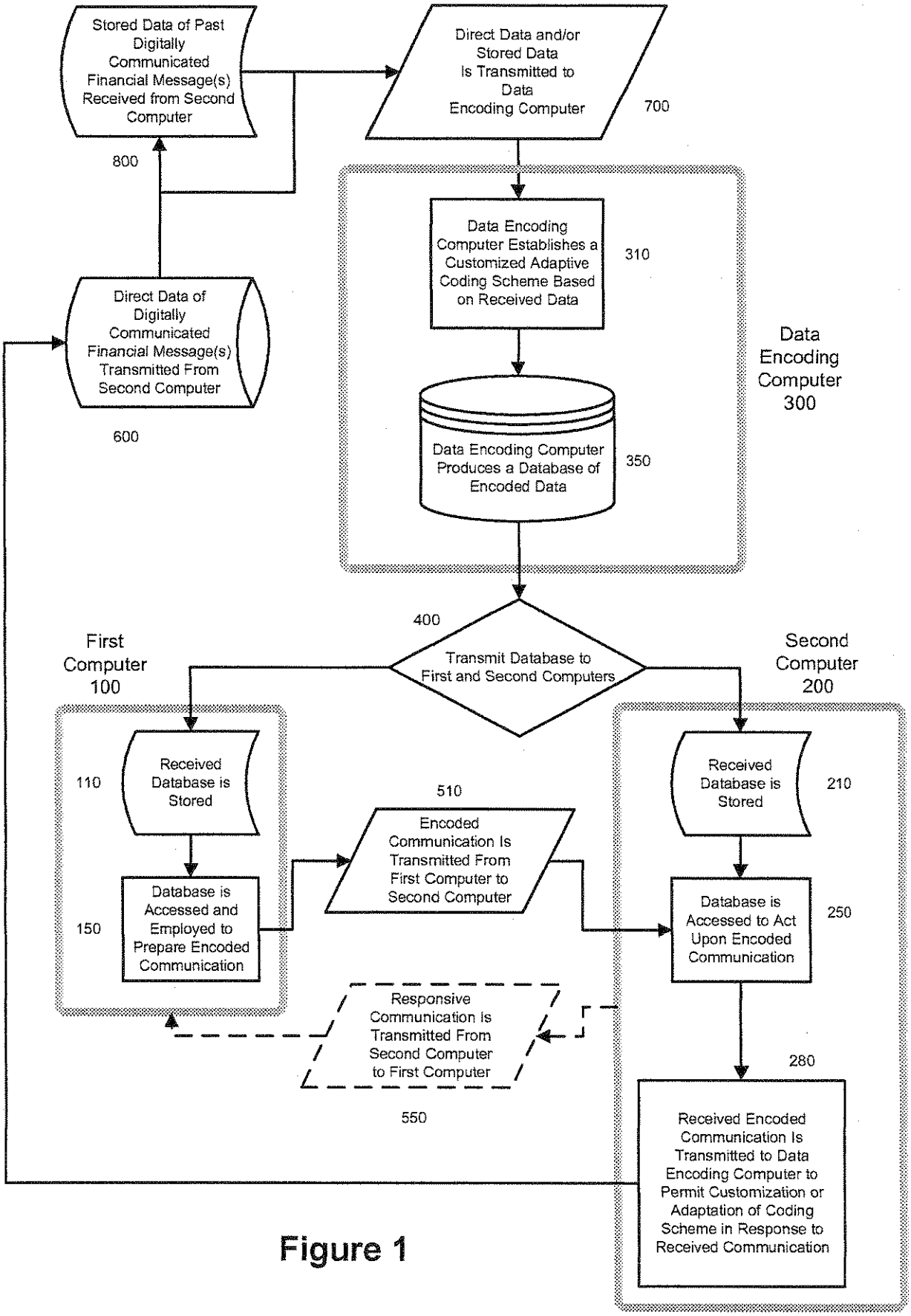

Stored Data of Past Digitally Communicated Financial Message(s) Received from Second Computer
800
Direct Data and/or Stored Data Is Transmitted to Data Encoding Computer
700
Data Encoding Computer Establishes a Customized Adaptive Coding Scheme Based on Received Data
310
Data Encoding Computer 300
Direct Data of Digitally Communicated Financial Message(s) Transmitted From Second Computer
600
Data Encoding Computer Produces a Database of Encoded Data
350
400
Transmit Database to First and Second Computers
First Computer 100
Second Computer 200
110
Received Database is Stored
510
Encoded Communication Is Transmitted From First Computer to Second Computer
Received Database is Stored
210
150
Database is Accessed and Employed to Prepare Encoded Communication
Database is Accessed to Act Upon Encoded Communication
250
Responsive Communication is Transmitted From Second Computer to First Computer
550
280
Received Encoded Communication Is Transmitted to Data Encoding Computer to Permit Customization or Adaptation of Coding Scheme in Response to Received Communication

