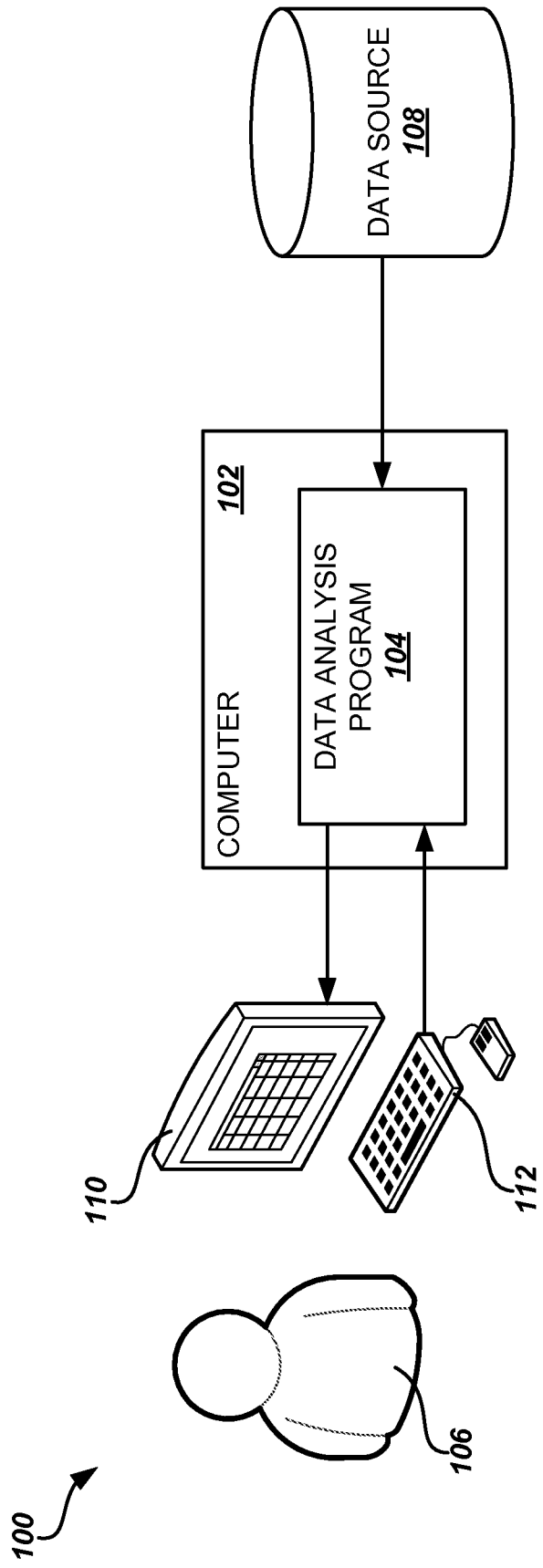

DATA SOURCE
108
COMPUTER
102
DATA ANALYSIS
PROGRAM
104
110
112
106
100

Figure 1

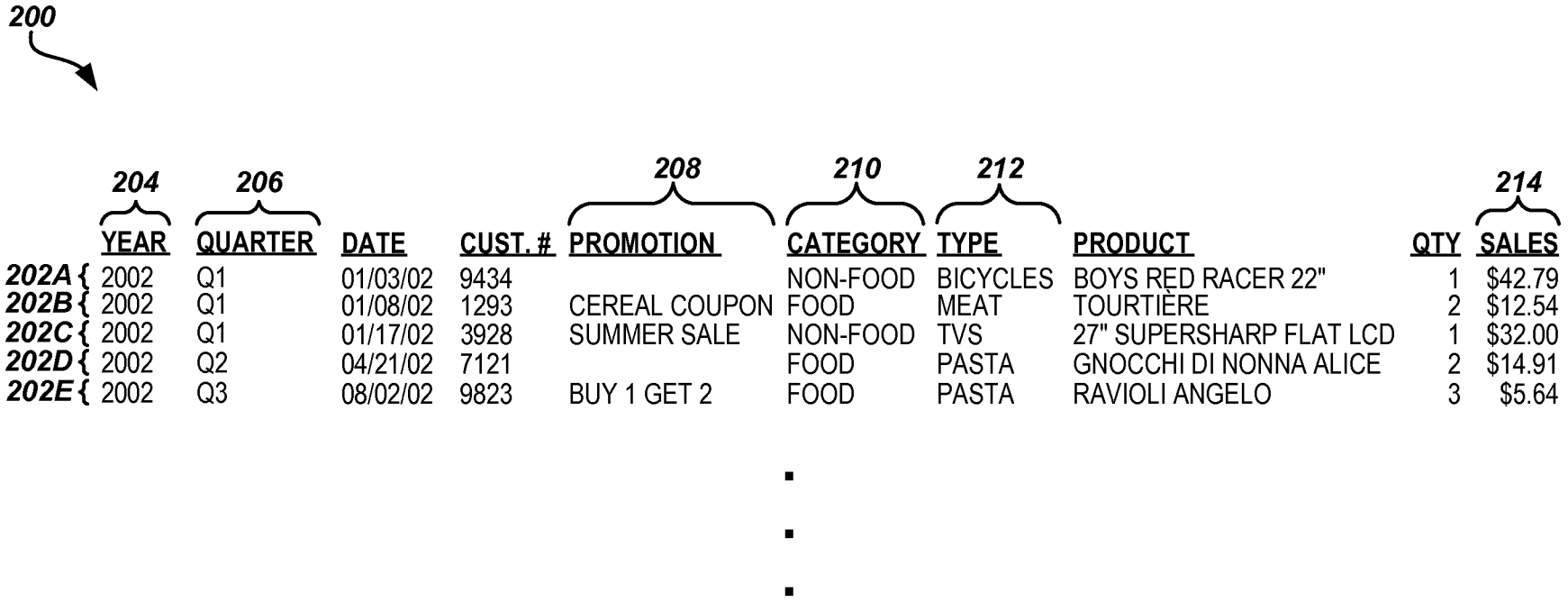

200
204
206
208
210
212
214
YEAR
QUARTER
DATE
CUST. #
PROMOTION
CATEGORY
TYPE
PRODUCT
QTY
SALES
202A { 2002 Q1 01/03/02 9434 NON-FOOD BICYCLES BOYS RED RACER 22" 1 $42.79
202B { 2002 Q1 01/08/02 1293 CEREAL COUPON FOOD MEAT TOURTIÈRE 2 $12.54
202C { 2002 Q1 01/17/02 3928 SUMMER SALE NON-FOOD TVS 27" SUPERSHARP FLAT LCD 1 $32.00
202D { 2002 Q2 04/21/02 7121 FOOD PASTA GNOCCHI DI NONNA ALICE 2 $14.91
202E { 2002 Q3 08/02/02 9823 BUY 1 GET 2 FOOD PASTA RAVIOLI ANGELO 3 $5.64

