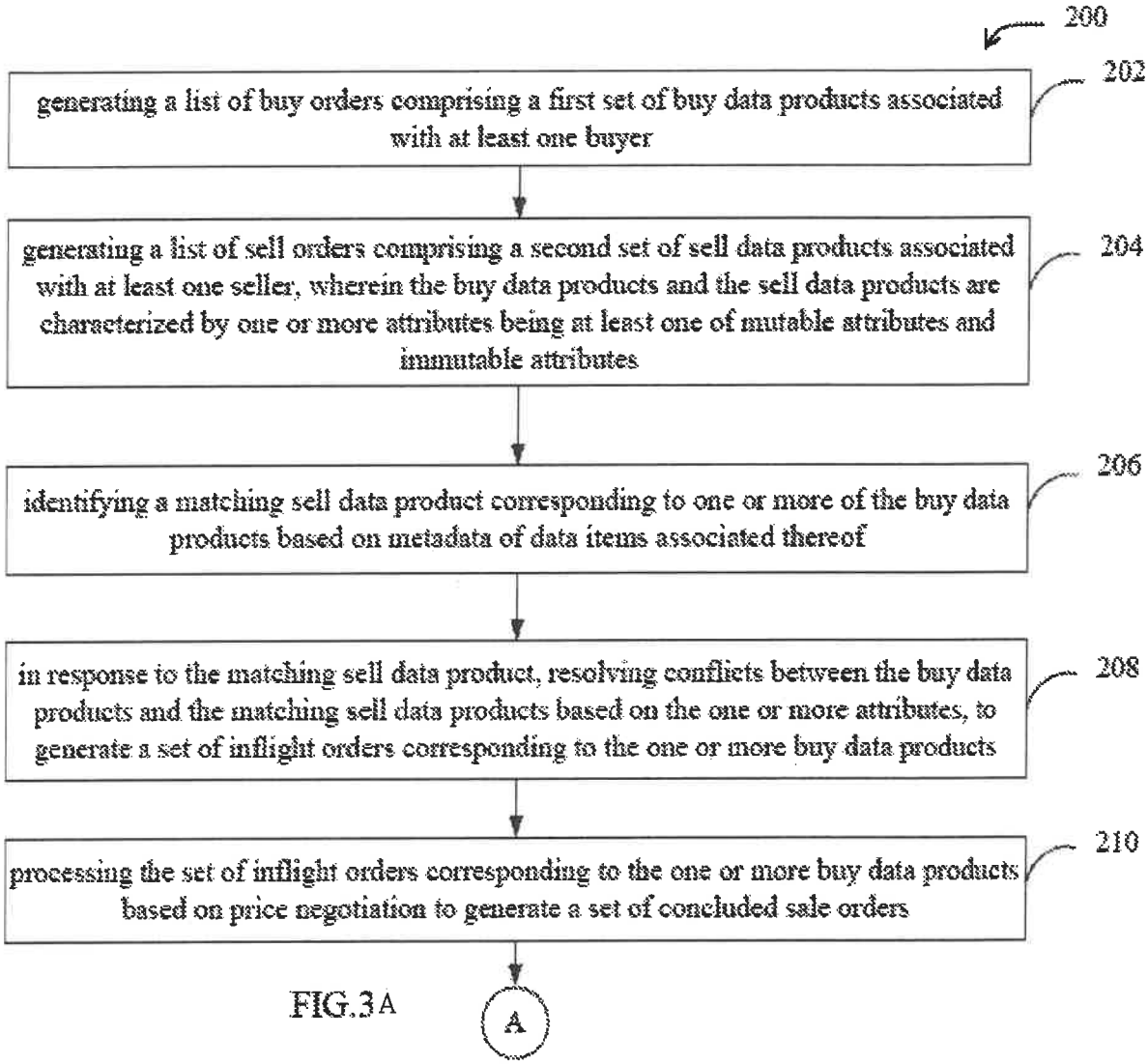

200
generating a list of buy orders comprising a first set of buy data products associated with at least one buyer
202
generating a list of sell orders comprising a second set of sell data products associated with at least one seller, wherein the buy data products and the sell data products are characterized 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

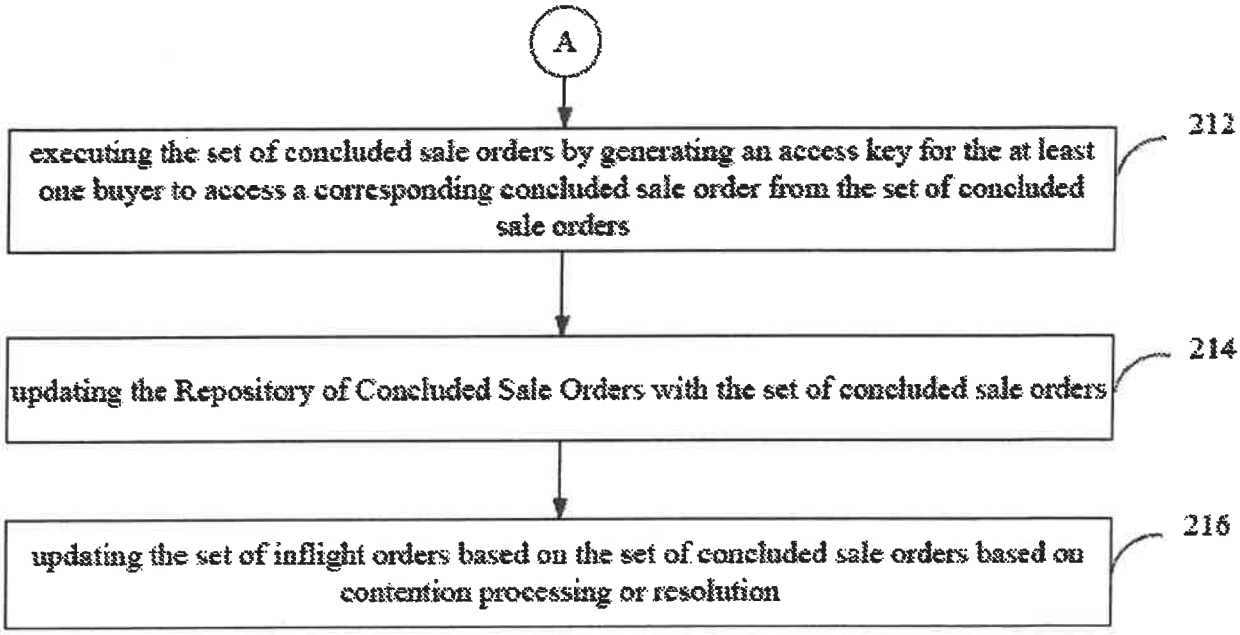

A
executing the set of concluded sale orders by generating an access key for the at least one buyer to access a corresponding concluded sale order from the set of concluded sale orders
212
updating the Repository of Concluded Sale Orders with the set of concluded sale orders
214
updating the set of inflight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

FIG.3B