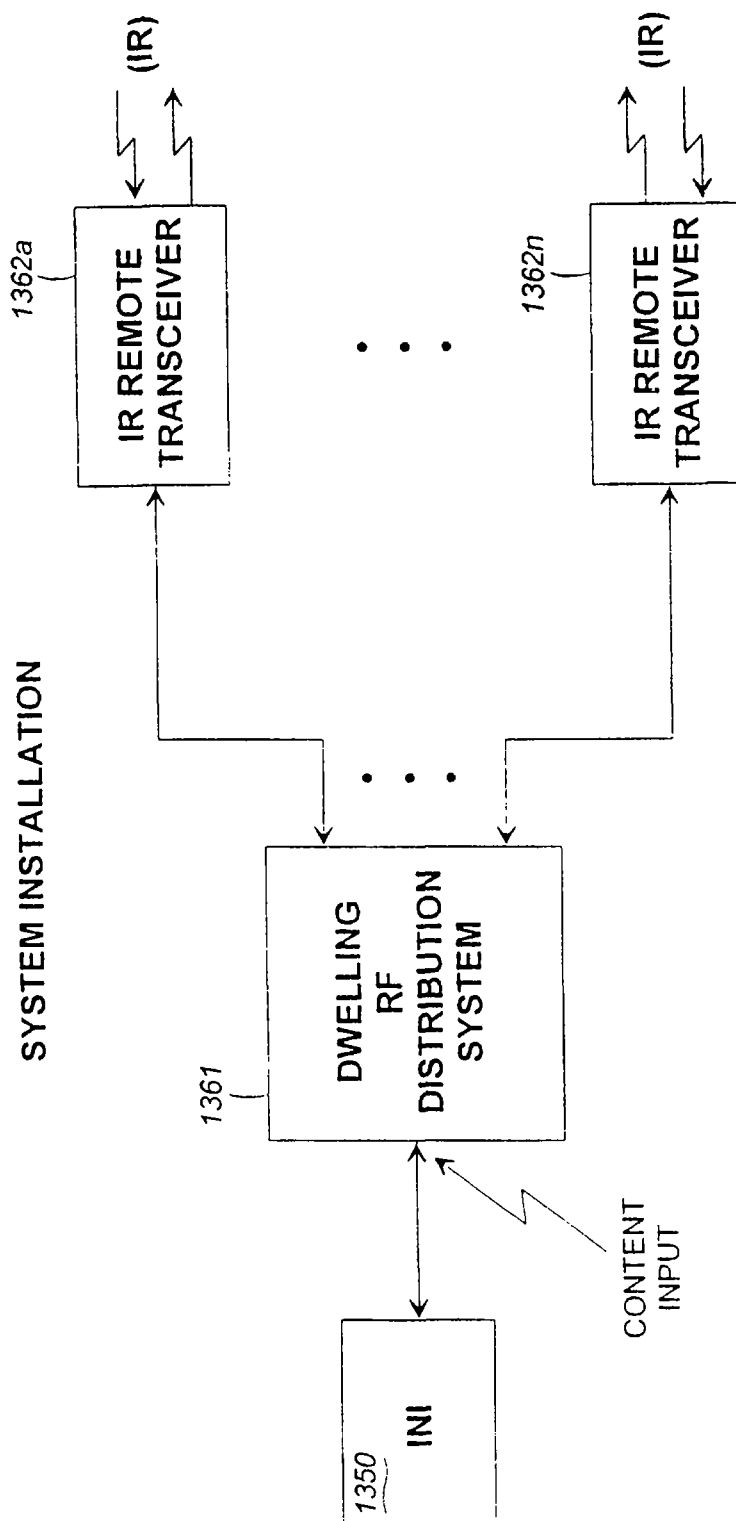
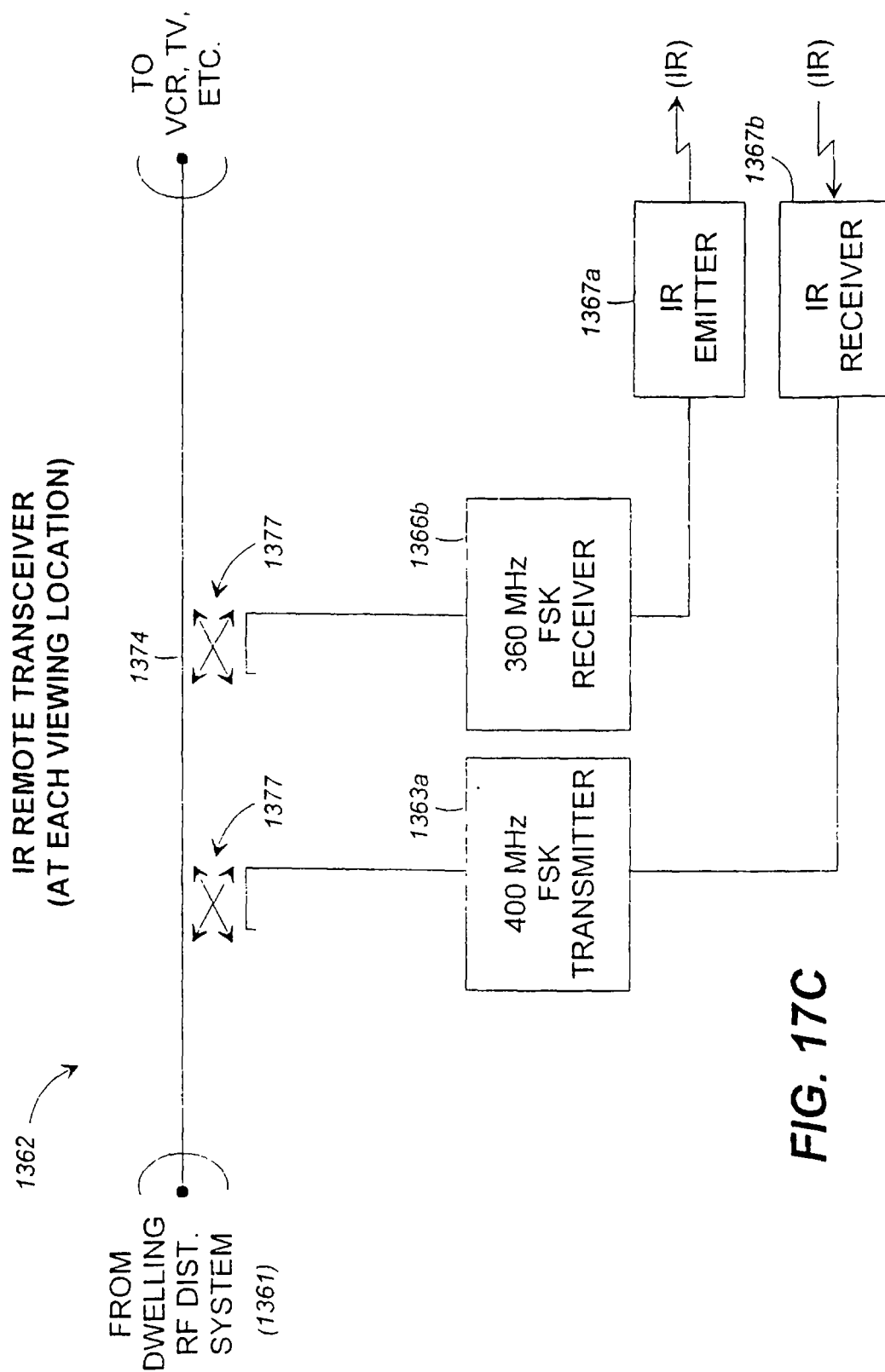


