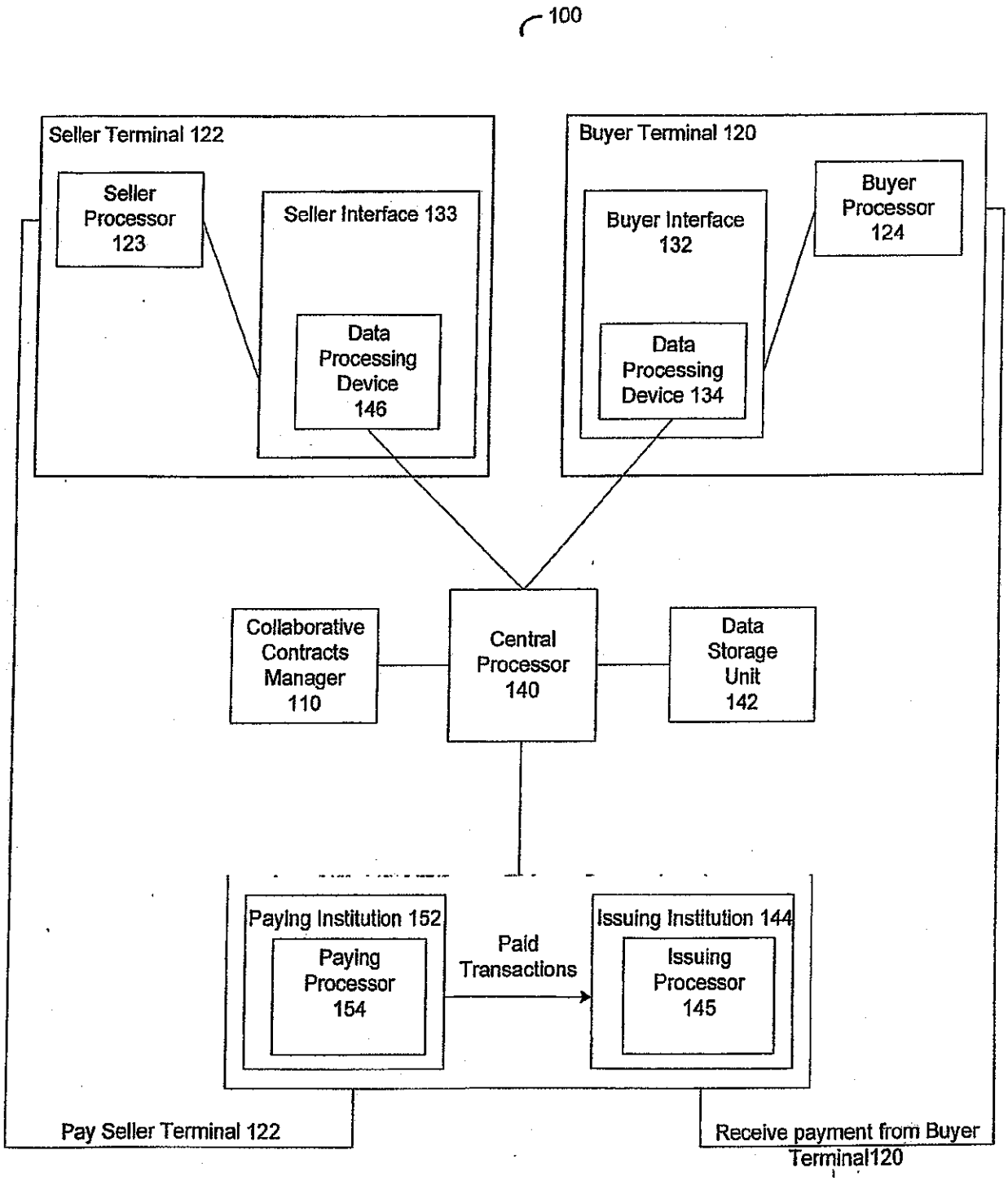

100
Seller Terminal 122
Seller Processor 123
Seller Interface 133
Data Processing Device 146
Buyer Terminal 120
Buyer Interface 132
Buyer Processor 124
Data Processing Device 134
Collaborative Contracts Manager 110
Central Processor 140
Data Storage Unit 142
Paying Institution 152
Paying Processor 154
Paid Transactions
Issuing Institution 144
Issuing Processor 145
Pay Seller Terminal 122
Receive payment from Buyer Terminal120

