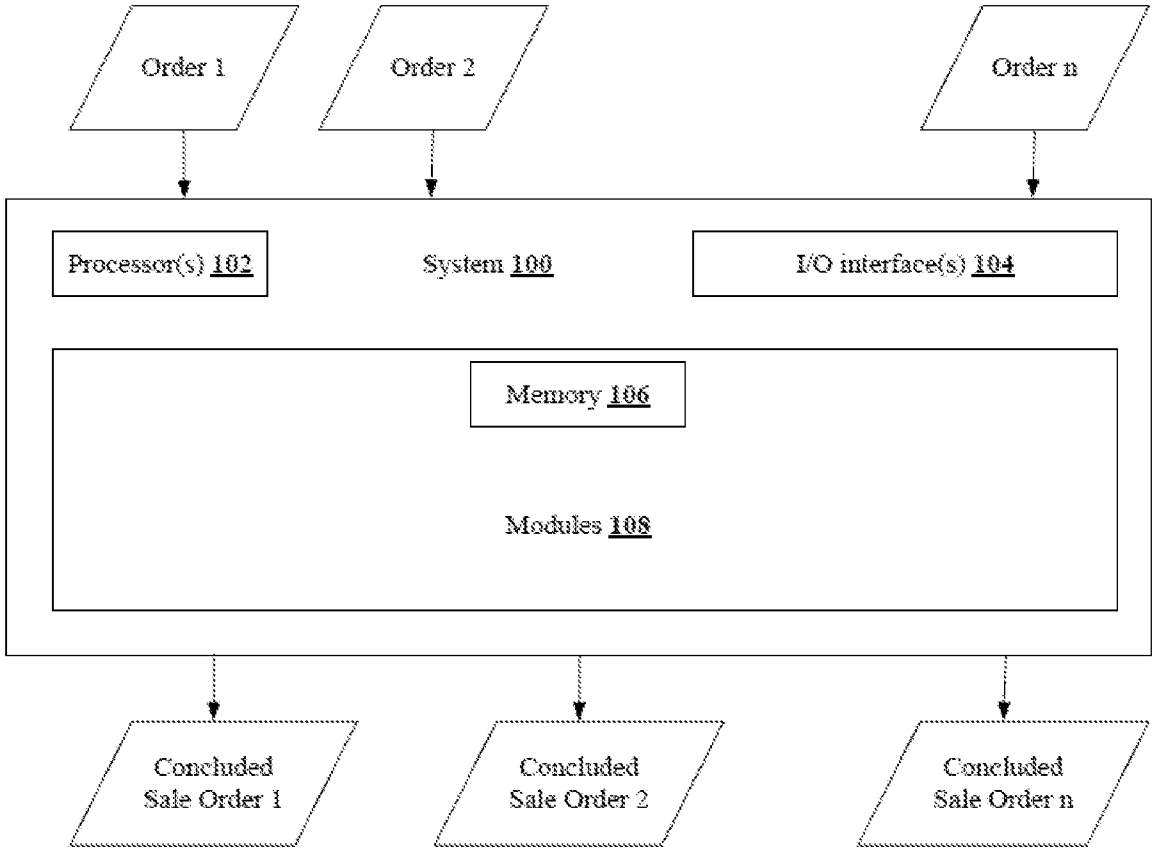

Order 1
Order 2
Order n
Processor(s) 102
System 100
I/O interface(s) 104
Memory 106
Modules 108
Concluded Sale Order 1
Concluded Sale Order 2
Concluded Sale Order n