Figure 1

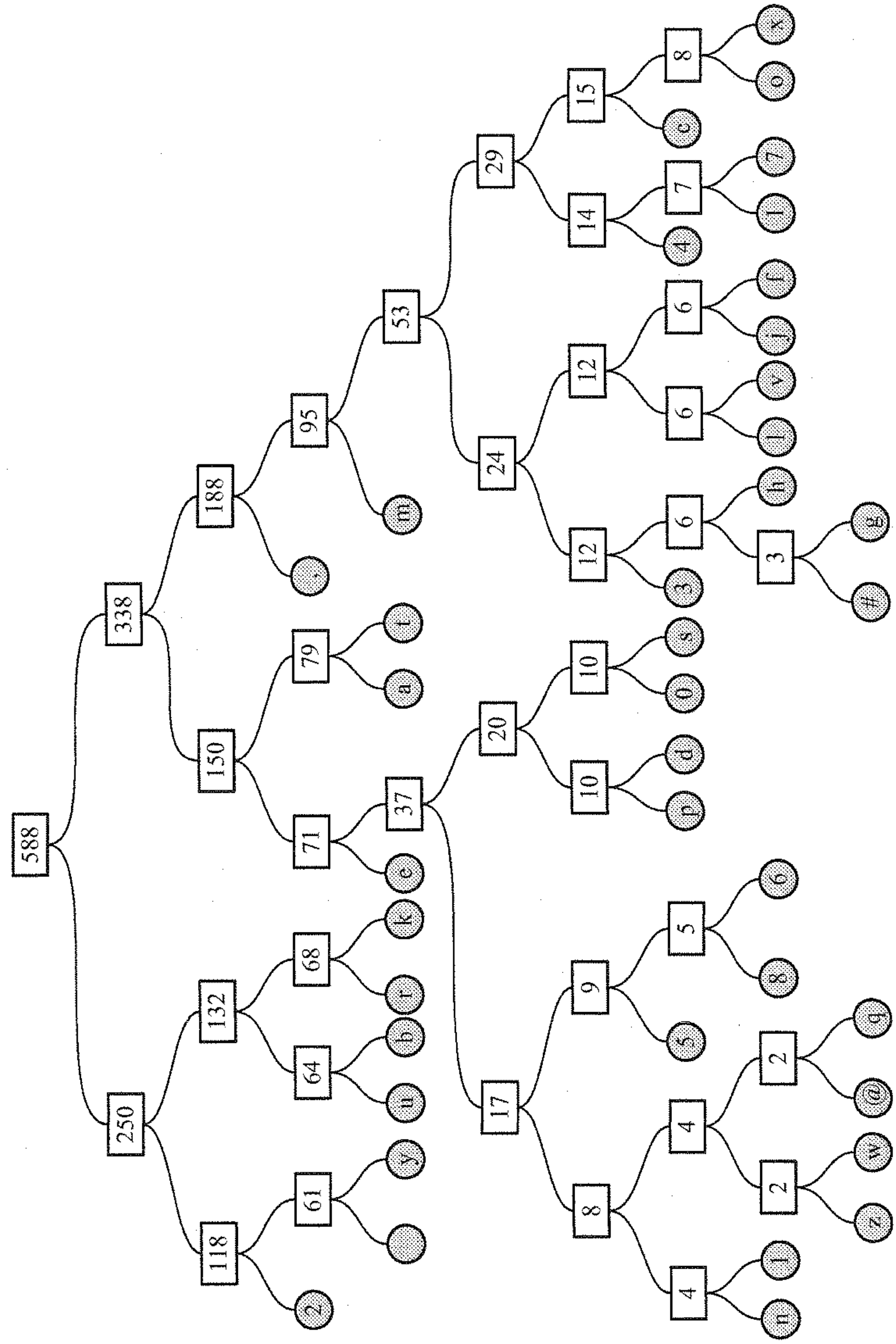

588
338
250
188
150
132
118
95
79
71
68
64
61
2
m
t
a
37
e
k
r
b
u
y
53
29
24
20
17
15
14
12
12
10
10
9
8
8
c
7
4
6
6
6
3
s
0
d
p
5
5
4
4
x
o
7
1
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v
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3
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8
2
2
1
n
g
#
q
@
w
z