FIG. 1

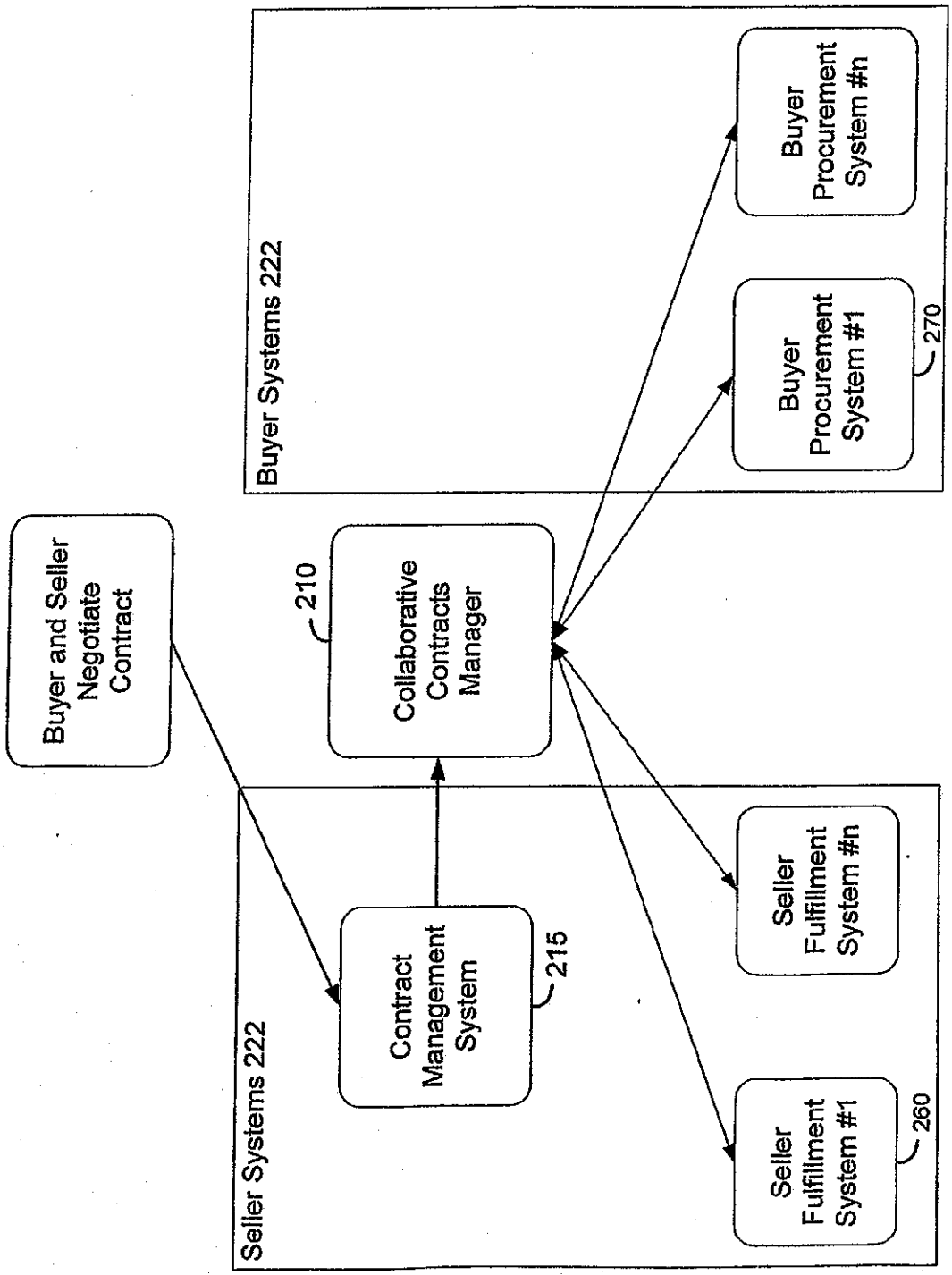

Buyer and Seller Negotiate Contract
Collaborative Contracts Manager
210
Buyer Systems 222
Buyer Procurement System #n
Buyer Procurement System #1
270
Seller Systems 222
Contract Management System
215
Seller Fulfillment System #n
Seller Fulfillment System #1
260