FIG. 1

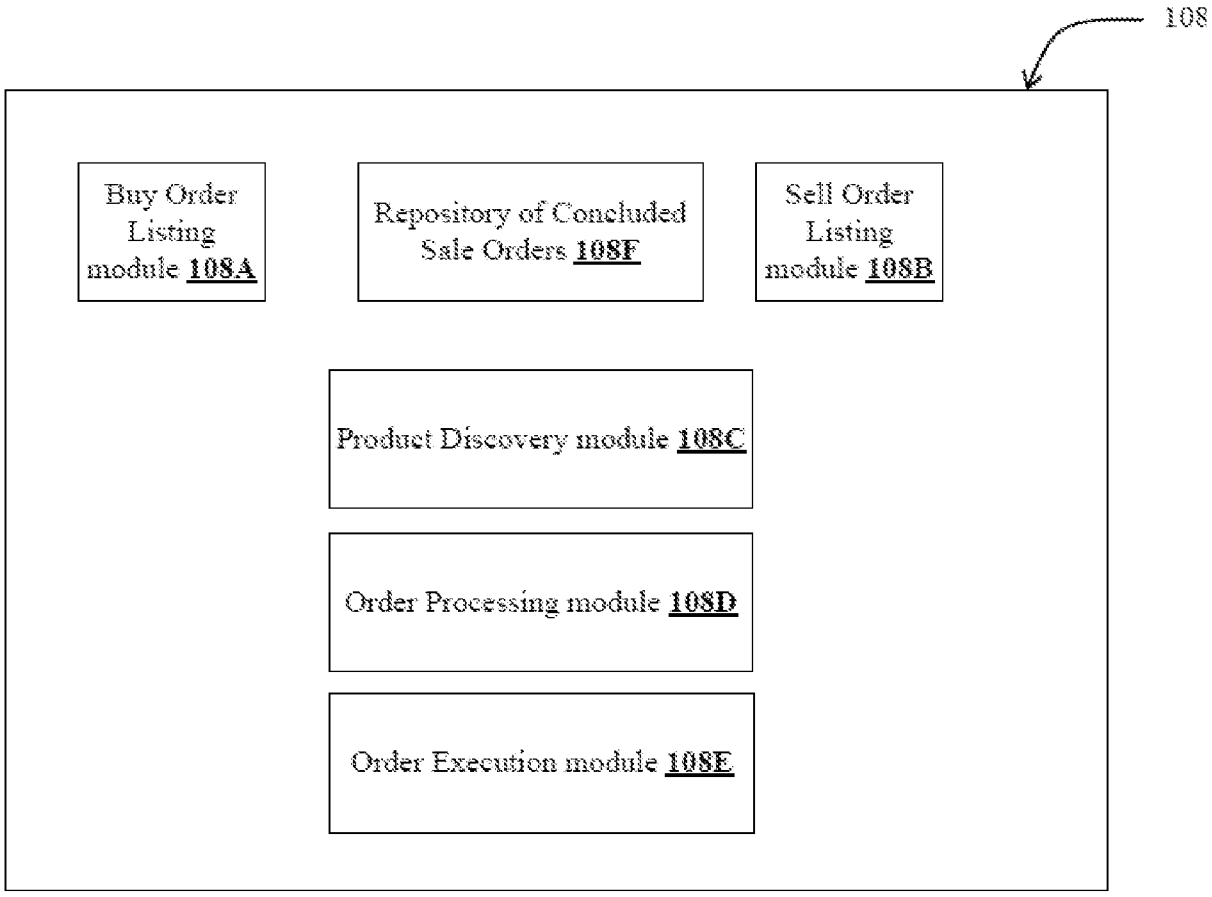

108
Buy Order Listing module 108A
Repository of Concluded Sale Orders 108F
Sell Order Listing module 108B
Product Discovery module 108C
Order Processing module 108D
Order Execution module 108E