Figure 2

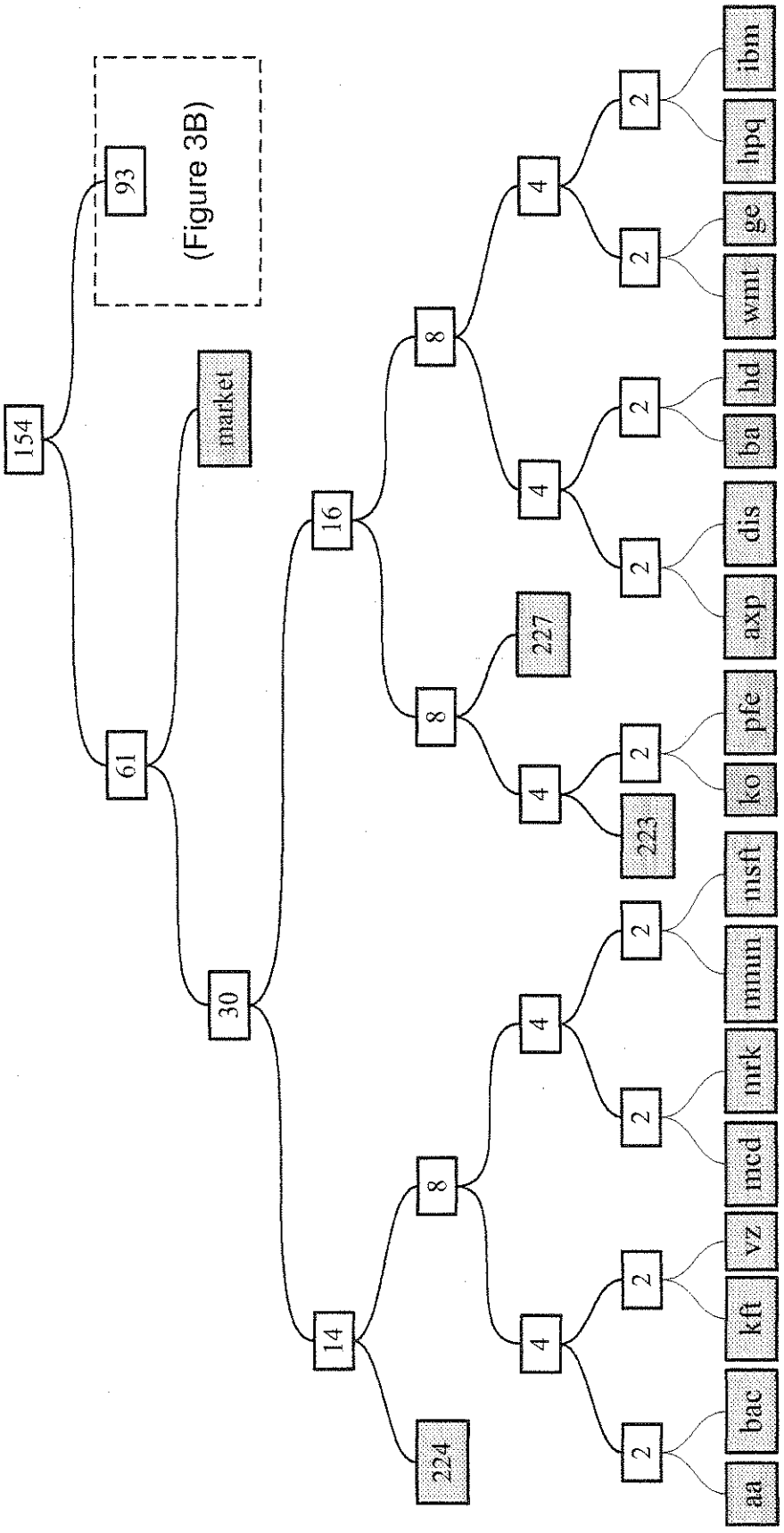

154
93
(Figure 3B)
61
market
30
16
14
224
8
8
4
4
4
4
2
2
2
2
2
2
2
2
aa
bac
kft
vz
mcd
mrk
mmm
msft
223
227
ko
pfe
axp
dis
ba
hd
wmt
ge
hpq
ibm