FIG. 17B

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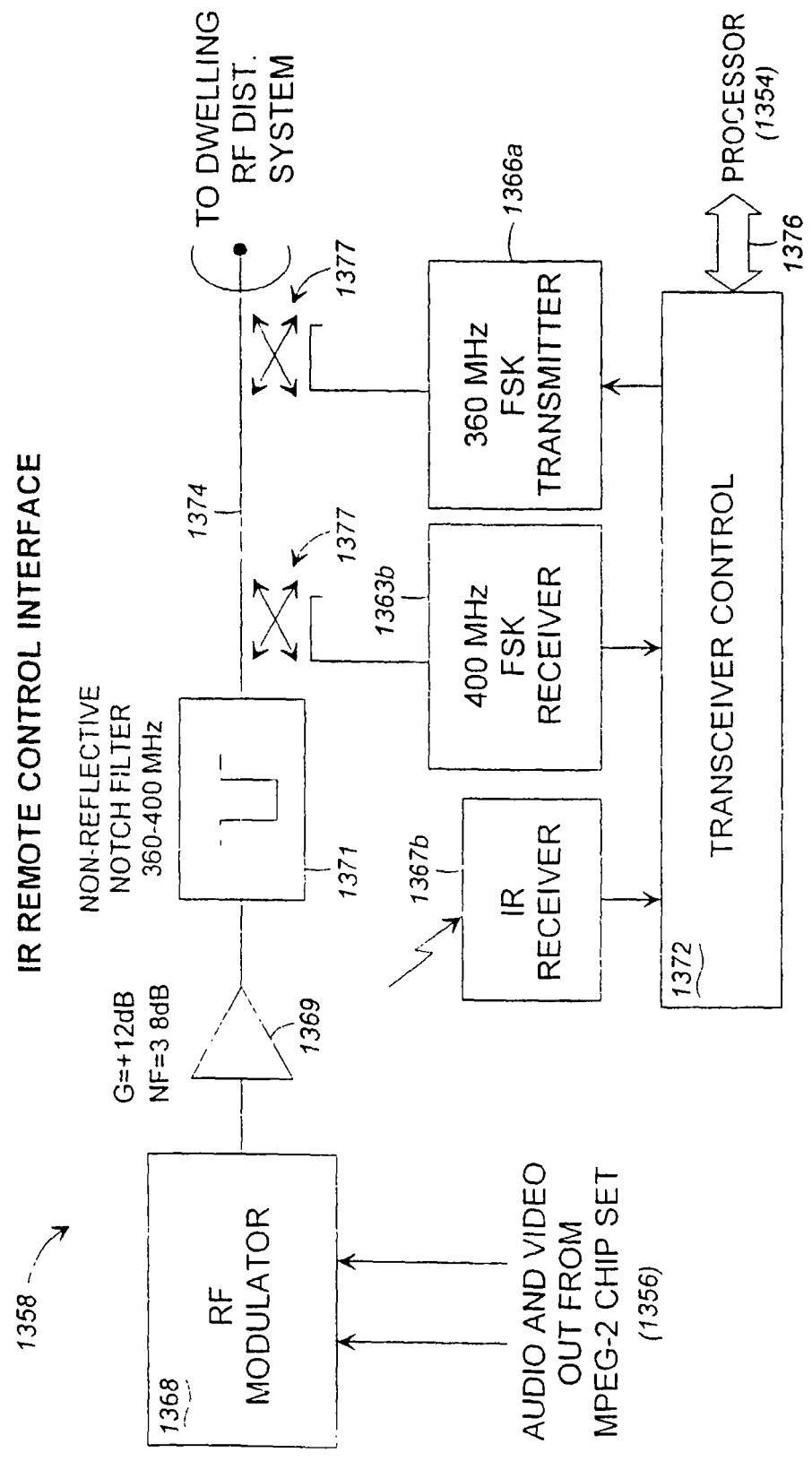
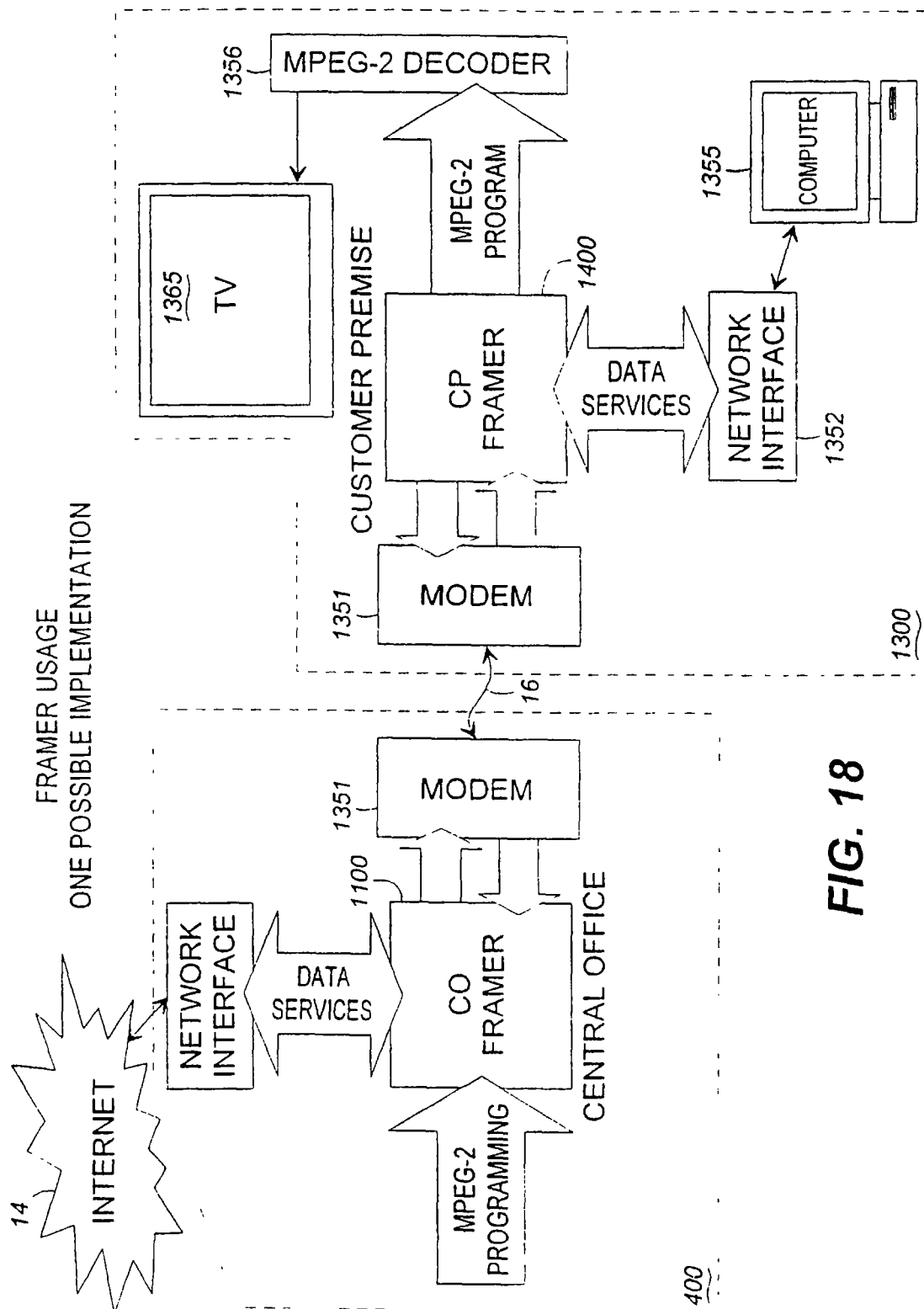
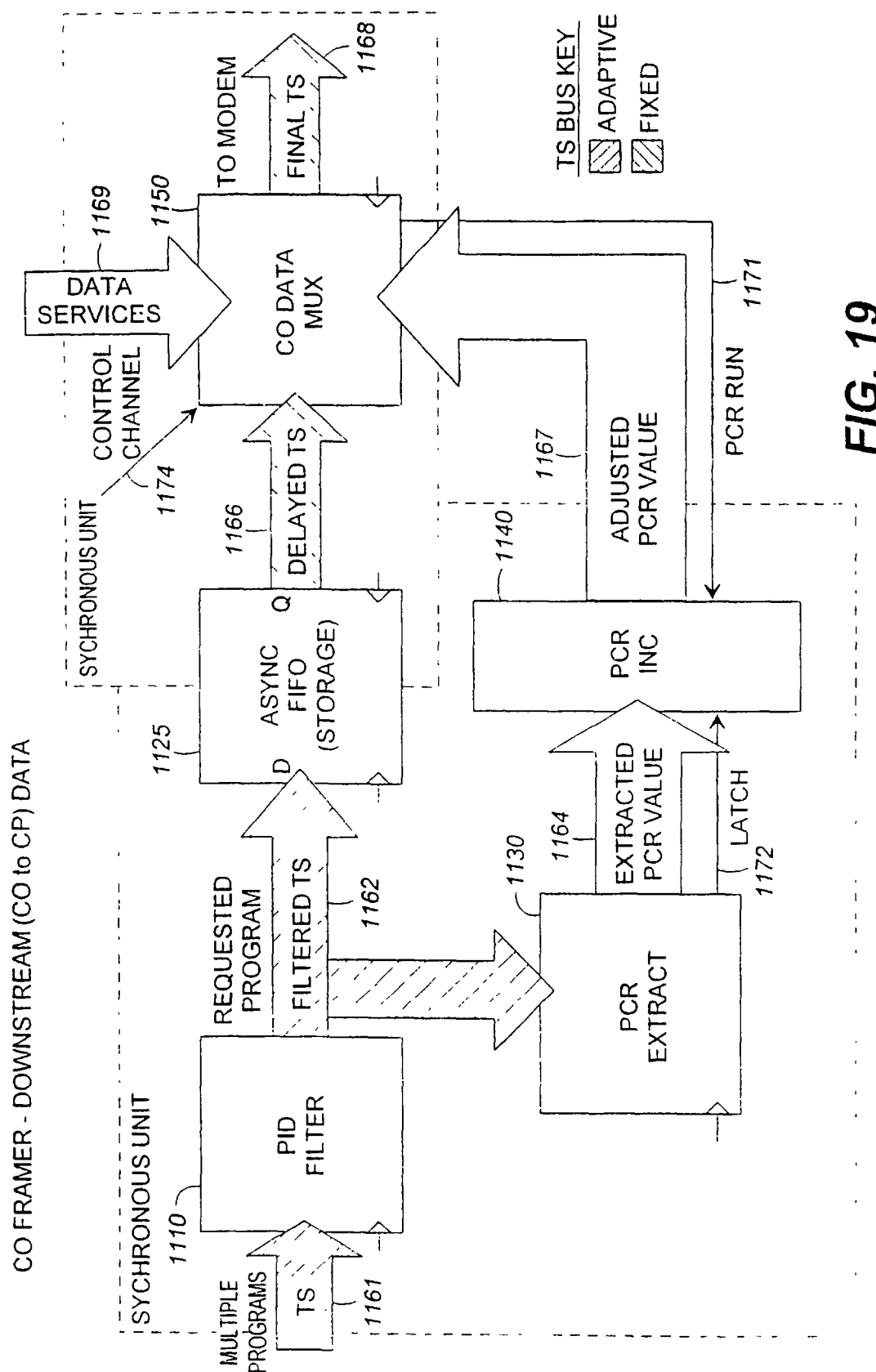


FIG. 17D

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'ADAPTIVE RATE' TRANSPORT STREAM BUS
CONTENT DATA RATE IS ADAPTIVE; OVERALL DATA RATE IS FIXED

