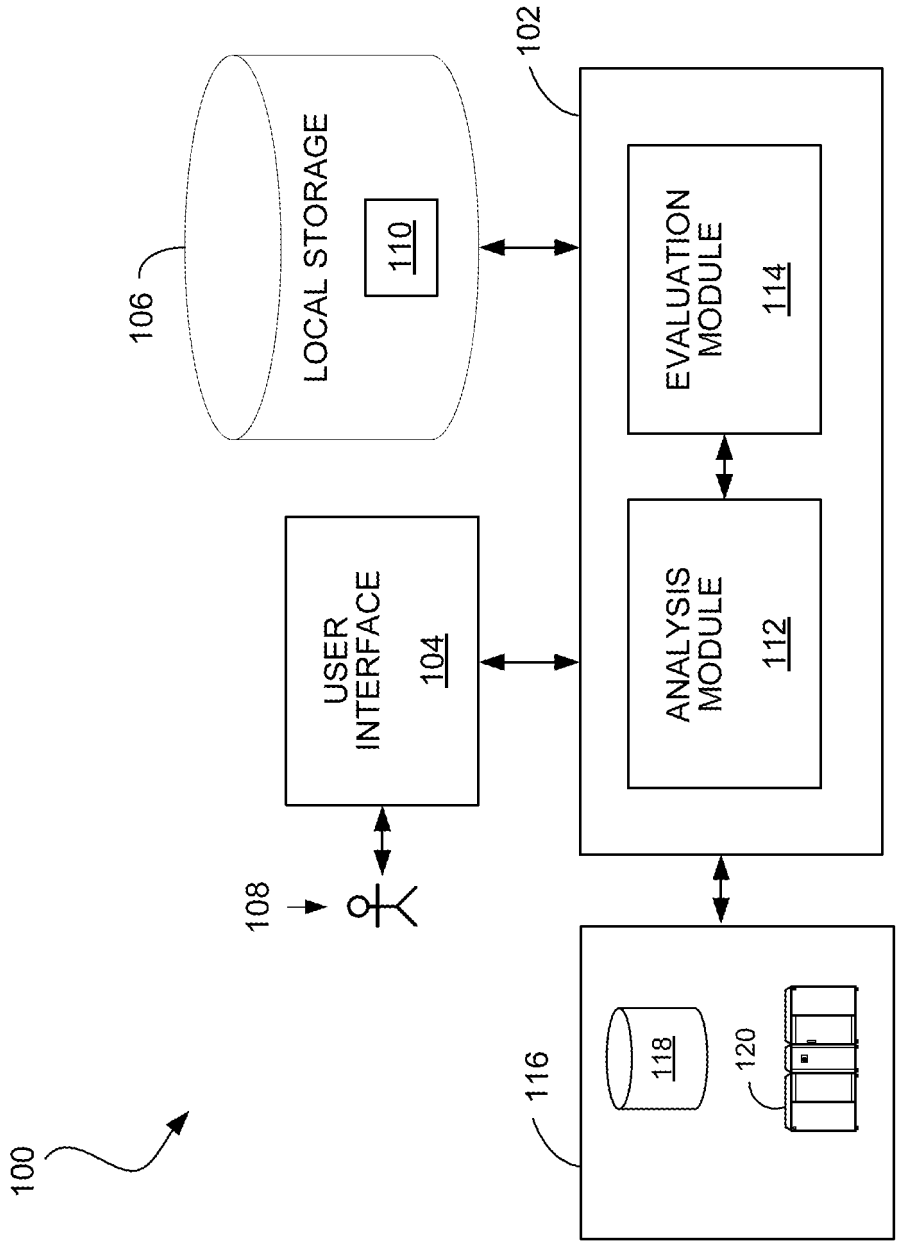

100
102
106
LOCAL STORAGE
110
EVALUATION MODULE
114
USER INTERFACE
104
ANALYSIS MODULE
112
108
116
118
120

FIG. 1

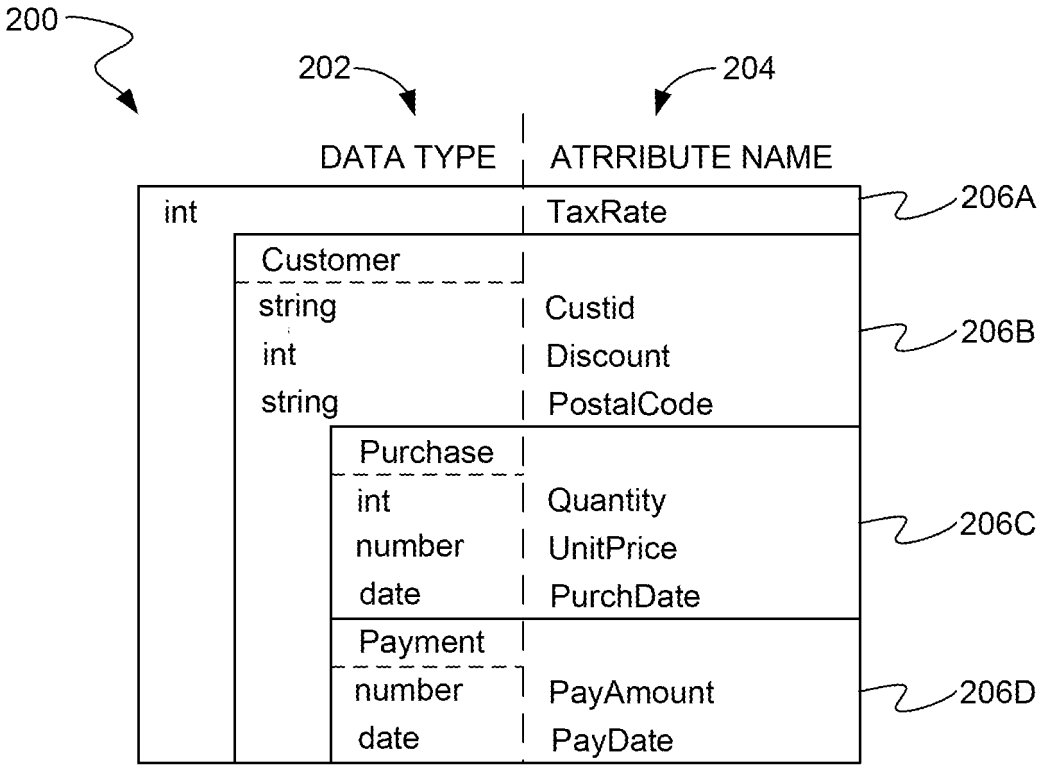

200
202
204
DATA TYPE
ATRRIBUTE NAME
int
TaxRate
206A
Customer
string
Custid
int
Discount
206B
string
PostalCode
Purchase
int
Quantity
number
UnitPrice
206C
date
PurchDate
Payment
number
PayAmount
206D
date
PayDate