Figure 3A

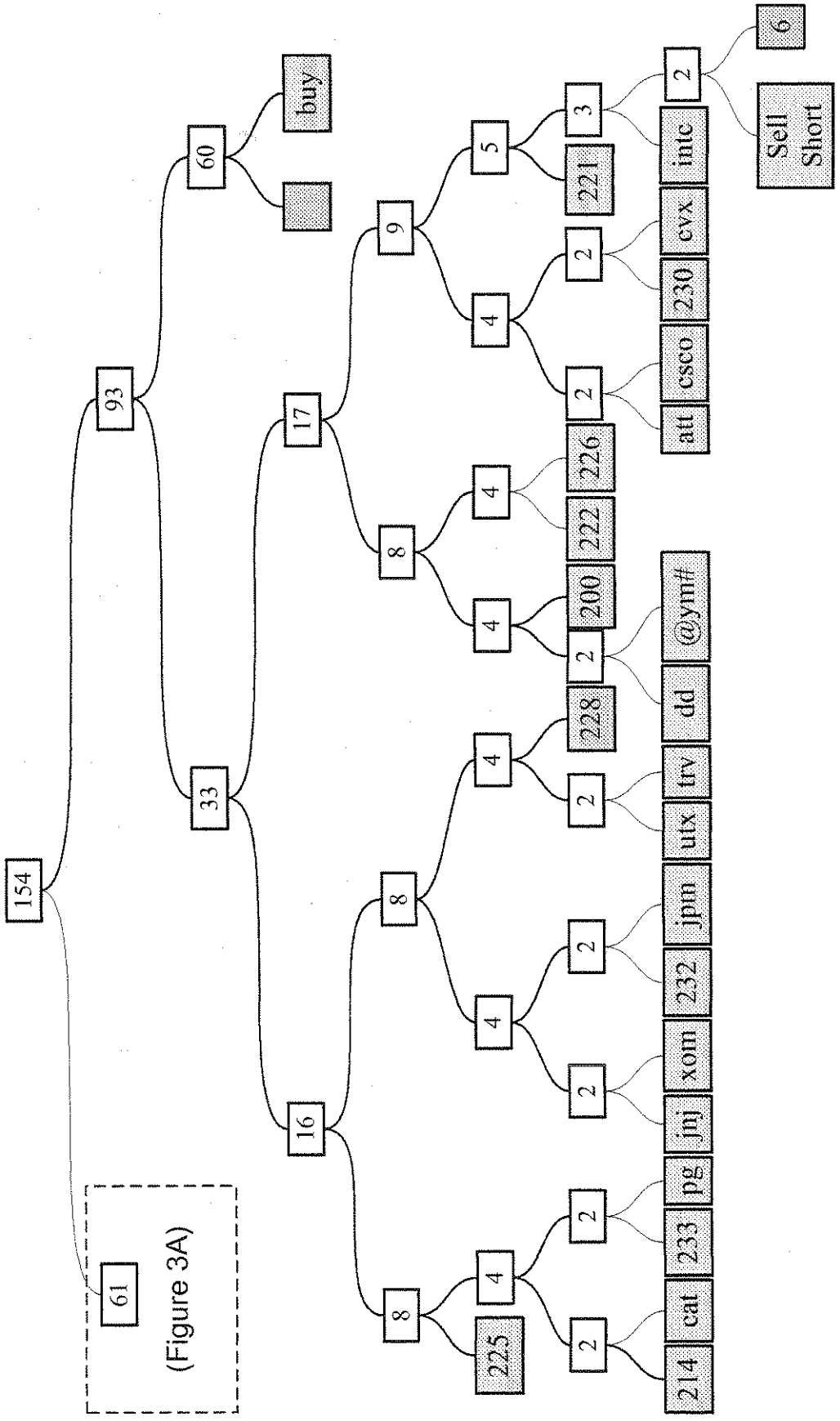

154
61
(Figure 3A)
93
60
buy
33
17
16
9
8
5
4
3
2
221
att
csco
230
cvx
intc
2
6
Sell
Short
8
4
2
225
214
cat
233
pg
jnj
xom
232
jpm
utx
trv
dd
@ym#
228
200
222
226