FIG.2

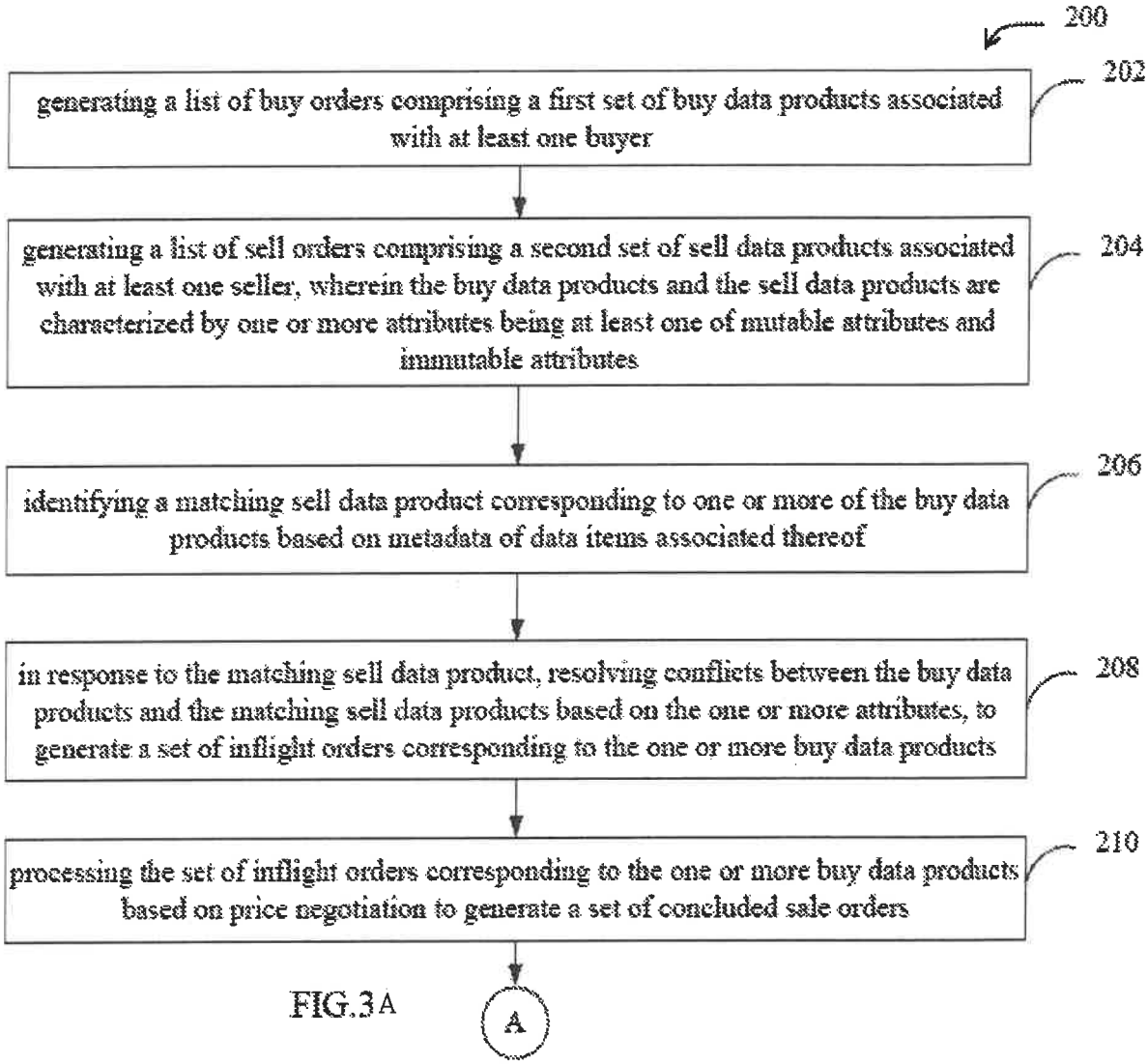

200
generating a list of buy orders comprising a first set of buy data products associated with at least one buyer
202
generating a list of sell orders comprising a second set of sell data products associated with at least one seller, wherein the buy data products and the sell data products are characterized by one or more attributes being at least one of mutable attributes and immutable attributes
204
identifying a matching sell data product corresponding to one or more of the buy data products based on metadata of data items associated thereof
206
in response to the matching sell data product, resolving conflicts between the buy data products and the matching sell data products based on the one or more attributes, to generate a set of inflight orders corresponding to the one or more buy data products
208
processing the set of inflight orders corresponding to the one or more buy data products based on price negotiation to generate a set of concluded sale orders
210
A