FIG. 2

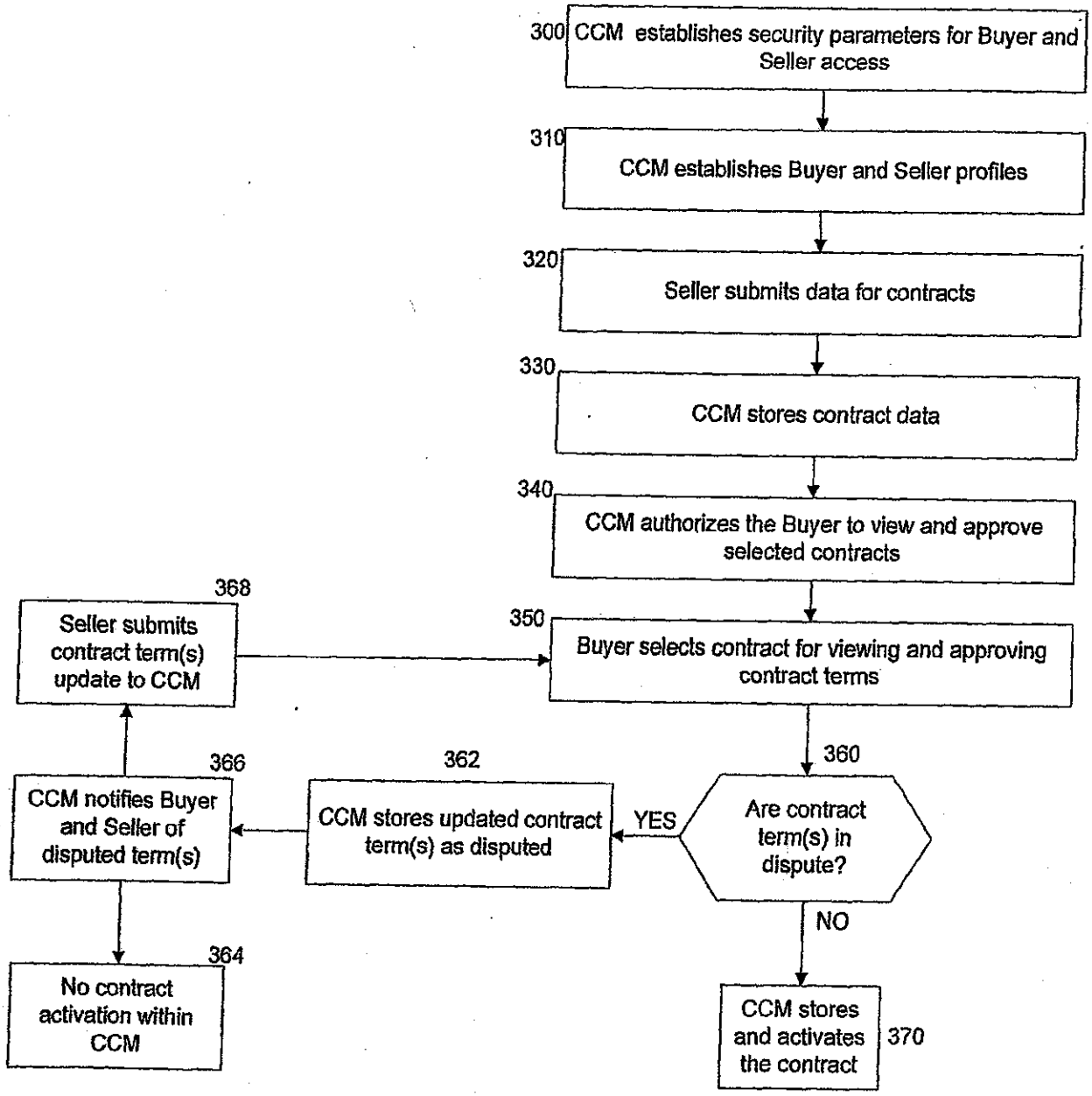

300
CCM establishes security parameters for Buyer and Seller access
310
CCM establishes Buyer and Seller profiles
320
Seller submits data for contracts
330
CCM stores contract data
340
CCM authorizes the Buyer to view and approve selected contracts
350
Buyer selects contract for viewing and approving contract terms
360
Are contract term(s) in dispute?
YES
NO
362
CCM stores updated contract term(s) as disputed
366
CCM notifies Buyer and Seller of disputed term(s)
368
Seller submits contract term(s) update to CCM
364
No contract activation within CCM
370
CCM stores and activates the contract