Figure 2

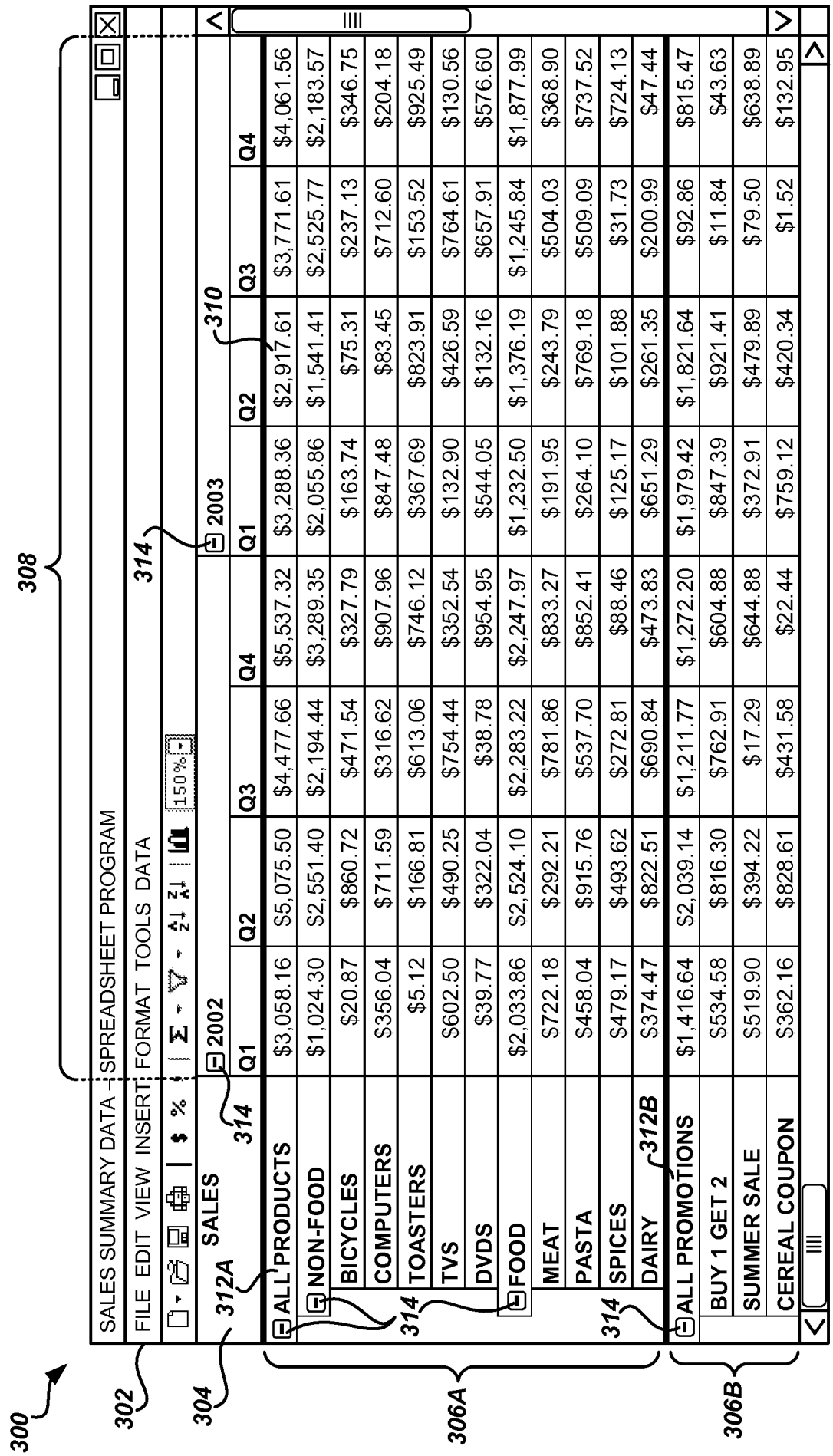

300
302
304
306A
306B
308
310
312A
312B
314
SALES SUMMARY DATA - SPREADSHEET PROGRAM
FILE EDIT VIEW INSERT FORMAT TOOLS DATA
150%
SALES
2002
2003
Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
ALL PRODUCTS $3,058.16 $5,075.50 $4,477.66 $5,537.32 $3,288.36 $2,917.61 $3,771.61 $4,061.56
NON-FOOD $1,024.30 $2,551.40 $2,194.44 $3,289.35 $2,055.86 $1,541.41 $2,525.77 $2,183.57
BICYCLES $20.87 $860.72 $471.54 $327.79 $163.74 $75.31 $237.13 $346.75
COMPUTERS $356.04 $711.59 $316.62 $907.96 $847.48 $83.45 $712.60 $204.18
TOASTERS $5.12 $166.81 $613.06 $746.12 $367.69 $823.91 $153.52 $925.49
TVS $602.50 $490.25 $754.44 $352.54 $132.90 $426.59 $764.61 $130.56
DVDS $39.77 $322.04 $38.78 $954.95 $544.05 $132.16 $657.91 $576.60
FOOD $2,033.86 $2,524.10 $2,283.22 $2,247.97 $1,232.50 $1,376.19 $1,245.84 $1,877.99
MEAT $722.18 $292.21 $781.86 $833.27 $191.95 $243.79 $504.03 $368.90
PASTA $458.04 $915.76 $537.70 $852.41 $264.10 $769.18 $509.09 $737.52
SPICES $479.17 $493.62 $272.81 $88.46 $125.17 $101.88 $31.73 $724.13
DAIRY $374.47 $822.51 $690.84 $473.83 $651.29 $261.35 $200.99 $47.44
ALL PROMOTIONS $1,416.64 $2,039.14 $1,211.77 $1,272.20 $1,979.42 $1,821.64 $92.86 $815.47
BUY 1 GET 2 $534.58 $816.30 $762.91 $604.88 $847.39 $921.41 $11.84 $43.63
SUMMER SALE $519.90 $394.22 $17.29 $644.88 $372.91 $479.89 $79.50 $638.89
CEREAL COUPON $362.16 $828.61 $431.58 $22.44 $759.12 $420.34 $1.52 $132.95