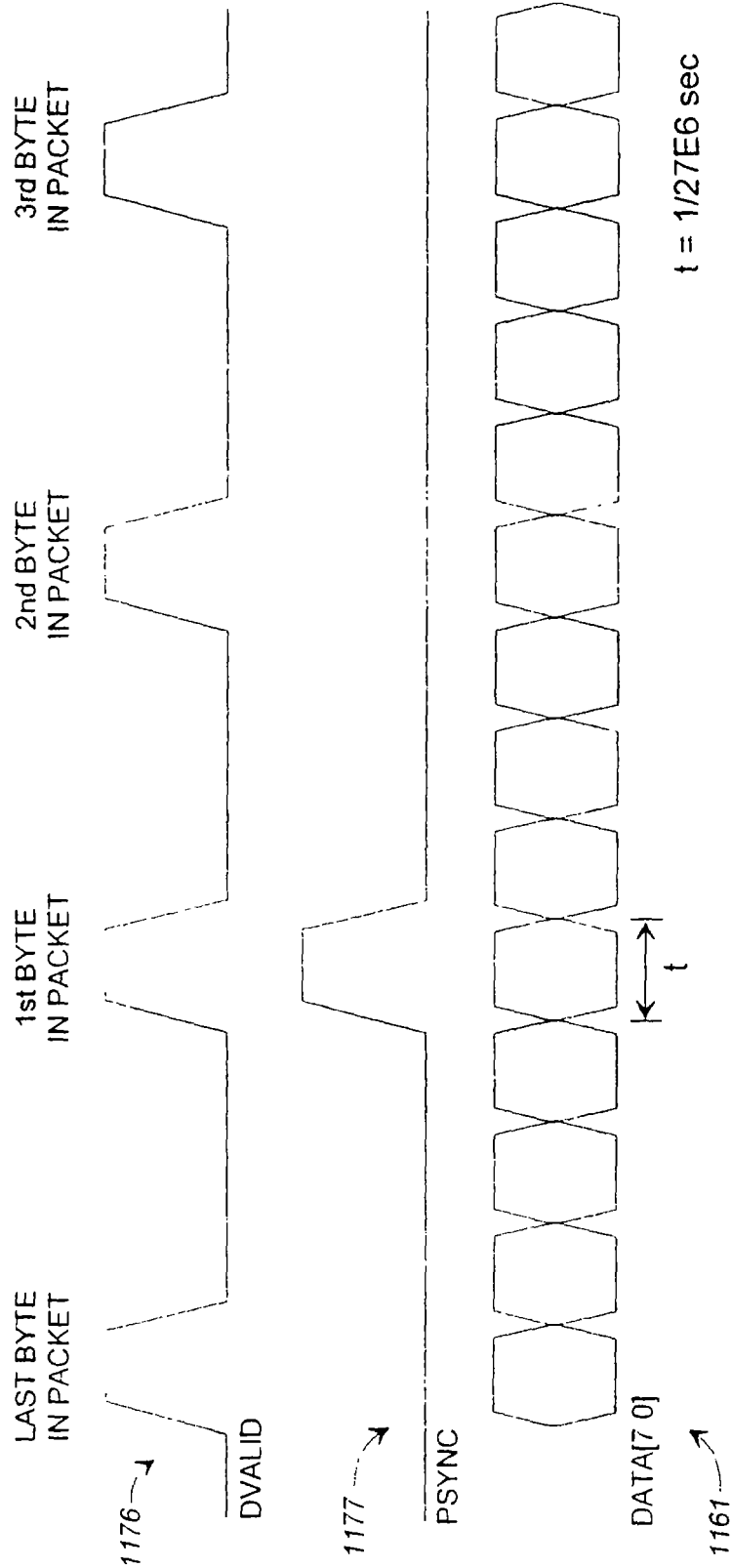


FIG. 20A

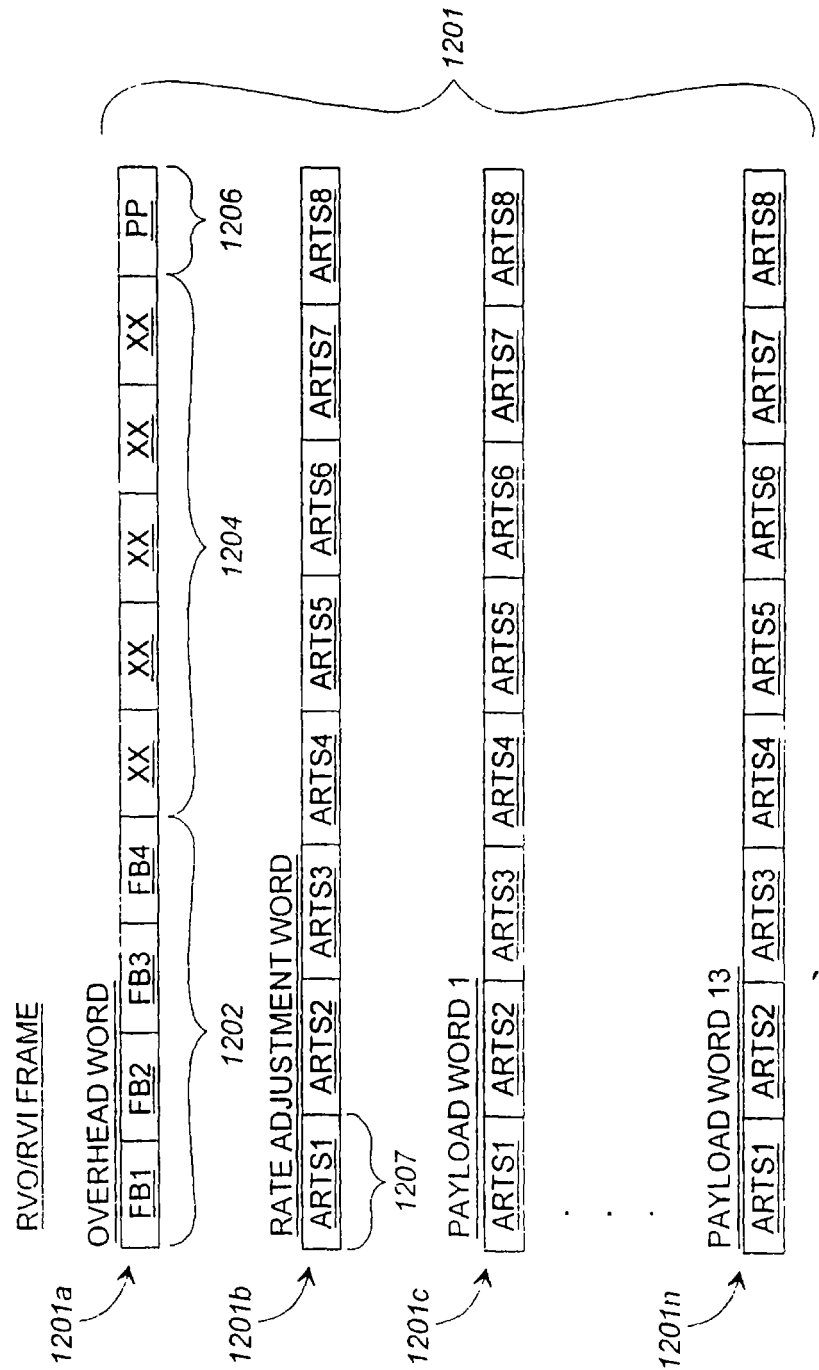
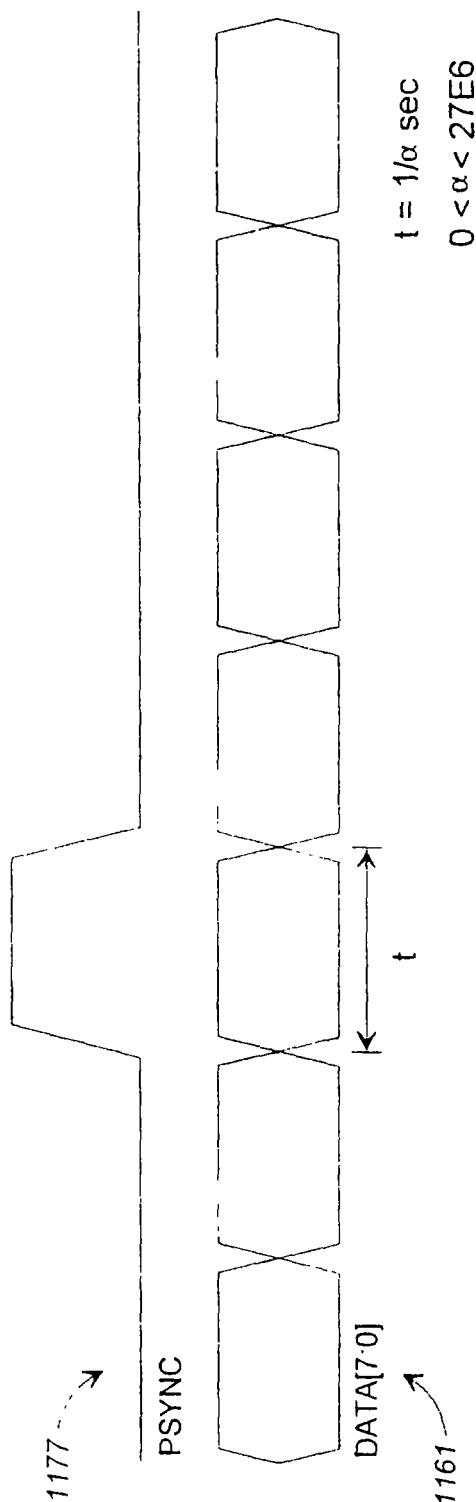


FIG. 20B

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'FIXED RATE' TRANSPORT STREAM BUS
CONTENT DATA RATE IS OVERALL DATA RATE; BOTH ARE FIXED

LAST BYTE IN PACKET 1st BYTE IN PACKET 2nd BYTE IN PACKET 3rd BYTE IN PACKET

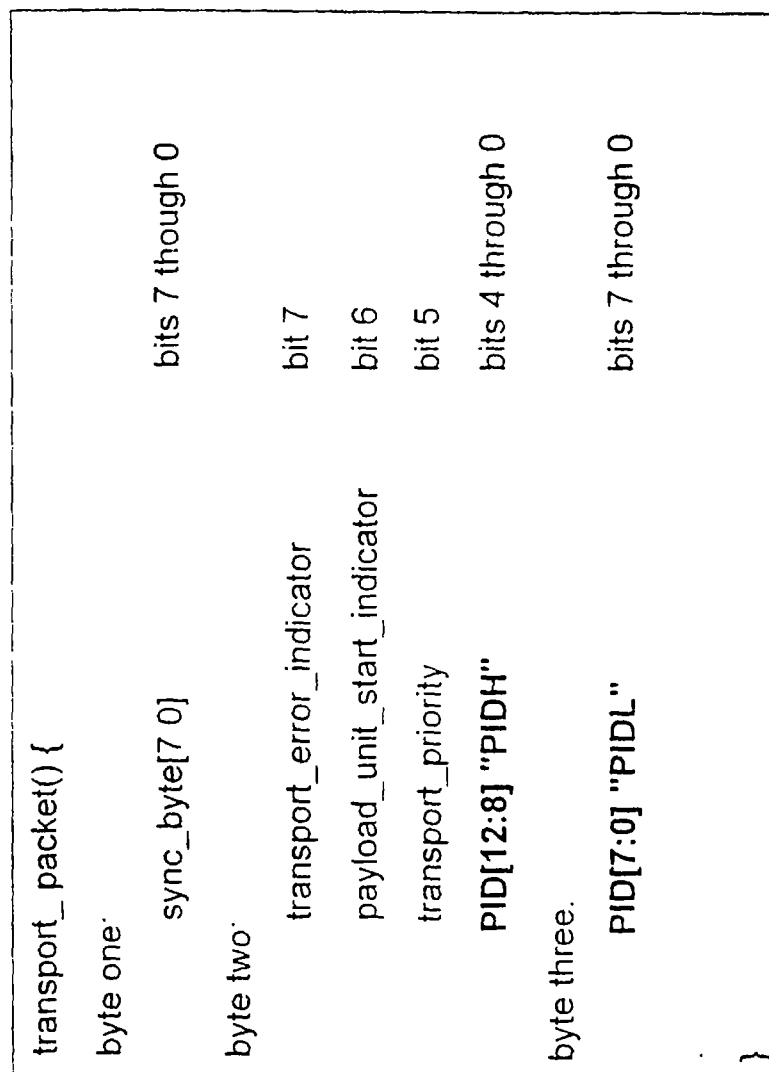


NOTE THE PSYNC SIGNAL IS ASSOCIATED WITH THE DATA ONLY AS AN AID IN DETECTION OF TRANSPORT PACKETS. IT IS DISCARDED WHEN THE DATA IS SENT FROM THE FRAMER TO A MODEM, AND IS REGENERATED WHEN DATA IS RECEIVED FROM A MODEM BY THE FRAMER

FIG. 21

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TRANSPORT STREAM PACKET DEFINITION