FIG. 3A

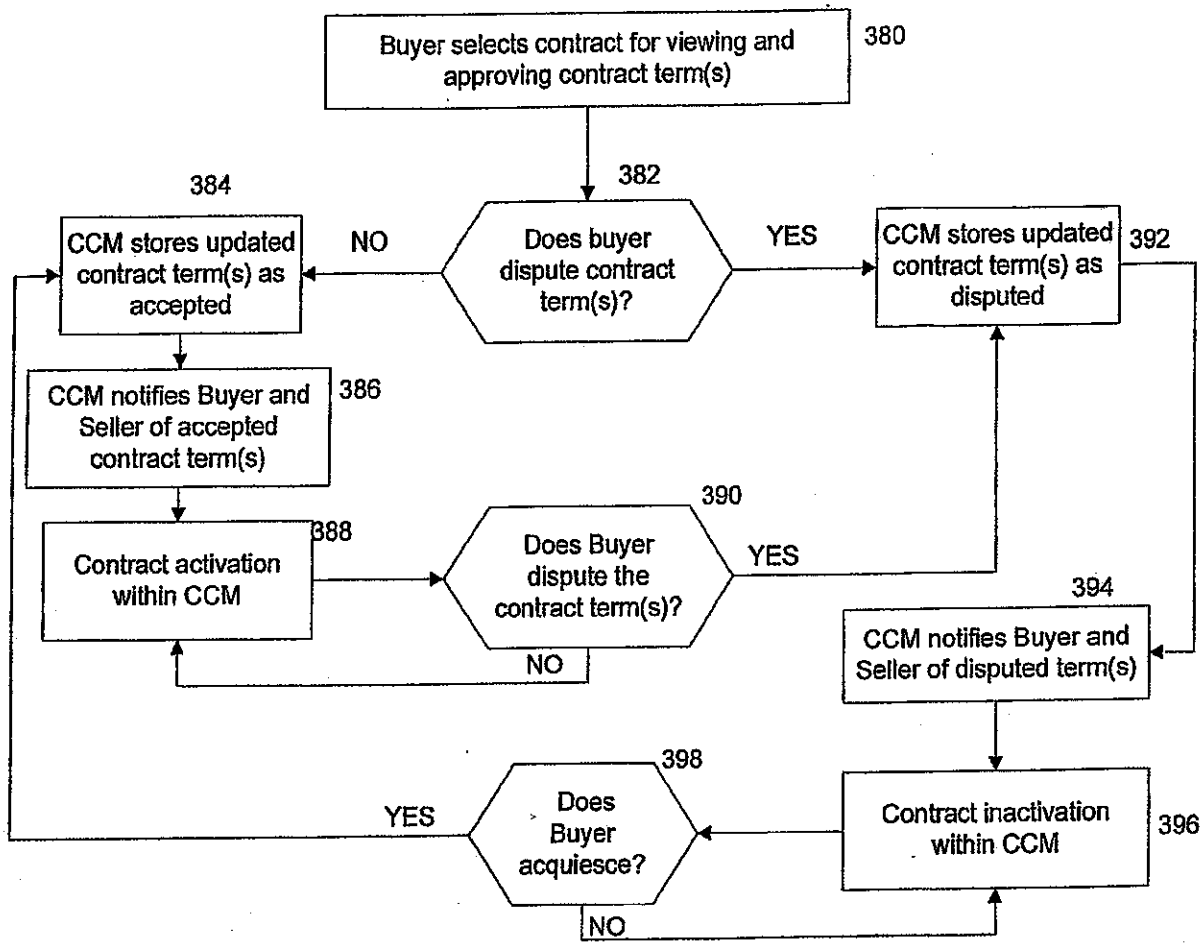

Buyer selects contract for viewing and approving contract term(s)
380
382
Does buyer dispute contract term(s)?
NO
YES
384
CCM stores updated contract term(s) as accepted
CCM stores updated contract term(s) as disputed
392
CCM notifies Buyer and Seller of accepted contract term(s)
386
390
Contract activation within CCM
388
Does Buyer dispute the contract term(s)?
YES
NO
394
CCM notifies Buyer and Seller of disputed term(s)
398
Does Buyer acquiesce?
YES
Contract inactivation within CCM
396
NO