Figure 3B

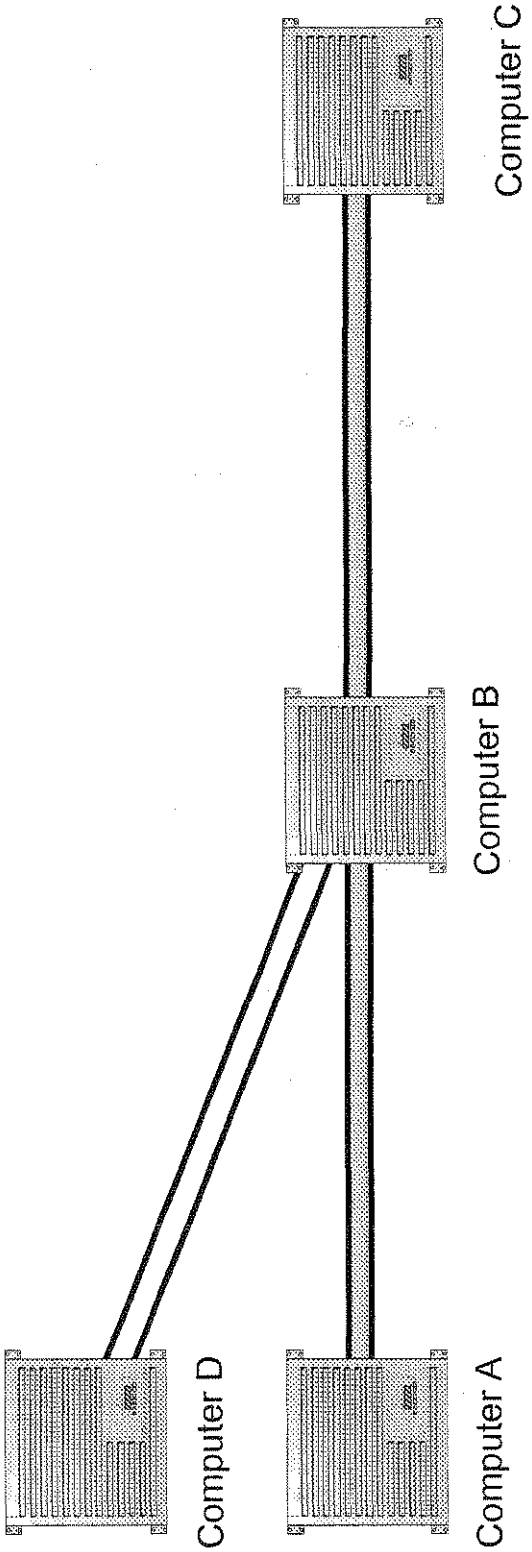


Figure 4A

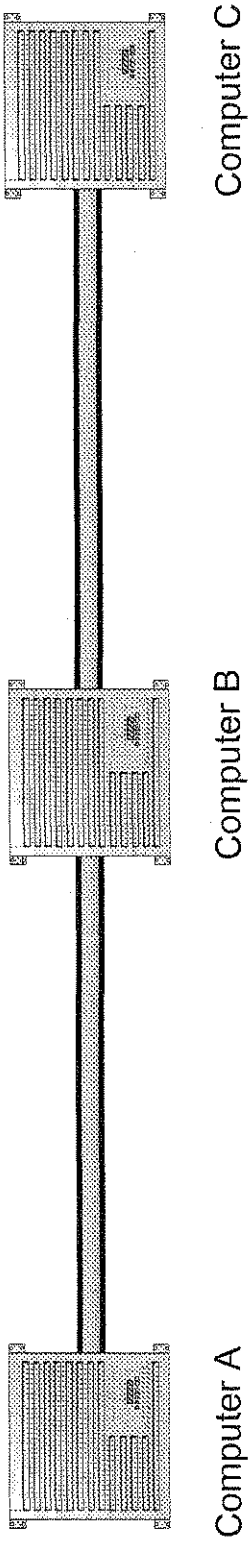