PID FILTER USES **BOLD** VALUES TO DETERMINE WHICH PACKETS TO PASS**FIG. 22**

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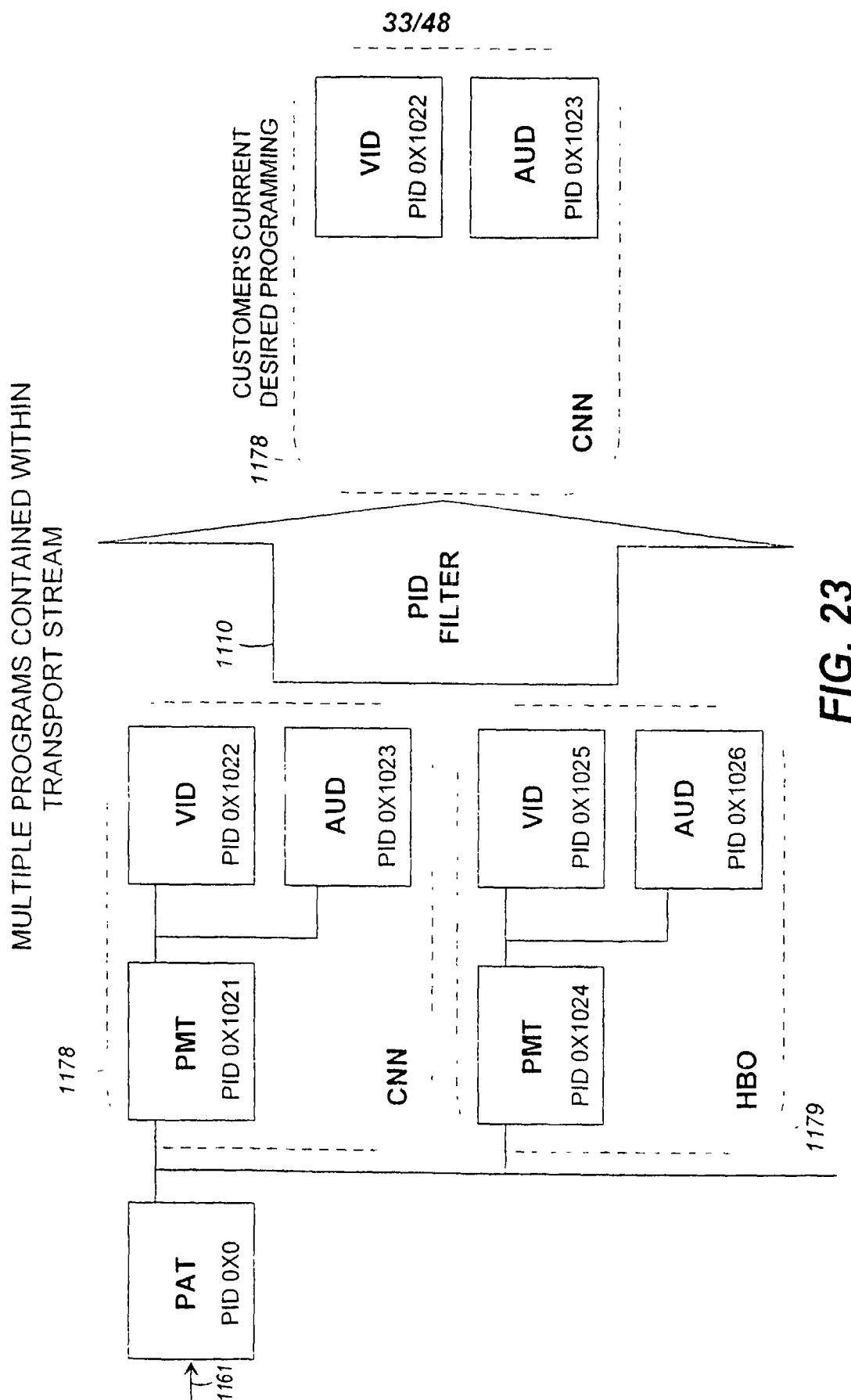


FIG. 23

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CO FRAMER - PID FILTER
ONE POSSIBLE IMPLEMENTATION

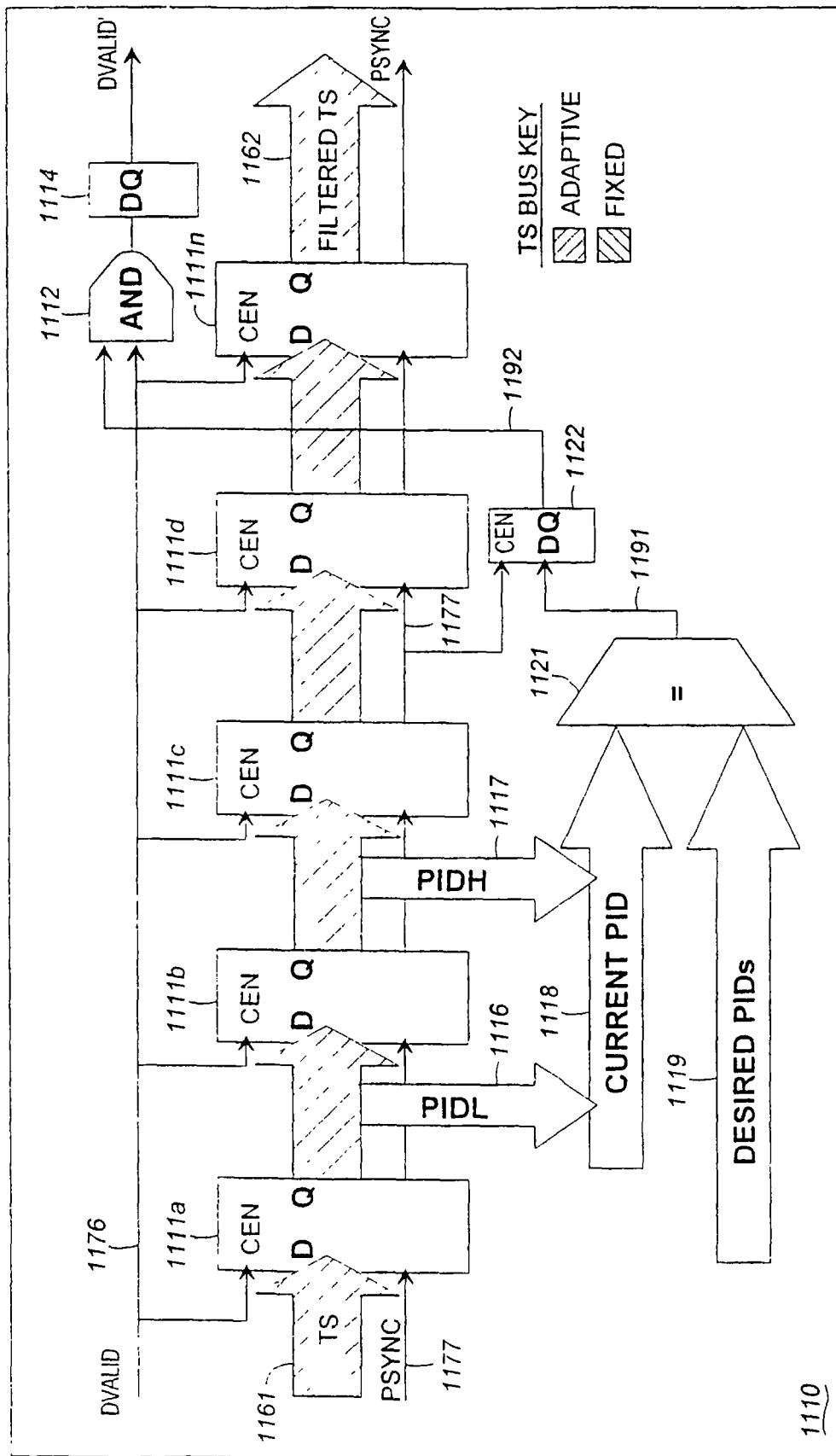


FIG. 24A

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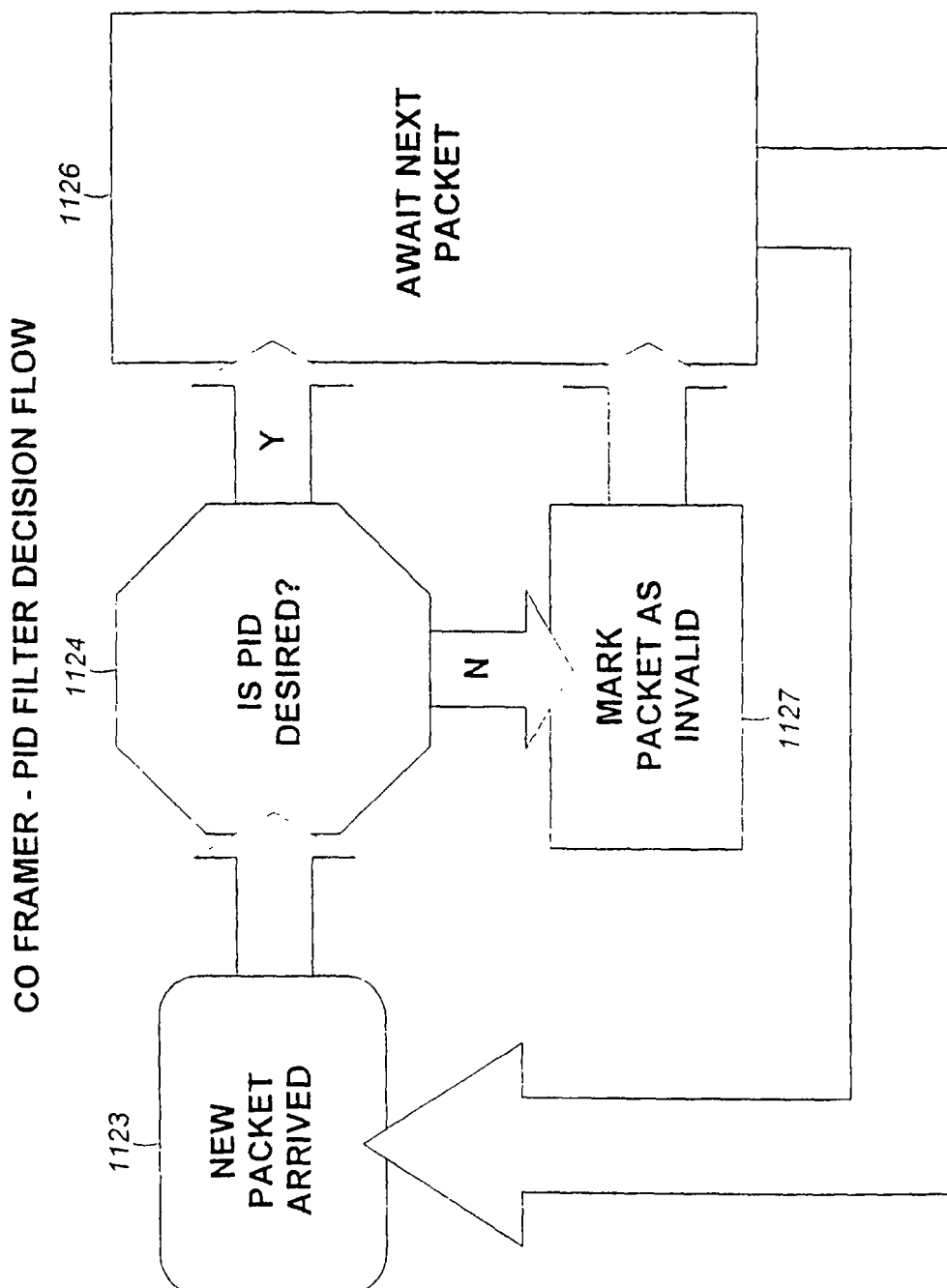