FIG. 2A

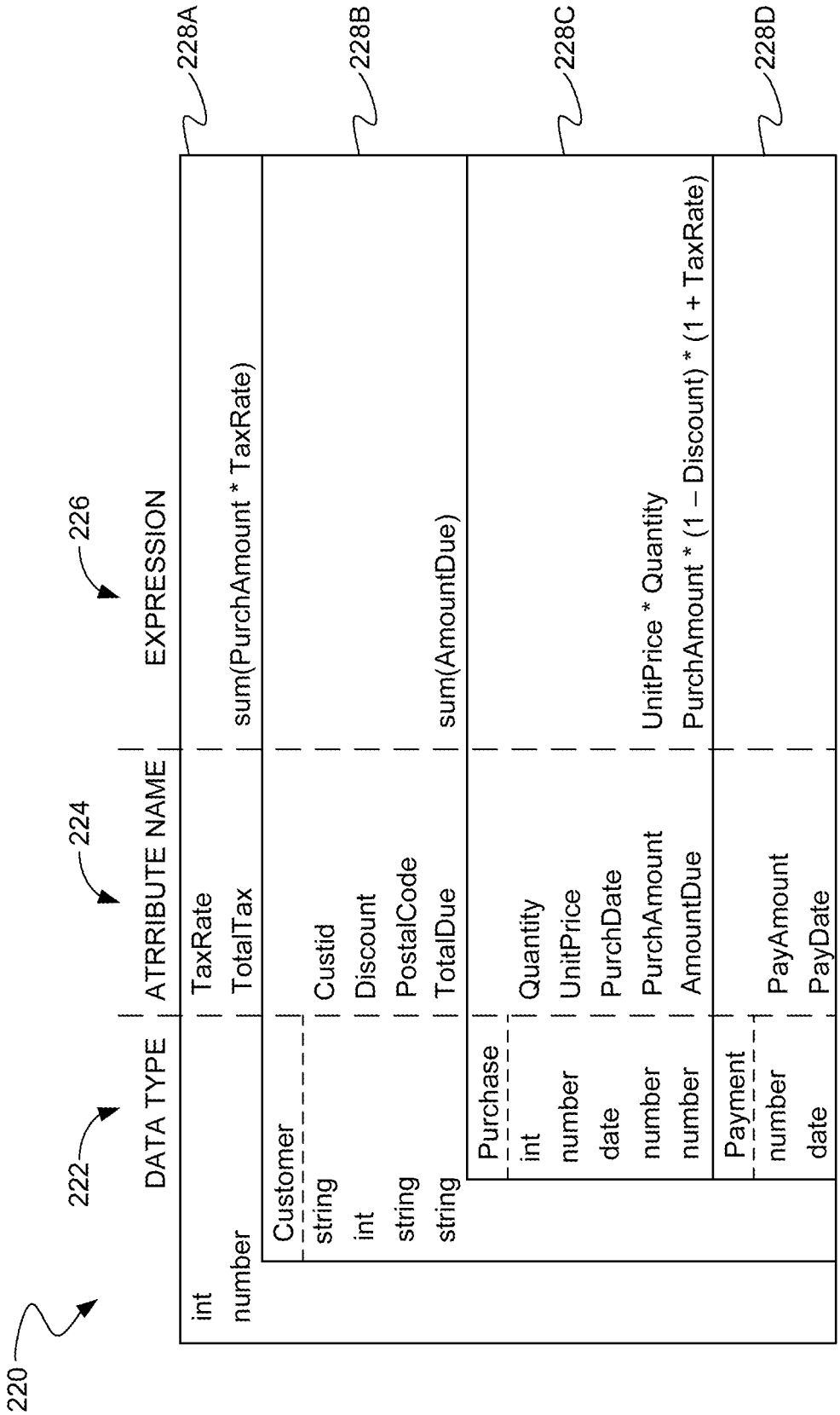

220
222
224
226
DATA TYPE
ATRRIBUTE NAME
EXPRESSION
228A
228B
228C
228D
int
number
TaxRate
TotalTax
sum(PurchAmount * TaxRate)
Customer
string
int
string
string
Custid
Discount
PostalCode
TotalDue
sum(AmountDue)
Purchase
int
number
date
number
number
Quantity
UnitPrice
PurchDate
PurchAmount
AmountDue
UnitPrice * Quantity
PurchAmount * (1 – Discount) * (1 + TaxRate)
Payment
number
date
PayAmount
PayDate