Figure 4B

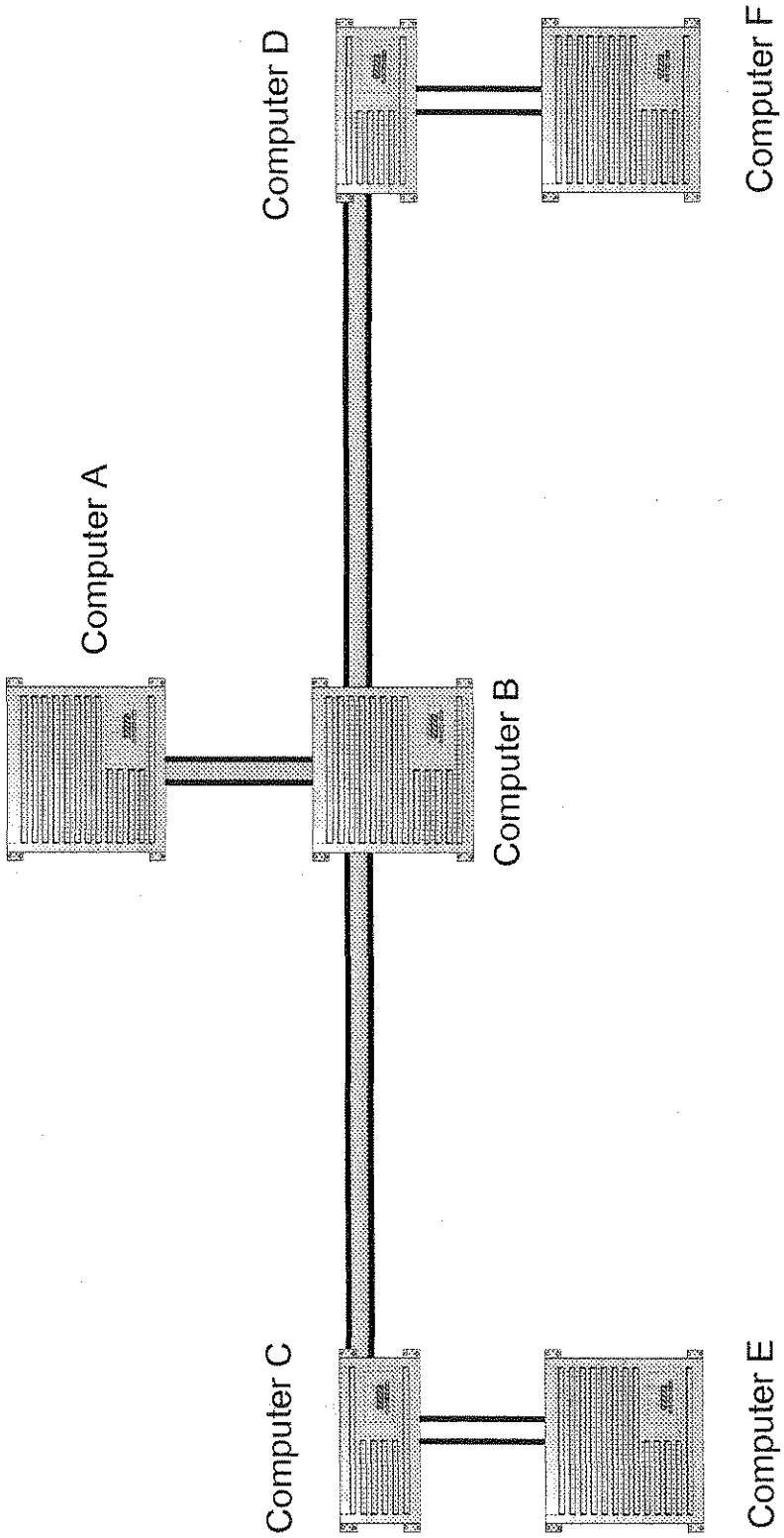

Computer A
Computer B
Computer C
Computer D