Figure 3A

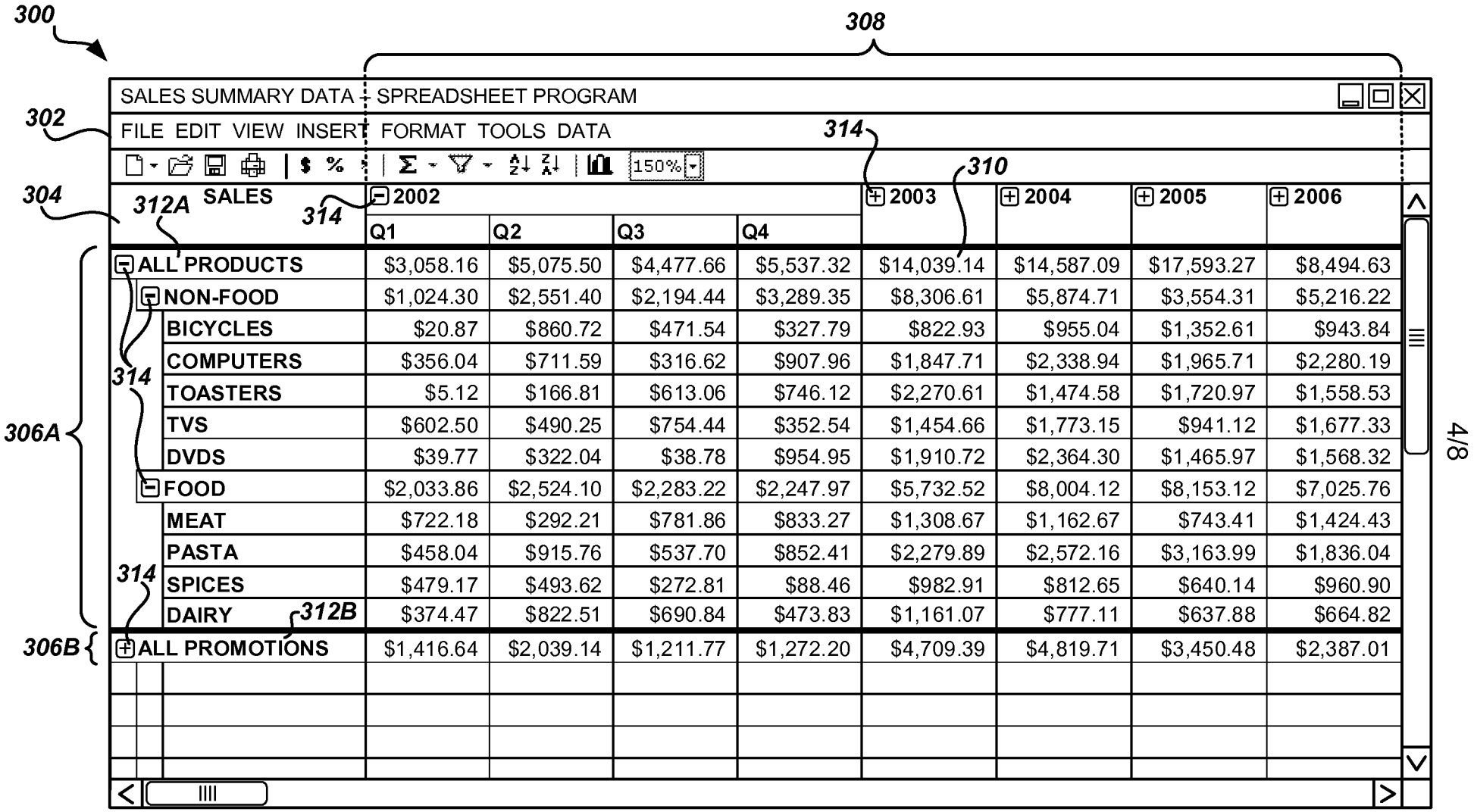

300
308
SALES SUMMARY DATA - SPREADSHEET PROGRAM
302
FILE EDIT VIEW INSERT FORMAT TOOLS DATA
314
310
304
312A
SALES
314
2002
2003
2004
2005
2006
Q1
Q2
Q3
Q4
ALL PRODUCTS $3,058.16 $5,075.50 $4,477.66 $5,537.32 $14,039.14 $14,587.09 $17,593.27 $8,494.63
NON-FOOD $1,024.30 $2,551.40 $2,194.44 $3,289.35 $8,306.61 $5,874.71 $3,554.31 $5,216.22
BICYCLES $20.87 $860.72 $471.54 $327.79 $822.93 $955.04 $1,352.61 $943.84
COMPUTERS $356.04 $711.59 $316.62 $907.96 $1,847.71 $2,338.94 $1,965.71 $2,280.19
314
TOASTERS $5.12 $166.81 $613.06 $746.12 $2,270.61 $1,474.58 $1,720.97 $1,558.53
TVS $602.50 $490.25 $754.44 $352.54 $1,454.66 $1,773.15 $941.12 $1,677.33
DVDS $39.77 $322.04 $38.78 $954.95 $1,910.72 $2,364.30 $1,465.97 $1,568.32
306A
FOOD $2,033.86 $2,524.10 $2,283.22 $2,247.97 $5,732.52 $8,004.12 $8,153.12 $7,025.76
MEAT $722.18 $292.21 $781.86 $833.27 $1,308.67 $1,162.67 $743.41 $1,424.43
PASTA $458.04 $915.76 $537.70 $852.41 $2,279.89 $2,572.16 $3,163.99 $1,836.04
314
SPICES $479.17 $493.62 $272.81 $88.46 $982.91 $812.65 $640.14 $960.90
DAIRY $374.47 $822.51 $690.84 $473.83 $1,161.07 $777.11 $637.88 $664.82
312B
306B
ALL PROMOTIONS $1,416.64 $2,039.14 $1,211.77 $1,272.20 $4,709.39 $4,819.71 $3,450.48 $2,387.01
4/8