FIG. 24B

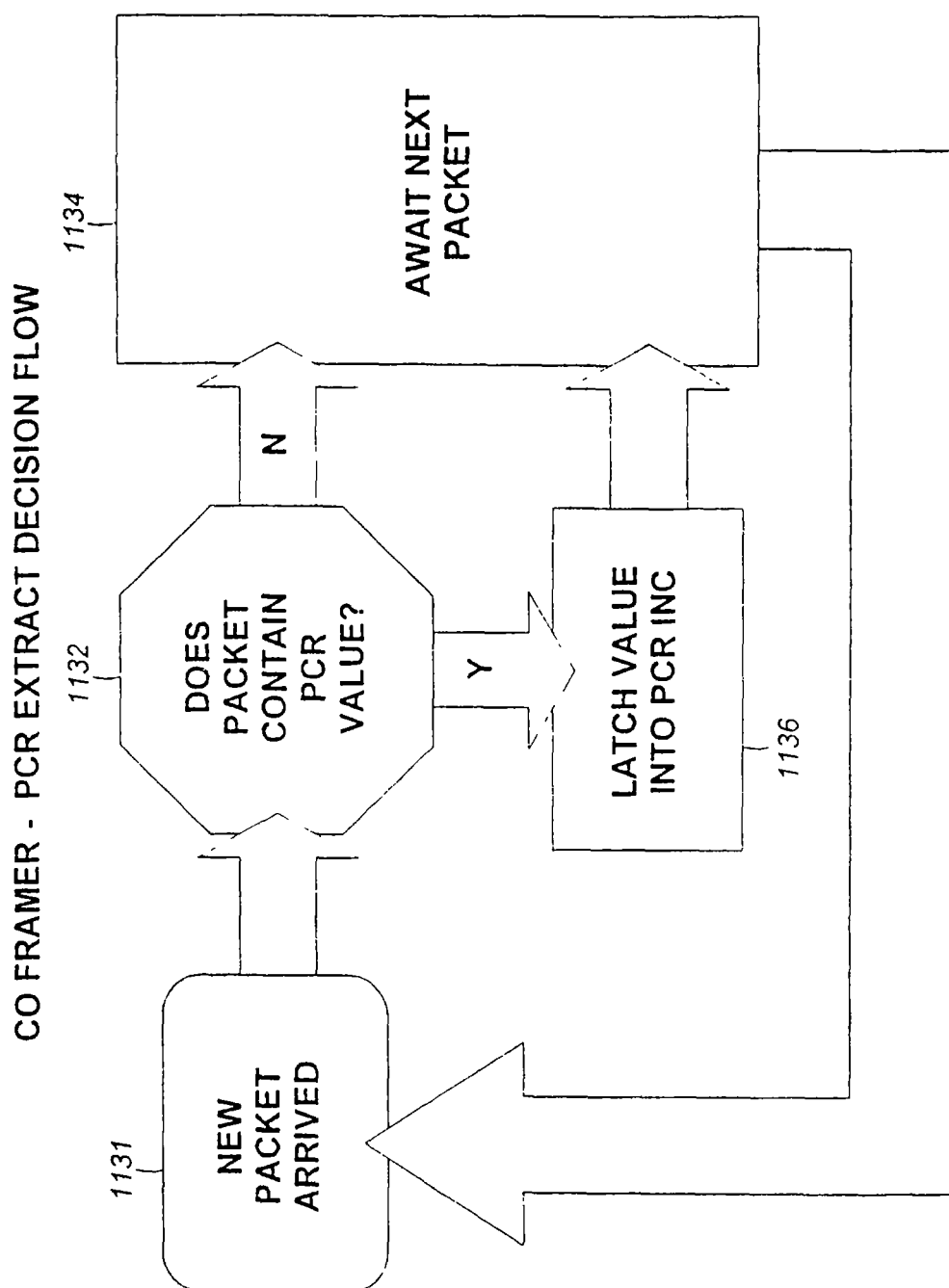


FIG. 25

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CO FRAMER - PCR INCREMENTOR

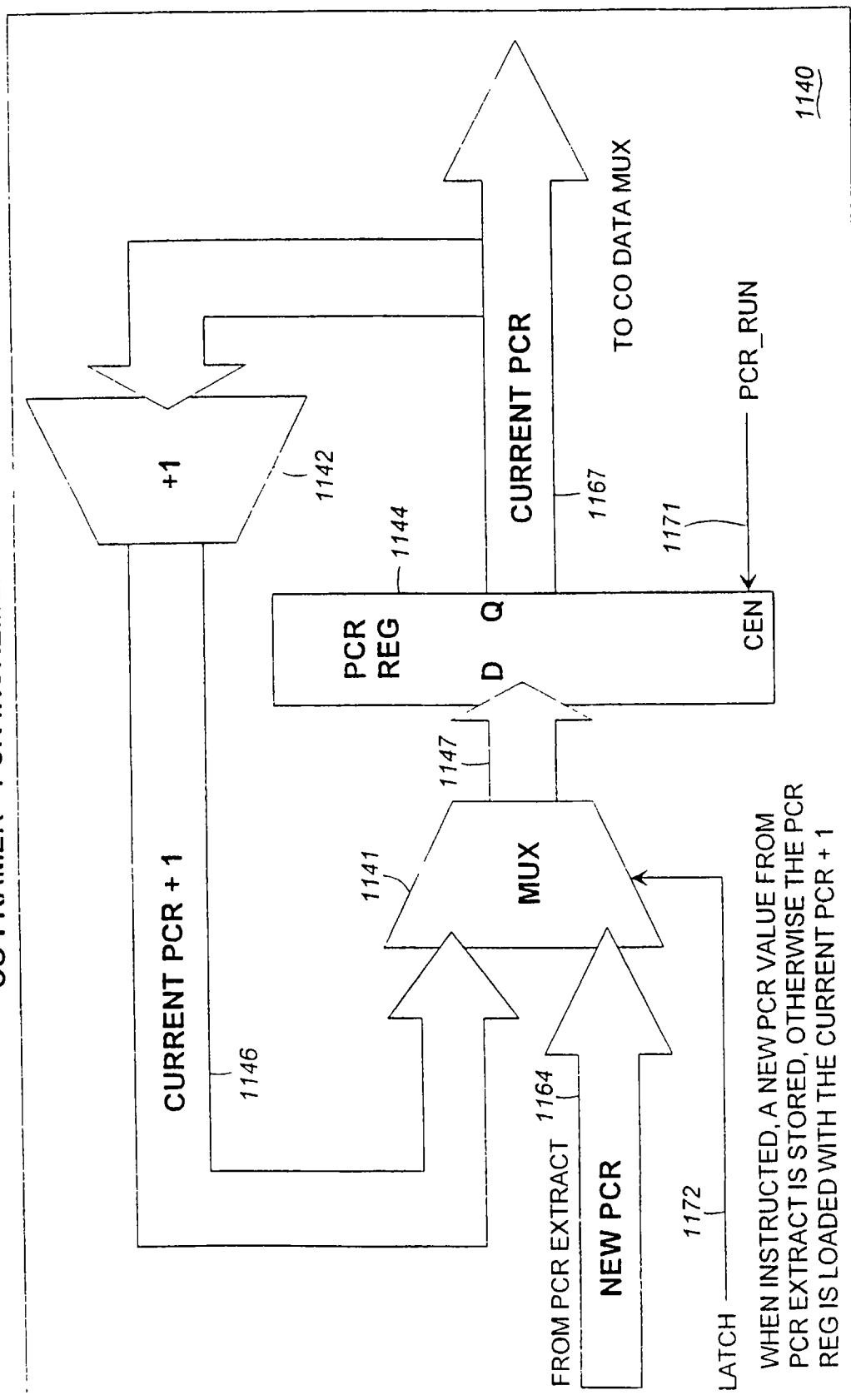


FIG. 26

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CO DATA MUX BLACK DIAGRAM

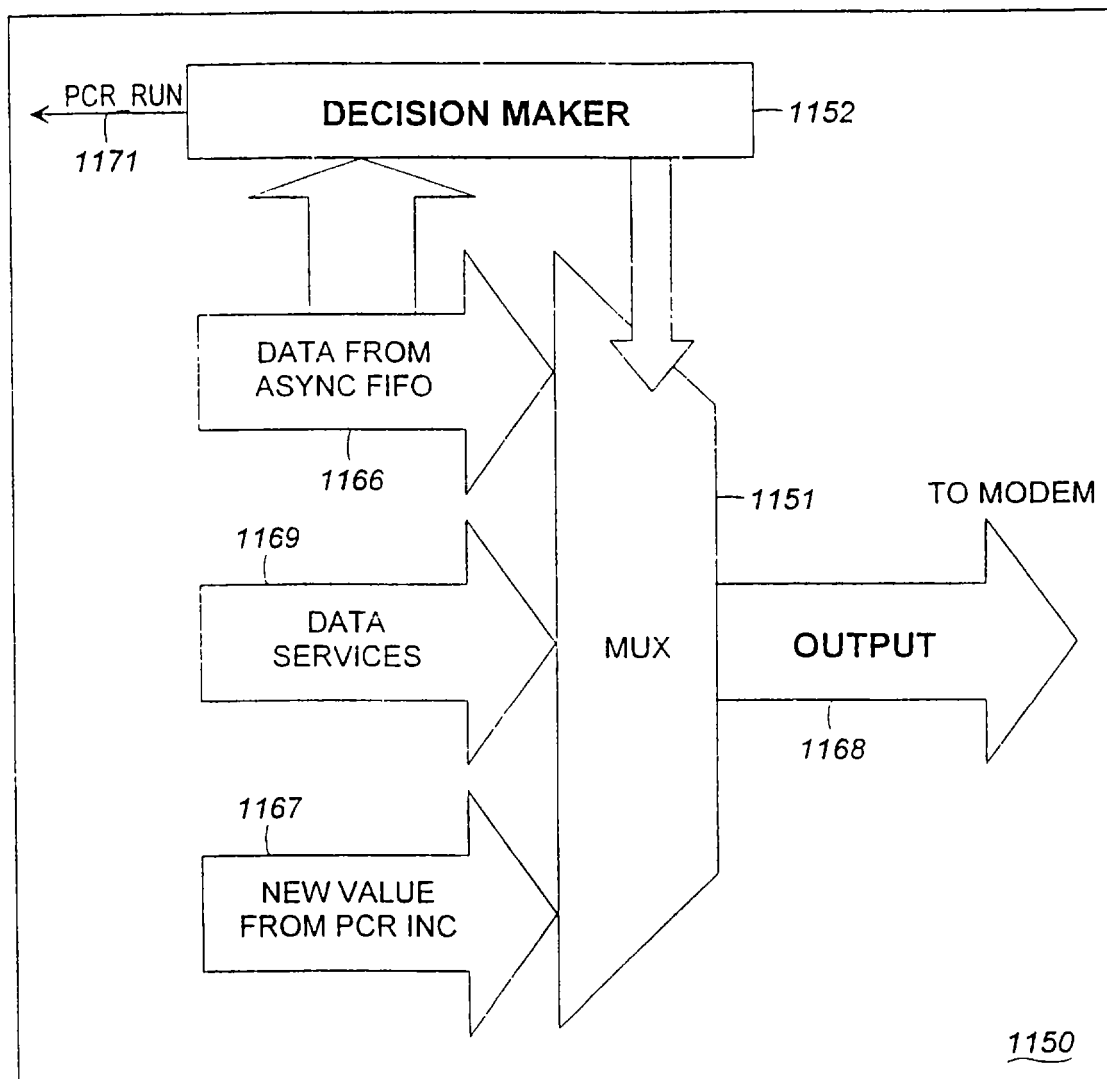
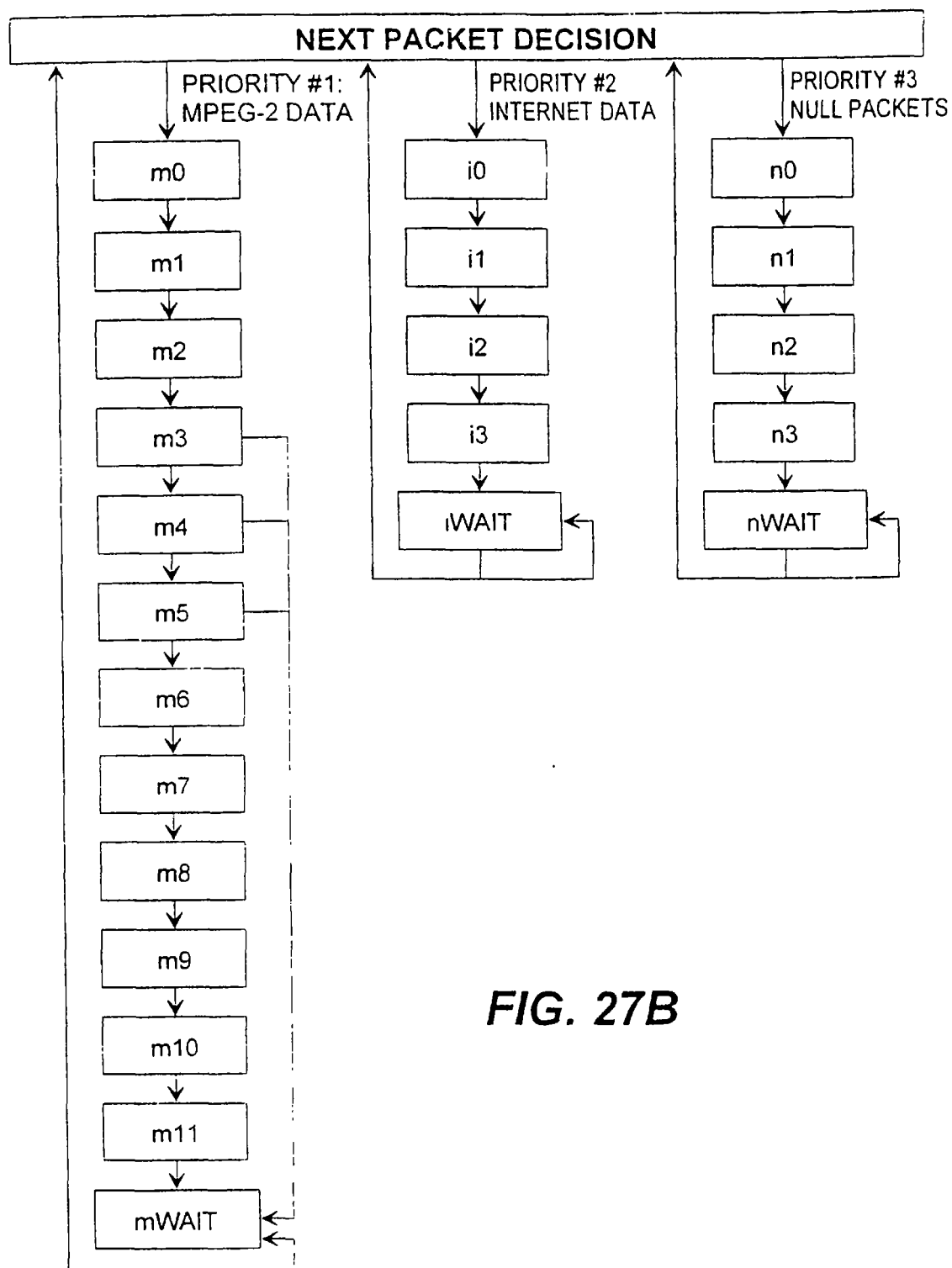