FIG. 2B

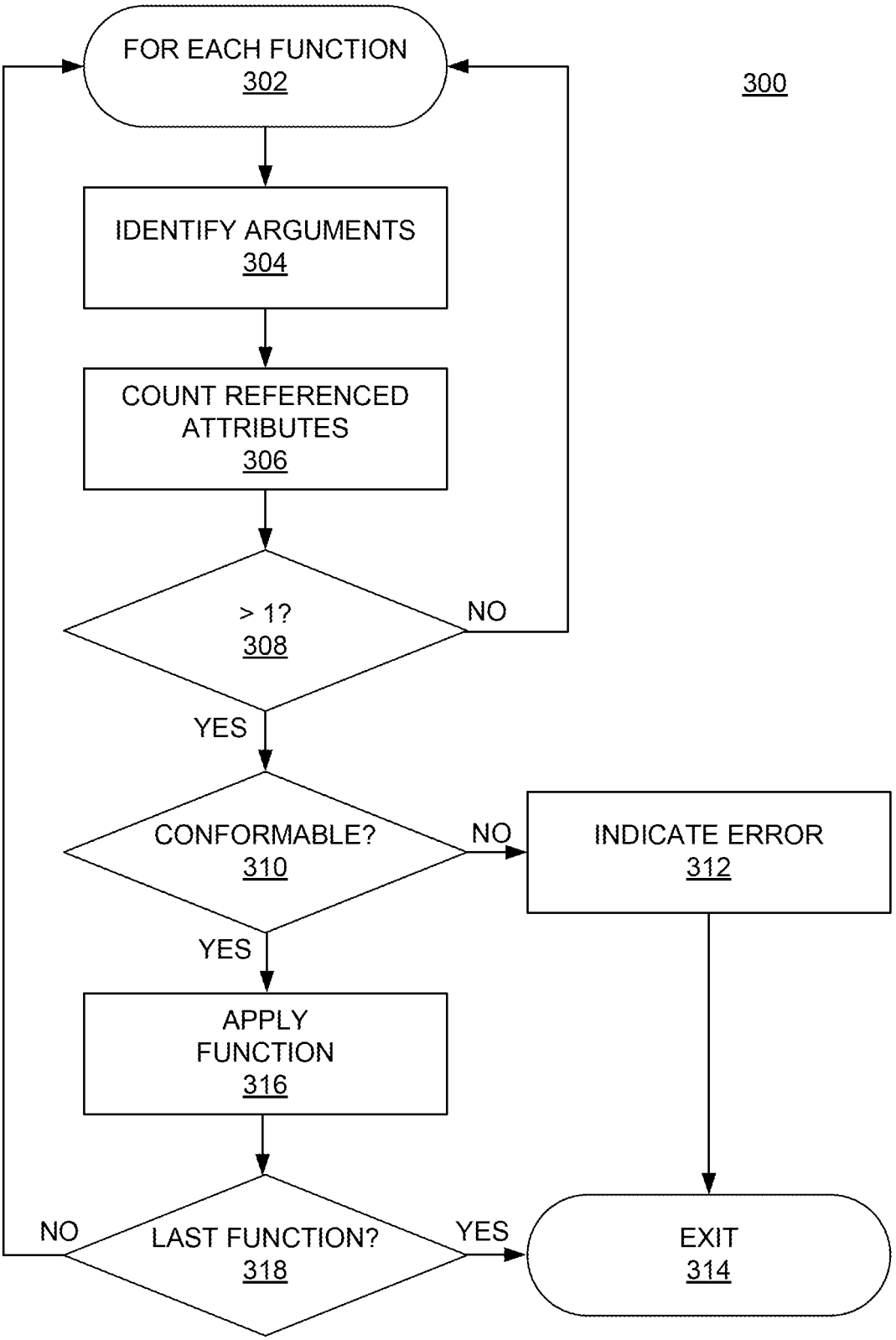

FOR EACH FUNCTION
302
300
IDENTIFY ARGUMENTS
304
COUNT REFERENCED ATTRIBUTES
306
> 1?
308
NO
YES
CONFORMABLE?
310
NO
INDICATE ERROR
312
YES
APPLY FUNCTION
316
NO
LAST FUNCTION?
318
YES
EXIT
314

FIG. 3