FIG.3A

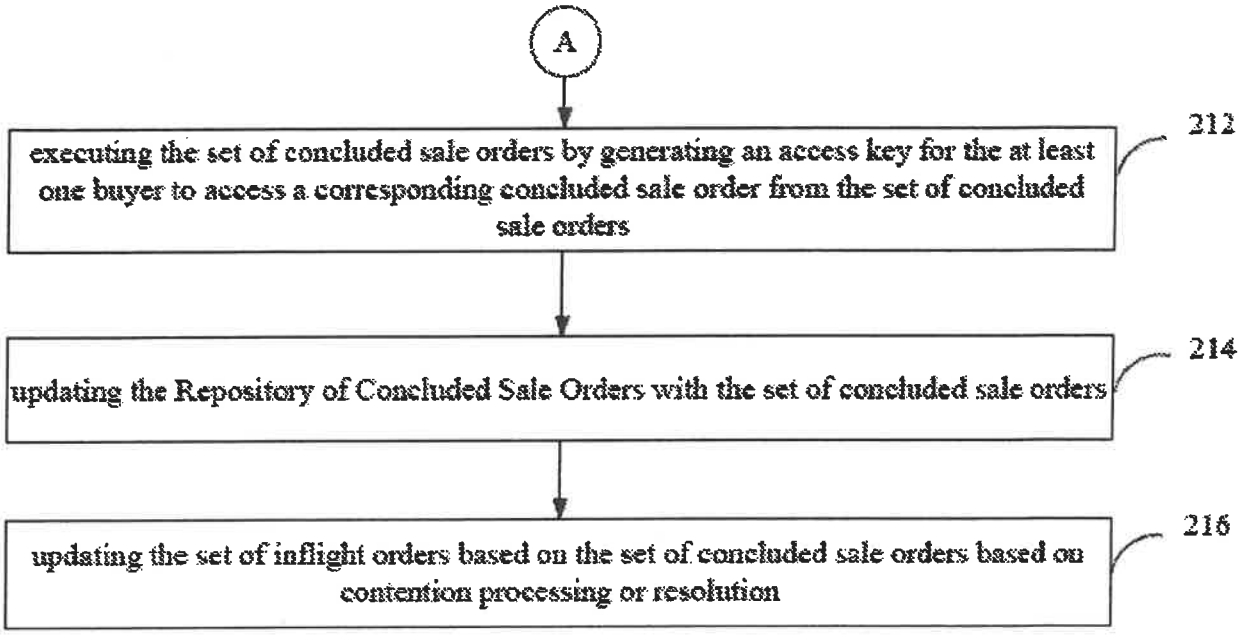

A
executing the set of concluded sale orders by generating an access key for the at least one buyer to access a corresponding concluded sale order from the set of concluded sale orders
212
updating the Repository of Concluded Sale Orders with the set of concluded sale orders
214
updating the set of inflight orders based on the set of concluded sale orders based on contention processing or resolution
216

FIG.3B

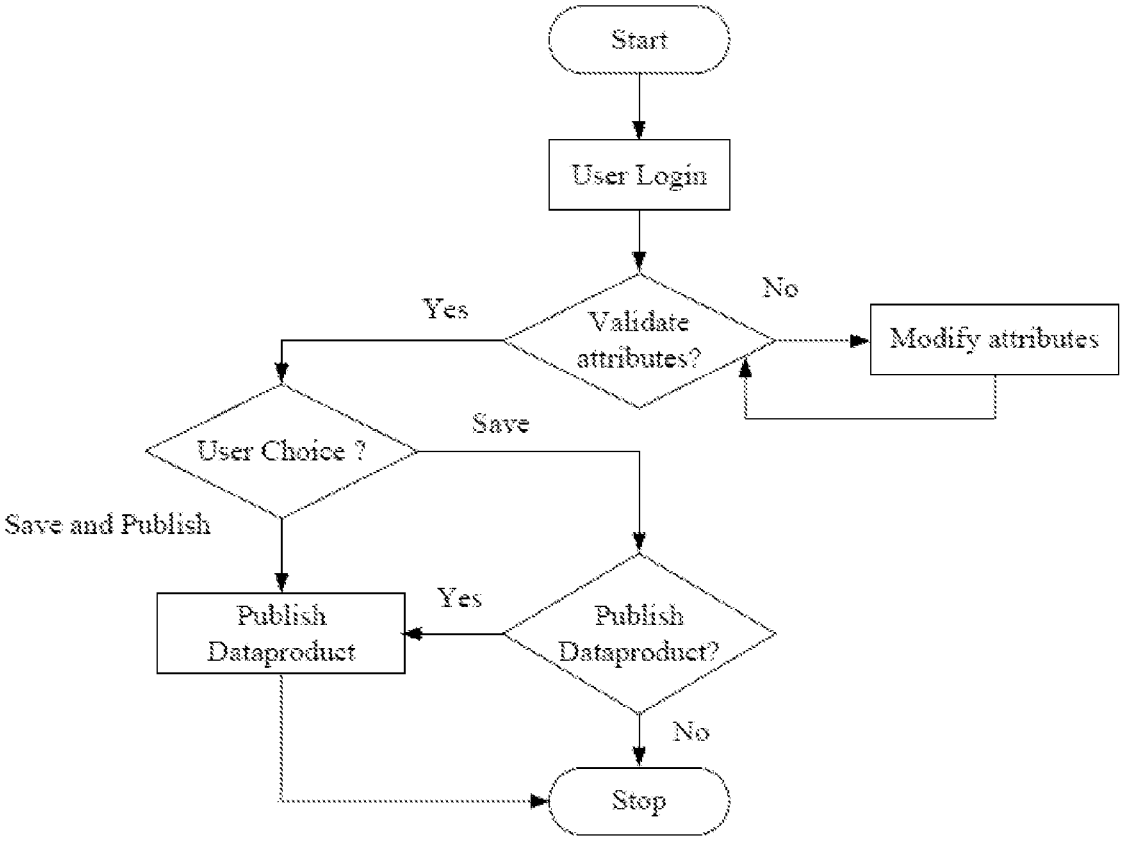

Start
User Login
Validate attributes?
Yes
No
Modify attributes
User Choice ?
Save
Save and Publish
Publish Dataproduct
Yes
Publish Dataproduct?
No
Stop