FIG. 27A

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**FIG. 27B**

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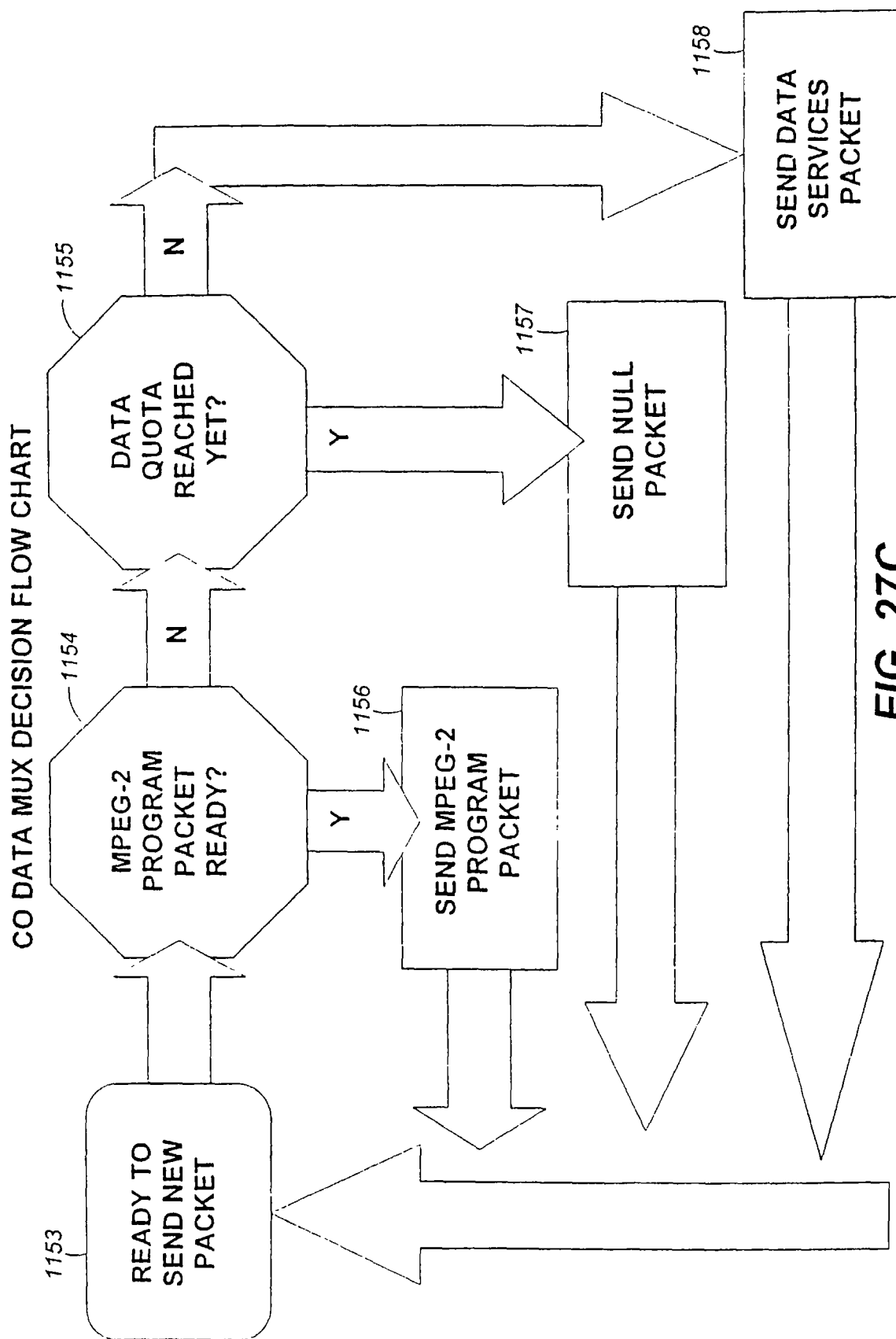
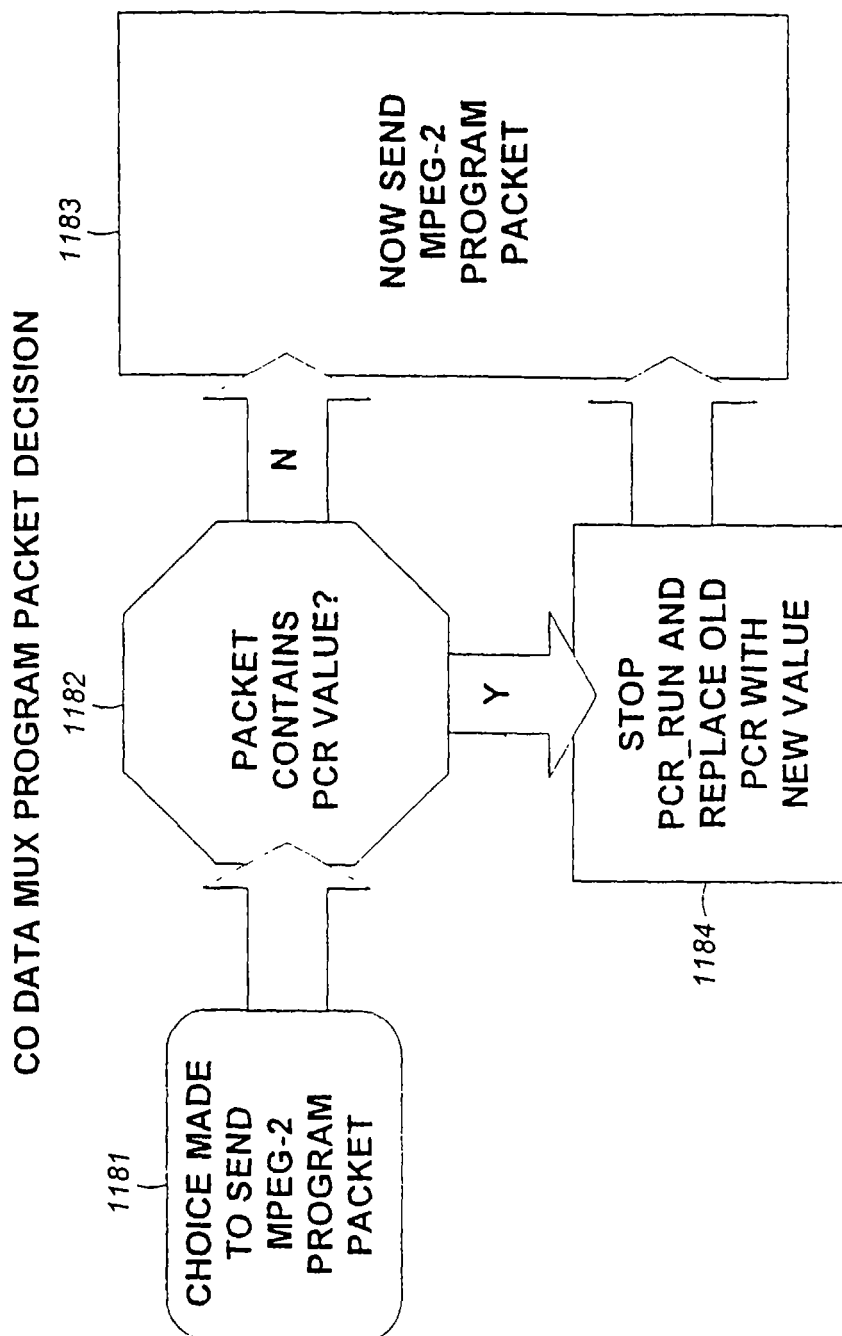