Figure 3B

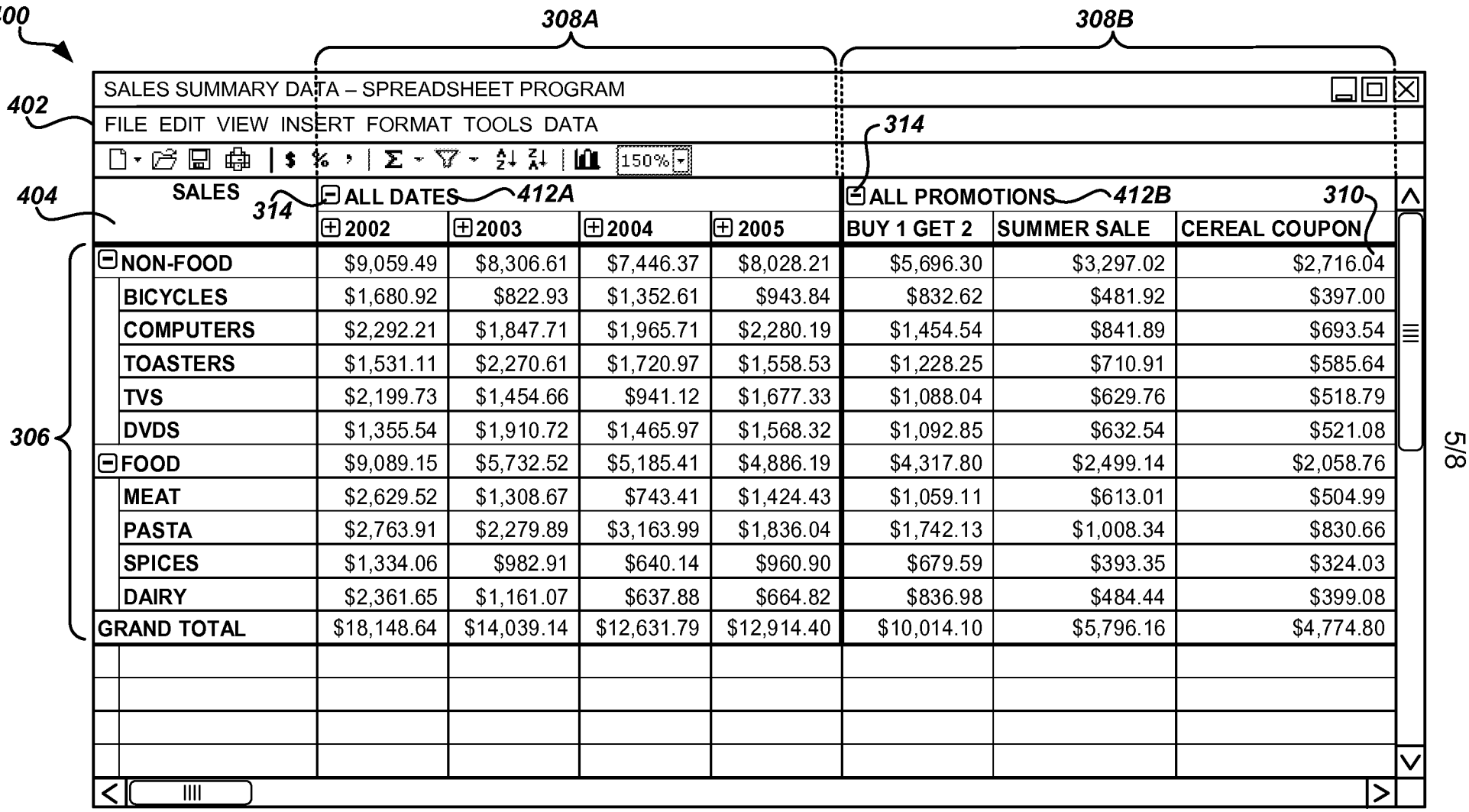

400
308A
308B
SALES SUMMARY DATA – SPREADSHEET PROGRAM
402
FILE EDIT VIEW INSERT FORMAT TOOLS DATA
314
150%
404
SALES
314
ALL DATES
412A
ALL PROMOTIONS
412B
310
2002
2003
2004
2005
BUY 1 GET 2
SUMMER SALE
CEREAL COUPON
306
NON-FOOD $9,059.49 $8,306.61 $7,446.37 $8,028.21 $5,696.30 $3,297.02 $2,716.04
BICYCLES $1,680.92 $822.93 $1,352.61 $943.84 $832.62 $481.92 $397.00
COMPUTERS $2,292.21 $1,847.71 $1,965.71 $2,280.19 $1,454.54 $841.89 $693.54
TOASTERS $1,531.11 $2,270.61 $1,720.97 $1,558.53 $1,228.25 $710.91 $585.64
TVS $2,199.73 $1,454.66 $941.12 $1,677.33 $1,088.04 $629.76 $518.79
DVDS $1,355.54 $1,910.72 $1,465.97 $1,568.32 $1,092.85 $632.54 $521.08
FOOD $9,089.15 $5,732.52 $5,185.41 $4,886.19 $4,317.80 $2,499.14 $2,058.76
MEAT $2,629.52 $1,308.67 $743.41 $1,424.43 $1,059.11 $613.01 $504.99
PASTA $2,763.91 $2,279.89 $3,163.99 $1,836.04 $1,742.13 $1,008.34 $830.66
SPICES $1,334.06 $982.91 $640.14 $960.90 $679.59 $393.35 $324.03
DAIRY $2,361.65 $1,161.07 $637.88 $664.82 $836.98 $484.44 $399.08
GRAND TOTAL $18,148.64 $14,039.14 $12,631.79 $12,914.40 $10,014.10 $5,796.16 $4,774.80