FIG.4

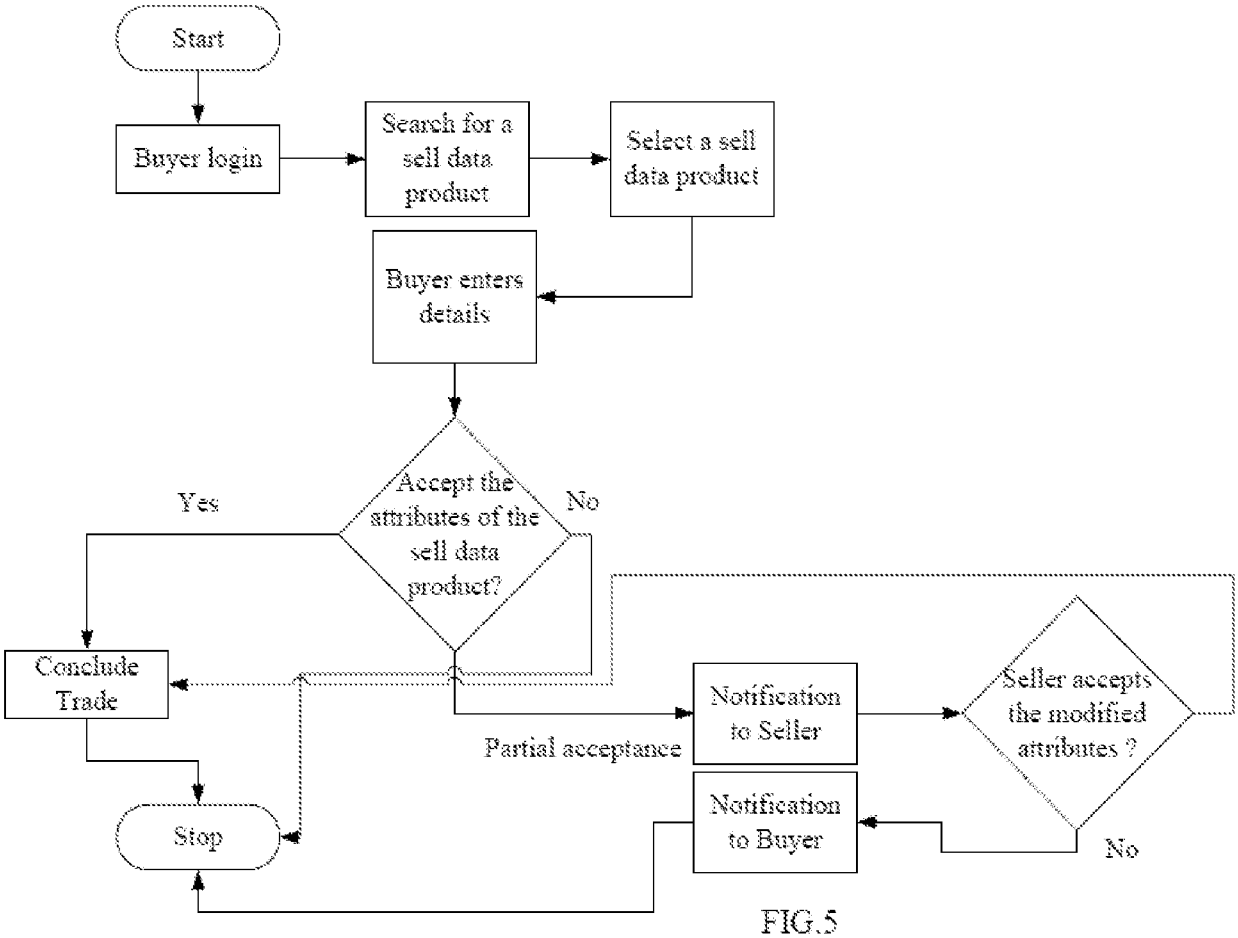

Start
Buyer login
Search for a sell data product
Select a sell data product
Buyer enters details
Accept the attributes of the sell data product?
Yes
No
Conclude Trade
Stop
Partial acceptance
Notification to Seller
Seller accepts the modified attributes ?
Notification to Buyer
No