FIG. 27C

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**FIG. 27D**

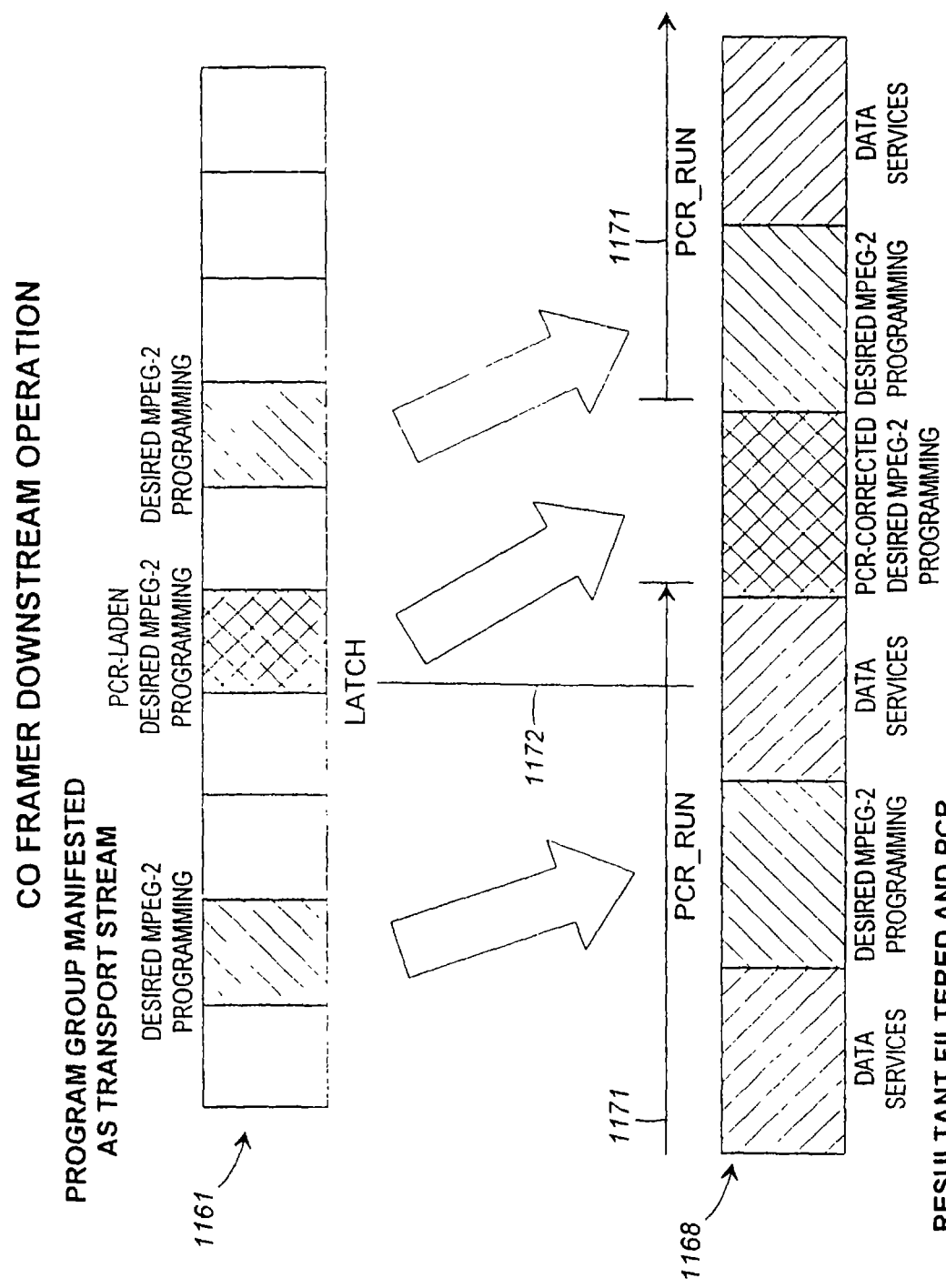


FIG. 28

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CO FRAMER- UPSTREAM (CP TO CO) DATA

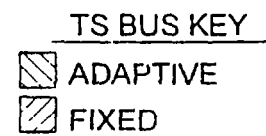
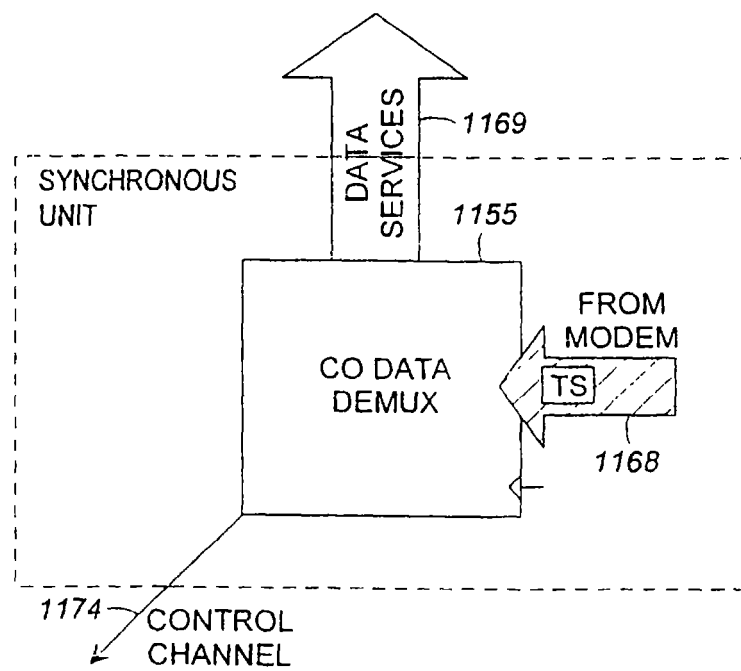


FIG. 29

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CP FRAMER- DOWNSTREAM (CO TO CP) DATA

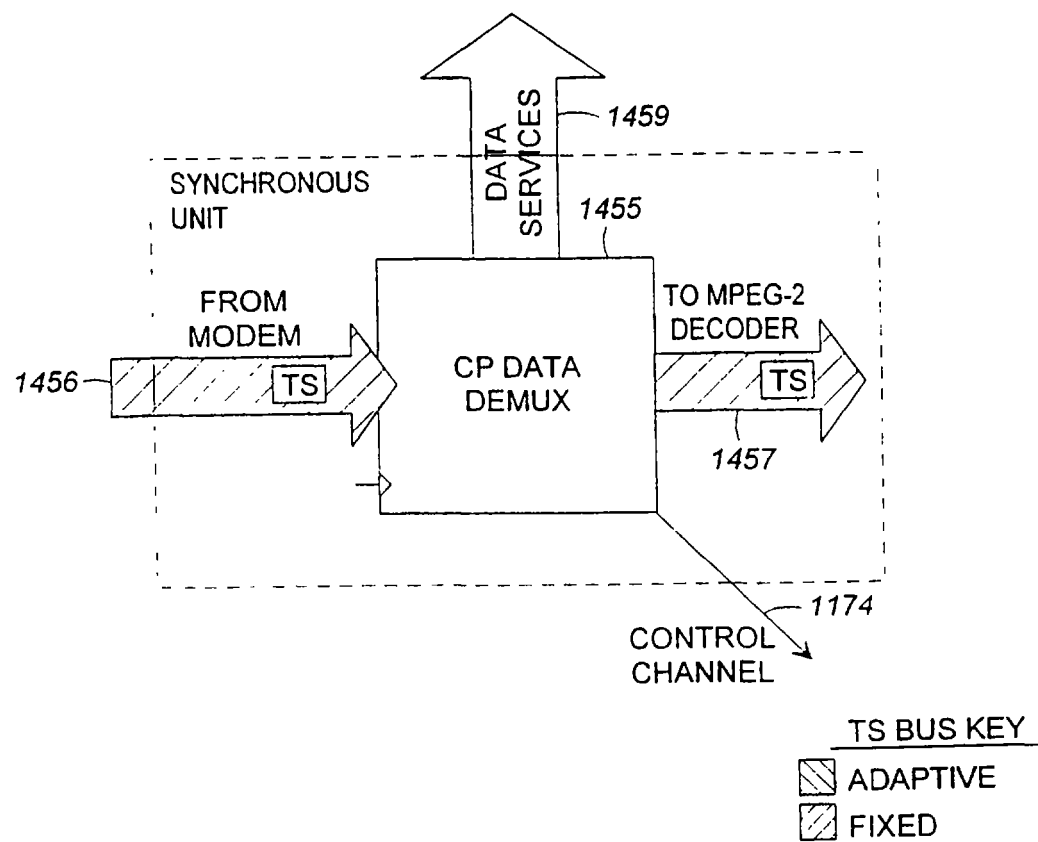
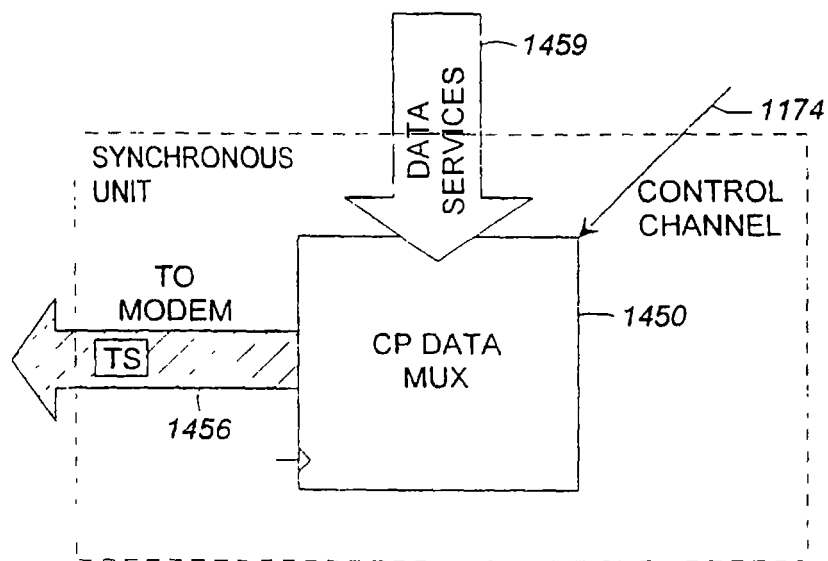