FIG. 3B

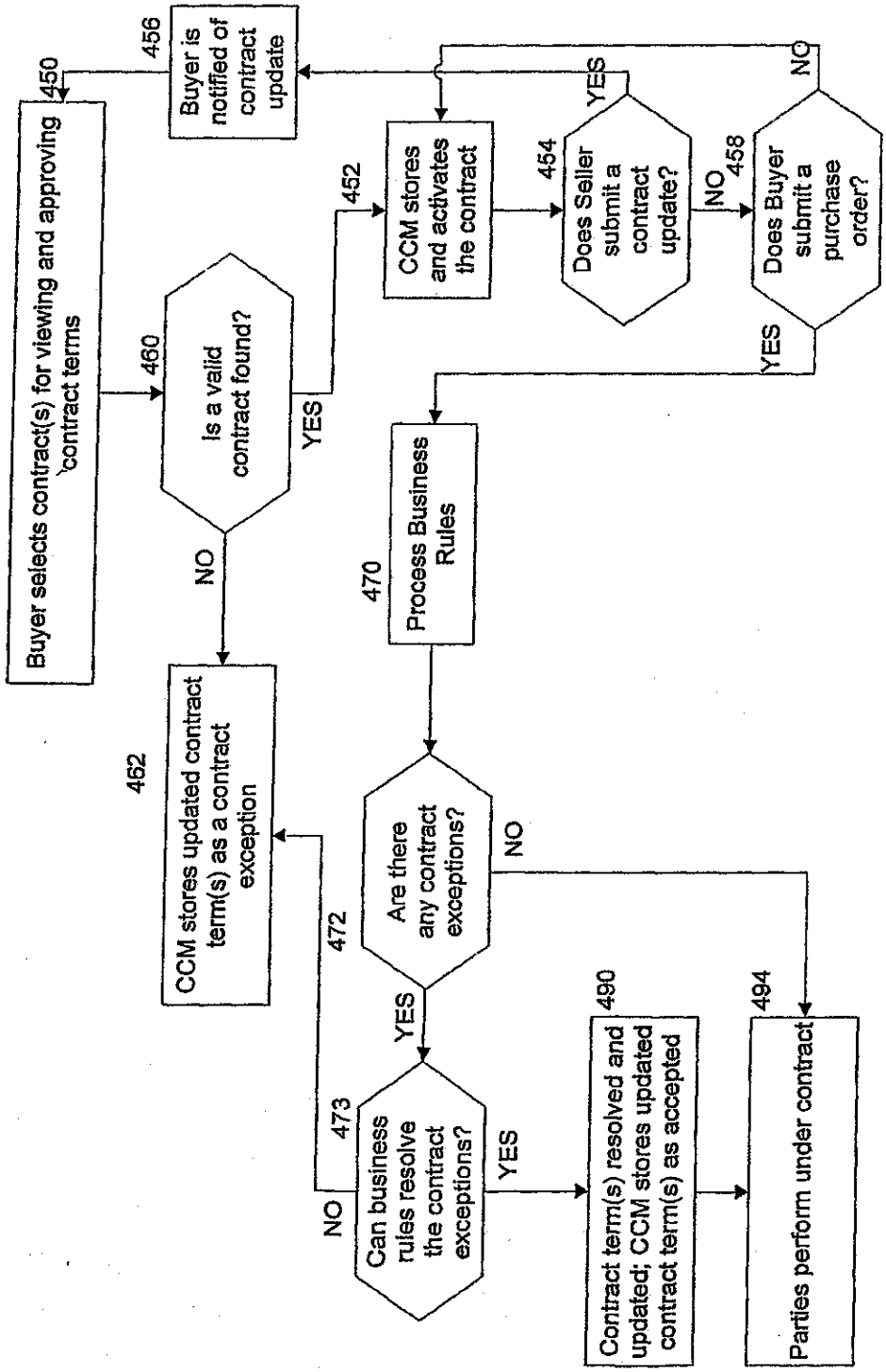

Buyer selects contract(s) for viewing and approving contract terms
450
Buyer is notified of contract update
456
Is a valid contract found?
460
YES
NO
CCM stores and activates the contract
452
Does Seller submit a contract update?
454
YES
NO
Does Buyer submit a purchase order?
458
YES
NO
Process Business Rules
470
CCM stores updated contract term(s) as a contract exception
462
Are there any contract exceptions?
472
YES
NO
Can business rules resolve the contract exceptions?