Computer E
Computer F

Figure 4C

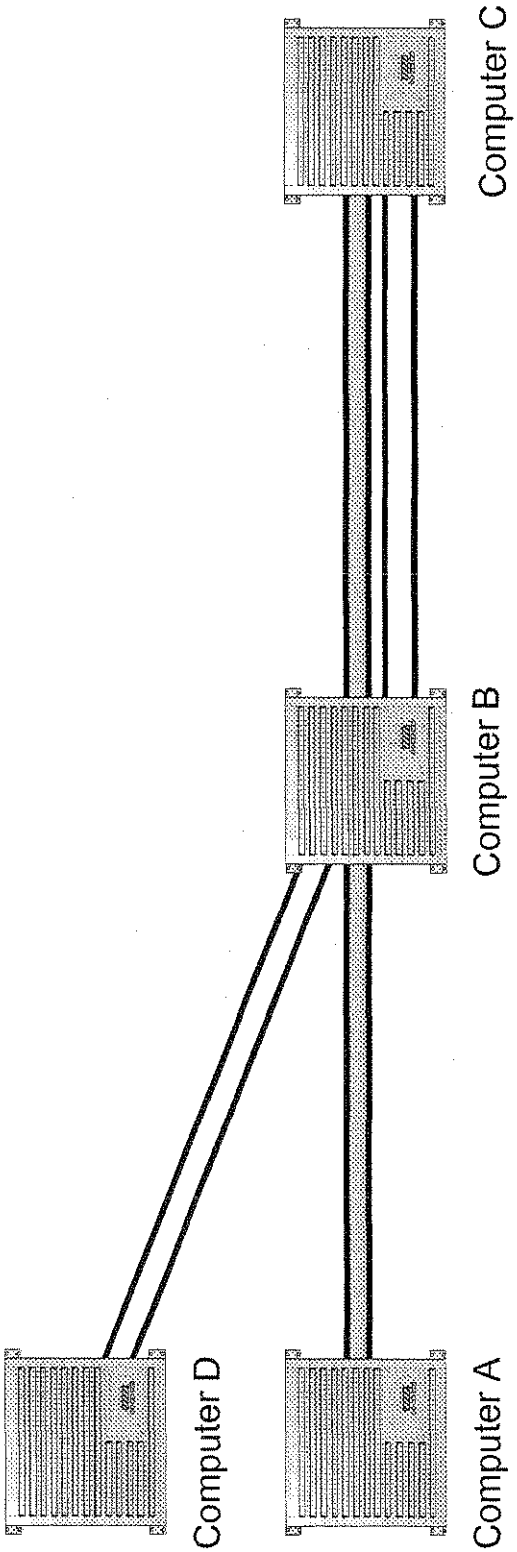


Figure 4D