FIG. 30

CP FRAMER- UPSTREAM (CP TO CO) DATA



TS BUS KEY
 ADAPTIVE
 FIXED

FIG. 31

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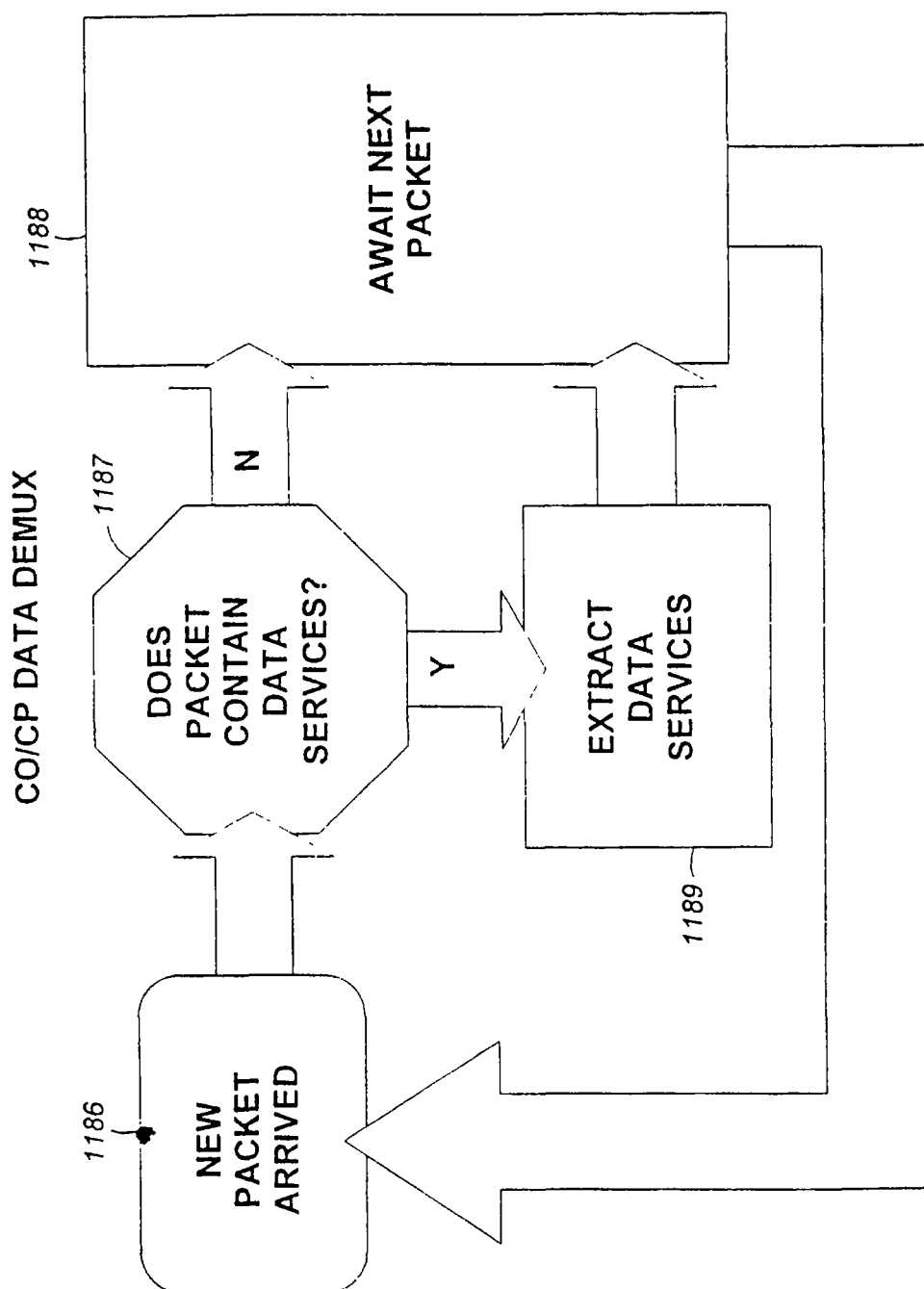


FIG. 32

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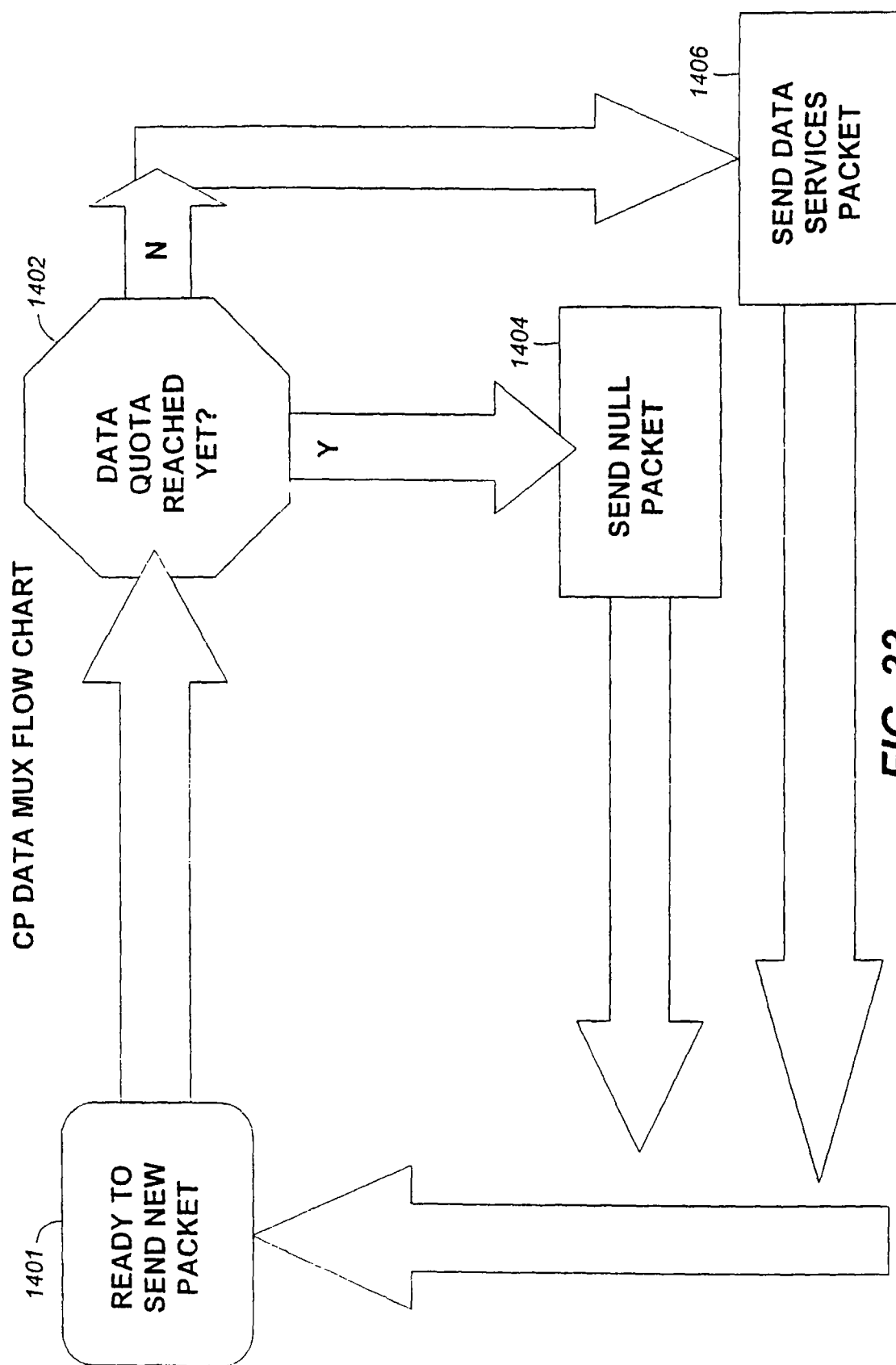


FIG. 33

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ADDITIONAL APPLICATION: ADDING A NEW
PROGRAM TO AN EXISTING TRANSPORT STREAM

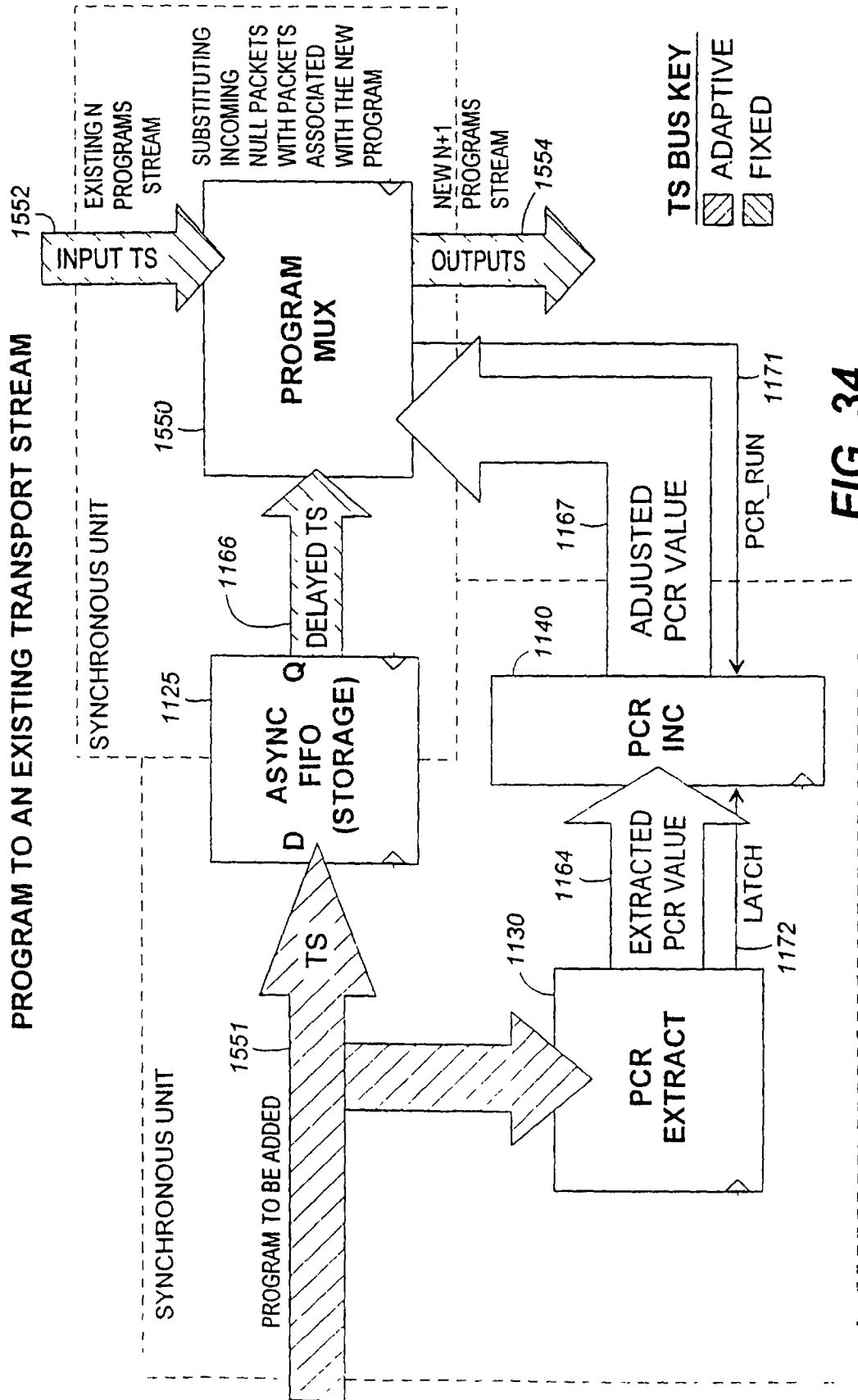


FIG. 34