473
YES
NO
Contract term(s) resolved and updated; CCM stores updated contract term(s) as accepted
490
Parties perform under contract
494

FIG. 4A

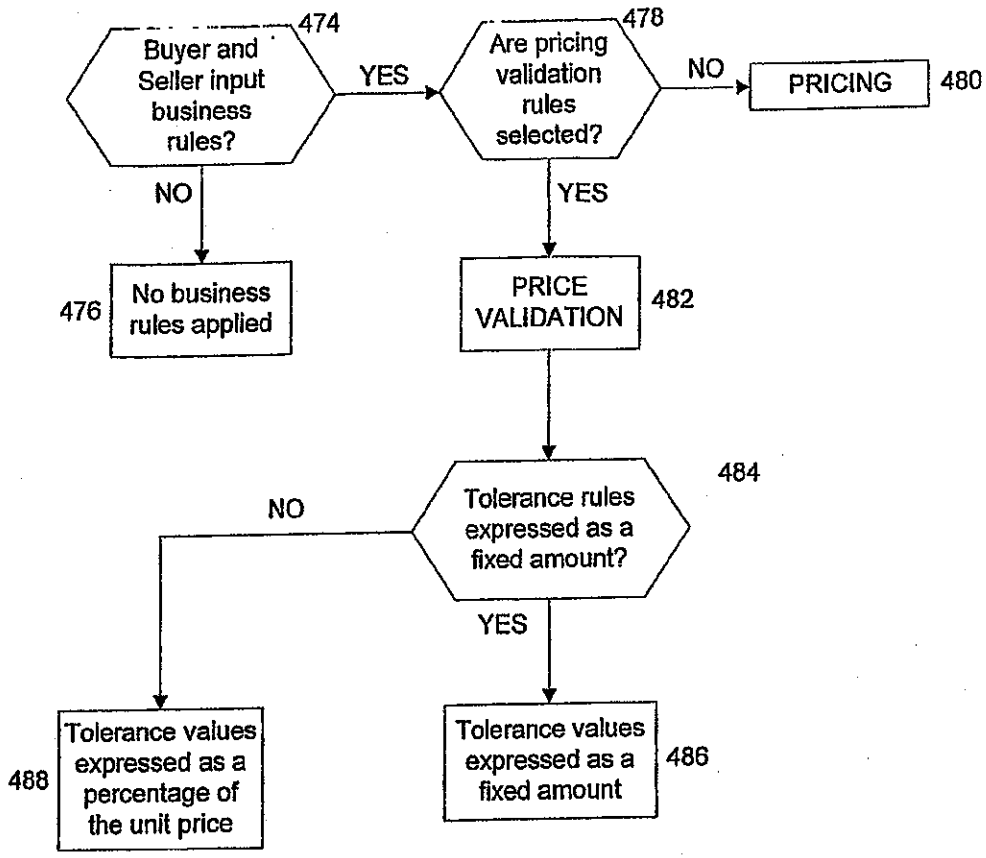

474
Buyer and Seller input business rules?
YES
478
Are pricing validation rules selected?
NO
PRICING
480
NO
YES
476
No business rules applied
PRICE VALIDATION
482
484
Tolerance rules expressed as a fixed amount?
NO
YES
488
Tolerance values expressed as a percentage of the unit price
Tolerance values expressed as a fixed amount
486