Figure 4

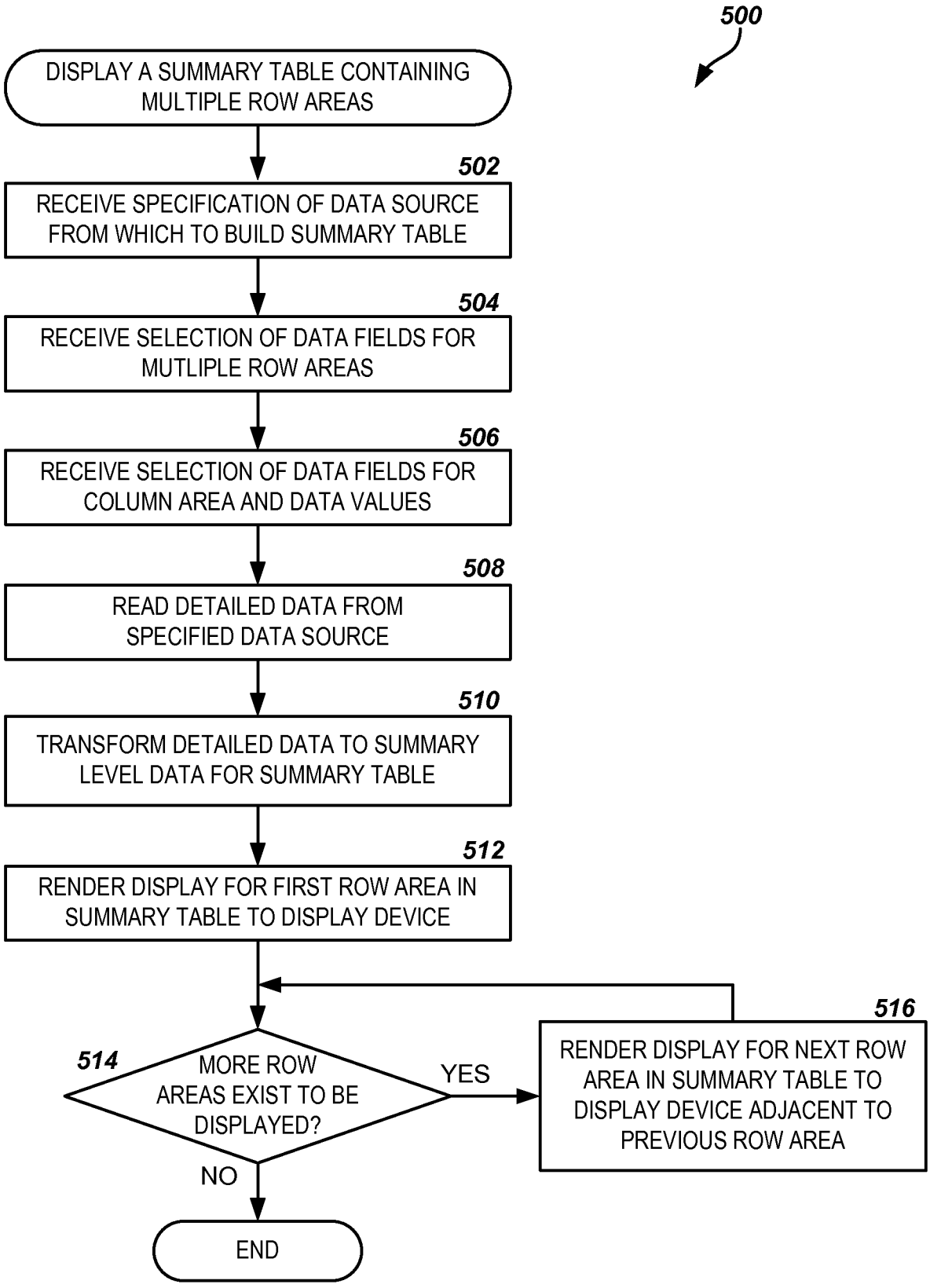

500
DISPLAY A SUMMARY TABLE CONTAINING MULTIPLE ROW AREAS
502
RECEIVE SPECIFICATION OF DATA SOURCE FROM WHICH TO BUILD SUMMARY TABLE
504
RECEIVE SELECTION OF DATA FIELDS FOR MUTLIPLE ROW AREAS
506
RECEIVE SELECTION OF DATA FIELDS FOR COLUMN AREA AND DATA VALUES
508
READ DETAILED DATA FROM SPECIFIED DATA SOURCE
510
TRANSFORM DETAILED DATA TO SUMMARY LEVEL DATA FOR SUMMARY TABLE
512
RENDER DISPLAY FOR FIRST ROW AREA IN SUMMARY TABLE TO DISPLAY DEVICE
514
MORE ROW AREAS EXIST TO BE DISPLAYED?
YES
NO
516
RENDER DISPLAY FOR NEXT ROW AREA IN SUMMARY TABLE TO DISPLAY DEVICE ADJACENT TO PREVIOUS ROW AREA
END