FIG.5

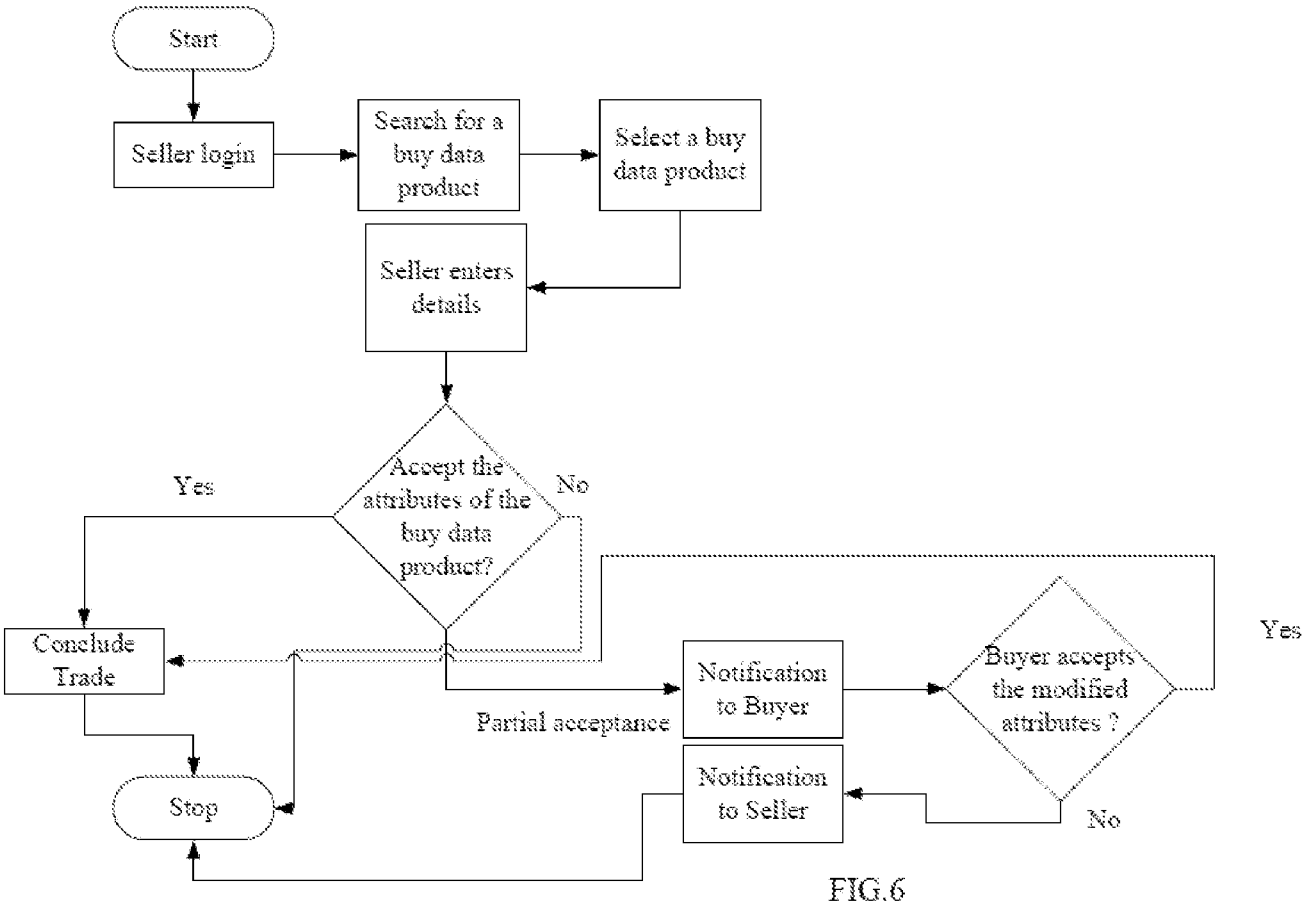

Start
Seller login
Search for a buy data product
Select a buy data product
Seller enters details
Accept the attributes of the buy data product?
Yes
No
Conclude Trade
Stop
Partial acceptance
Notification to Buyer
Buyer accepts the modified attributes ?
Yes
No
Notification to Seller

FIG.6