FIG. 4B

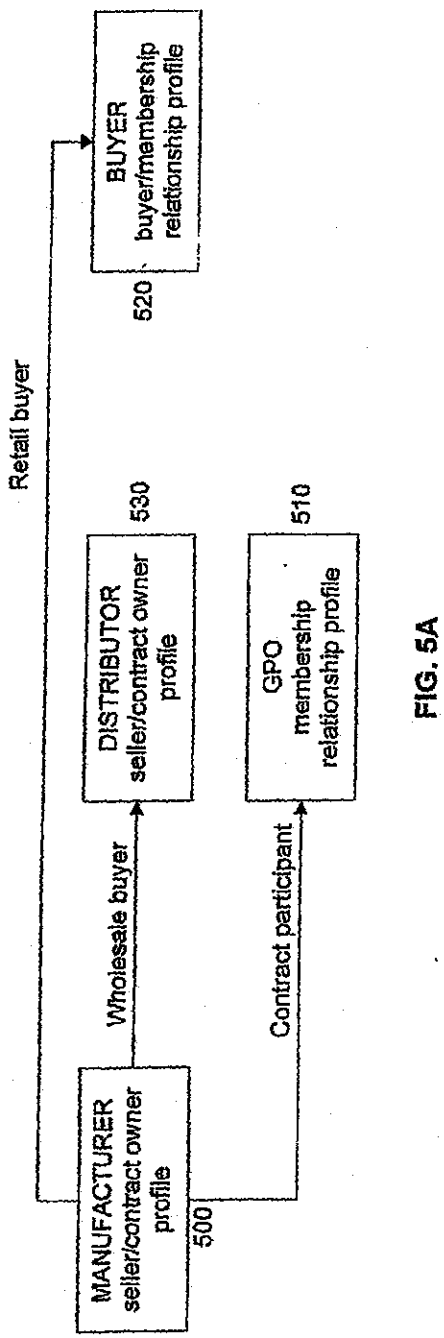

MANUFACTURER
seller/contract owner
profile
500
Retail buyer
Wholesale buyer
Contract participant
DISTRIBUTOR
seller/contract owner
profile
530
GPO
membership
relationship profile
510
BUYER
buyer/membership
relationship profile
520

FIG. 5A

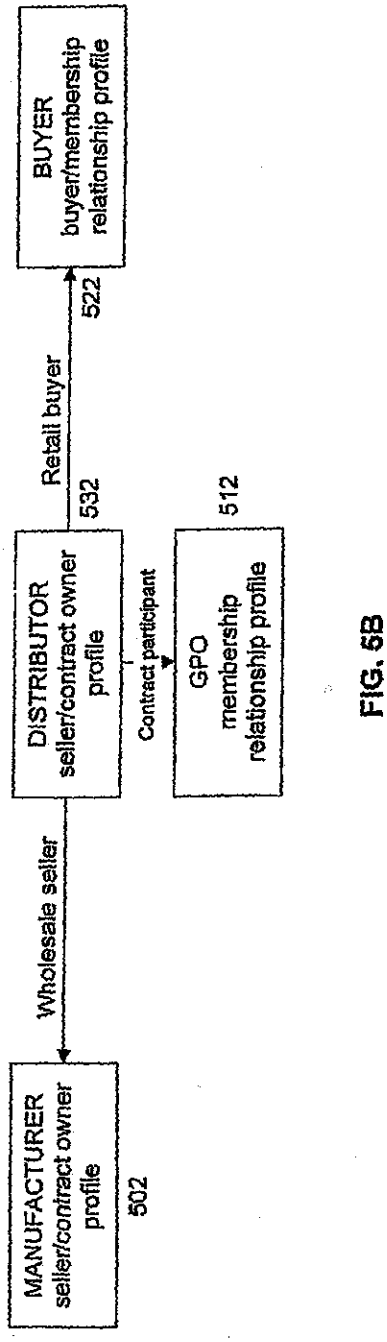

MANUFACTURER
seller/contract owner
profile
502
Wholesale seller
DISTRIBUTOR
seller/contract owner
profile
532
Contract participant
GPO
membership
relationship profile
512
Retail buyer
BUYER
buyer/membership
relationship profile
522