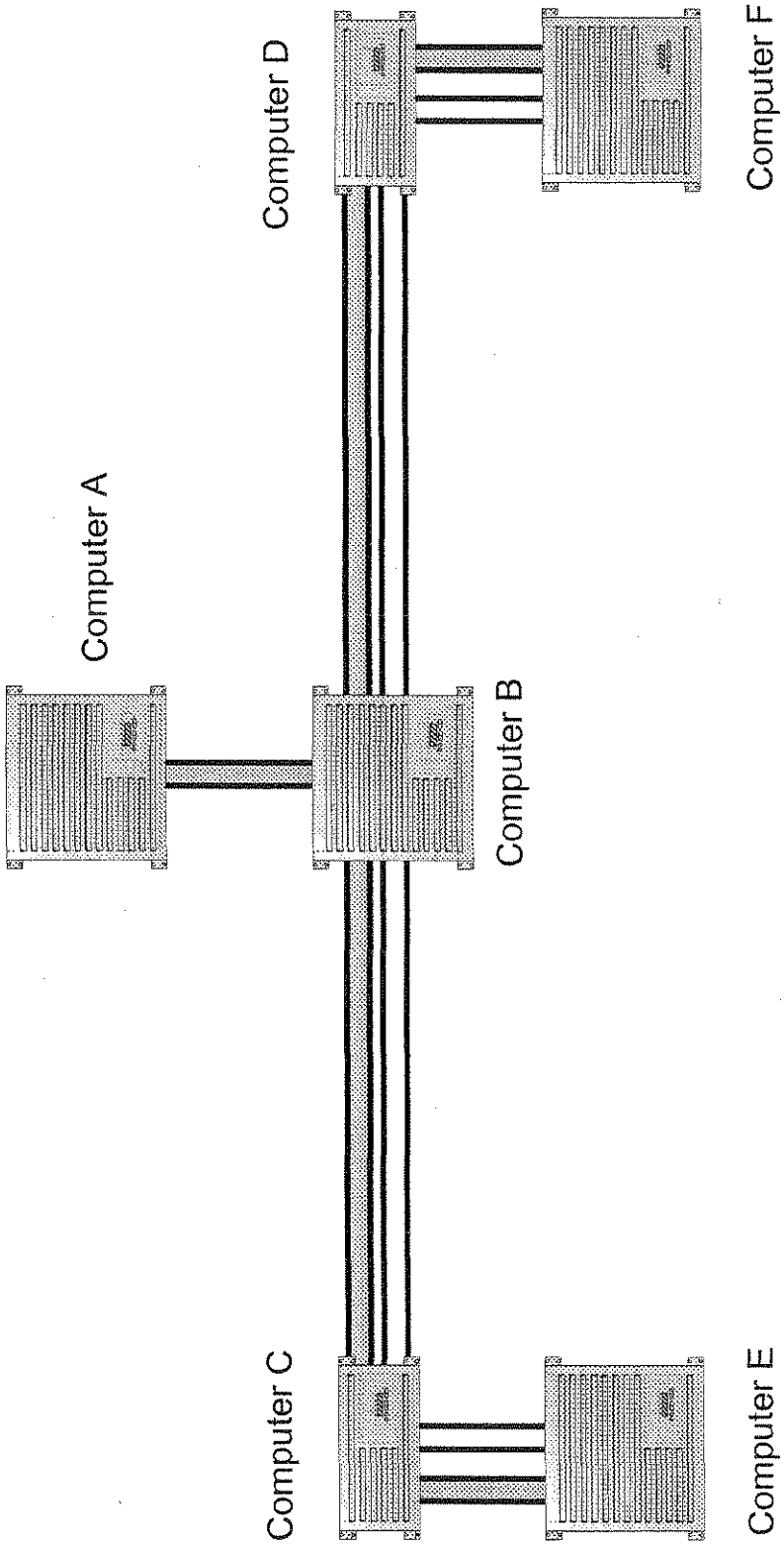

Computer A
Computer B
Computer C
Computer D
Computer E
Computer F

Figure 4E