Figure 5

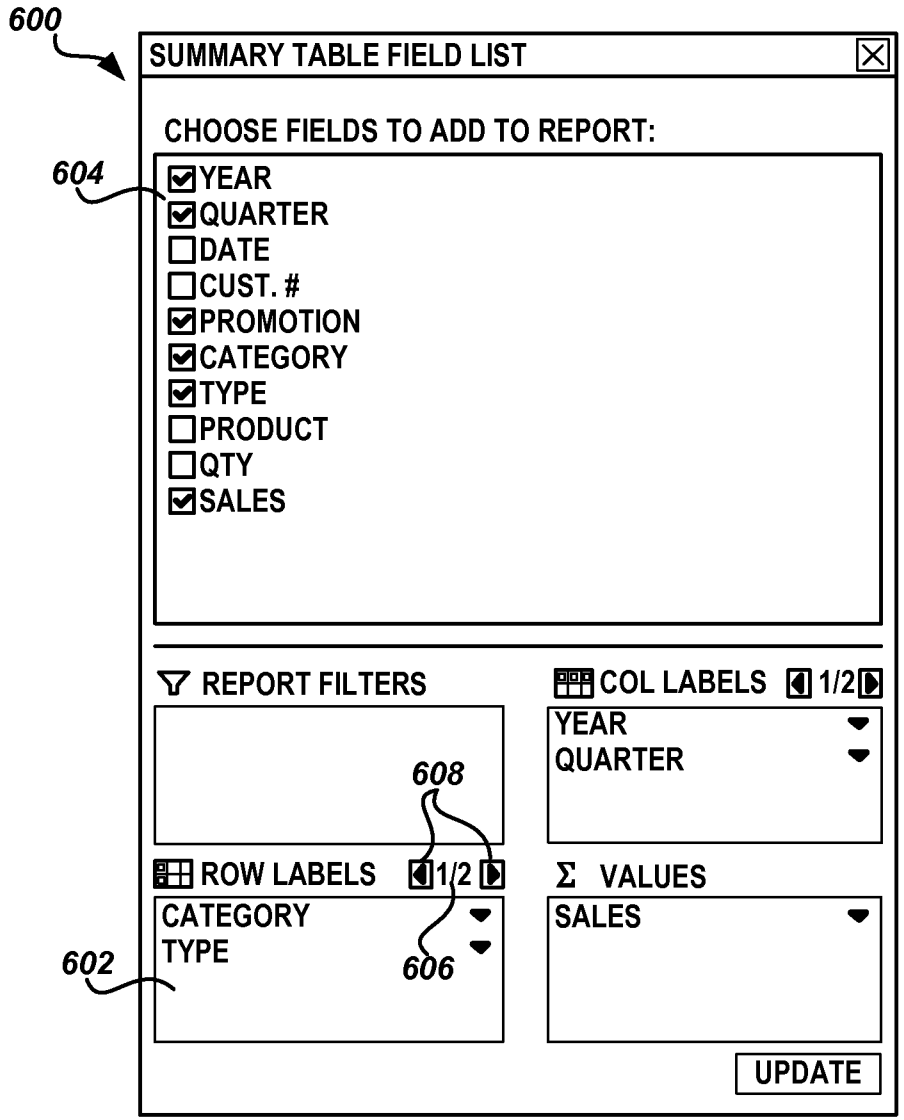


Figure 6A

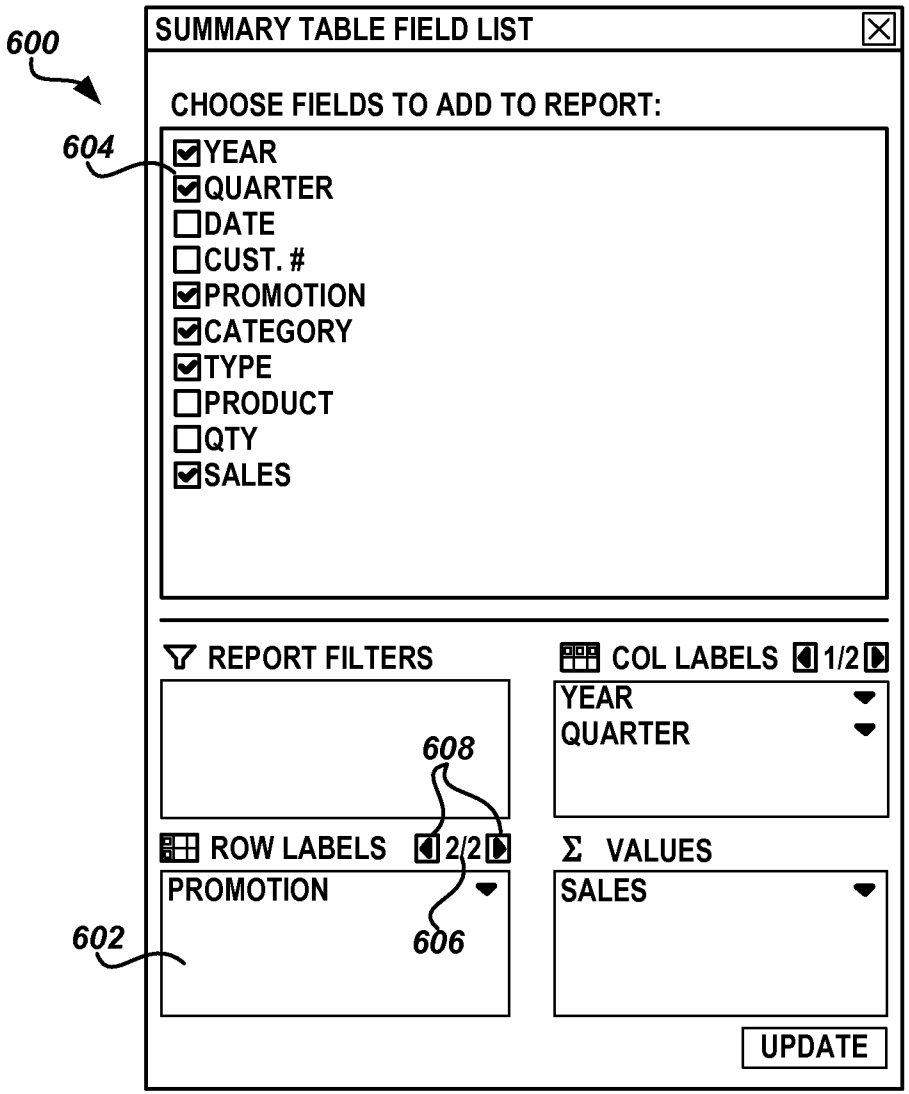


Figure 6B

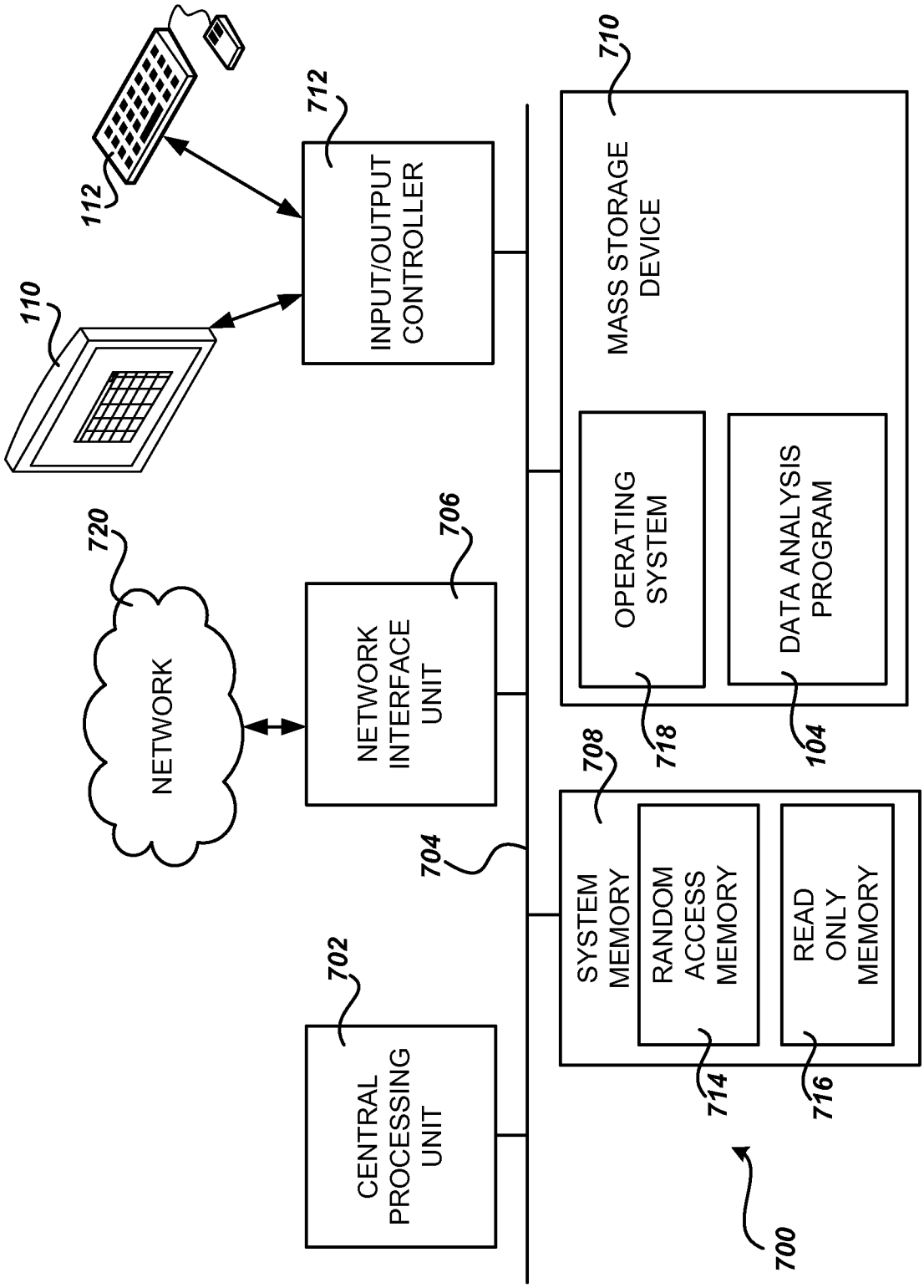

110
112
712
INPUT/OUTPUT CONTROLLER
710
MASS STORAGE DEVICE
OPERATING SYSTEM
DATA ANALYSIS PROGRAM
720
NETWORK
706
NETWORK INTERFACE UNIT
708
718
104
704
SYSTEM MEMORY
RANDOM ACCESS MEMORY
READ ONLY MEMORY
702
CENTRAL PROCESSING UNIT
714
716
700

Figure 7