FIG. 5B

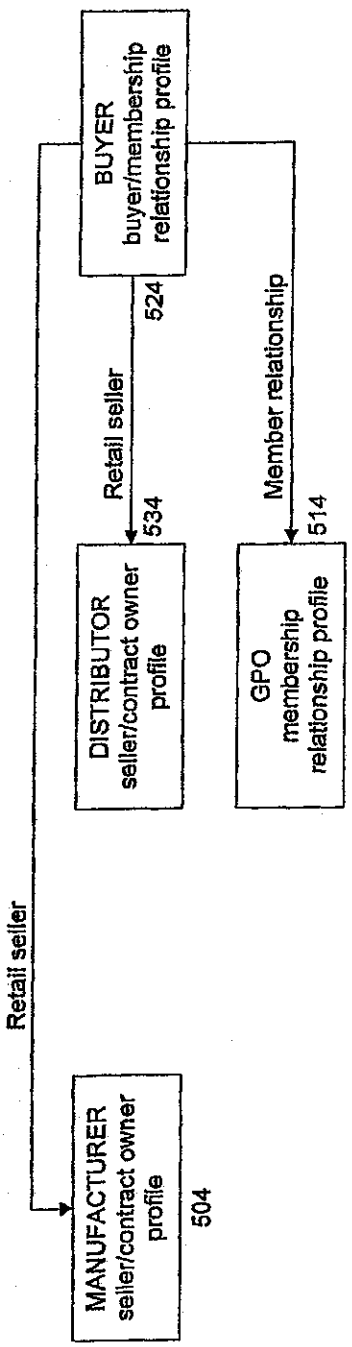

BUYER
buyer/membership
relationship profile
524
Retail seller
534
Member relationship
514
DISTRIBUTOR
seller/contract owner
profile
GPO
membership
relationship profile
Retail seller
MANUFACTURER
seller/contract owner
profile
504

FIG. 5C

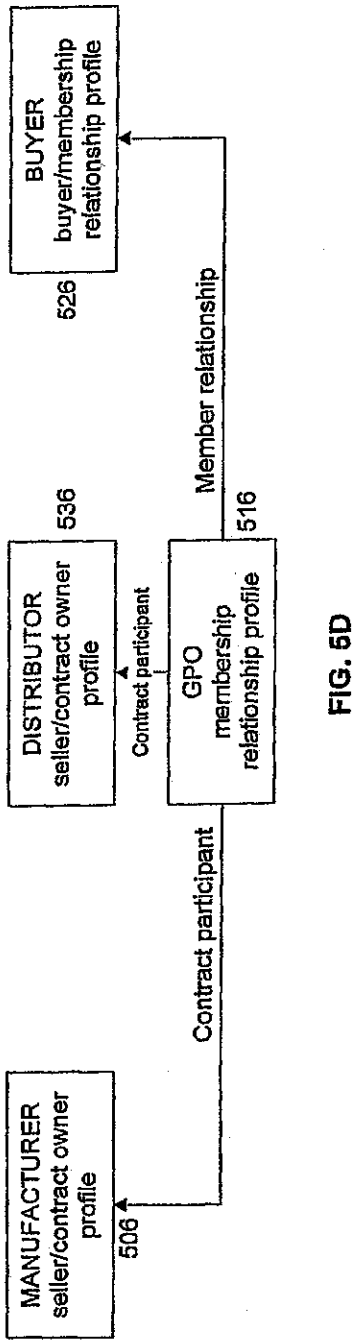

BUYER
buyer/membership
relationship profile
526
536
Member relationship
516
DISTRIBUTOR
seller/contract owner
profile
Contract participant
GPO
membership
relationship profile
Contract participant
MANUFACTURER
seller/contract owner
profile
506

FIG. 5D