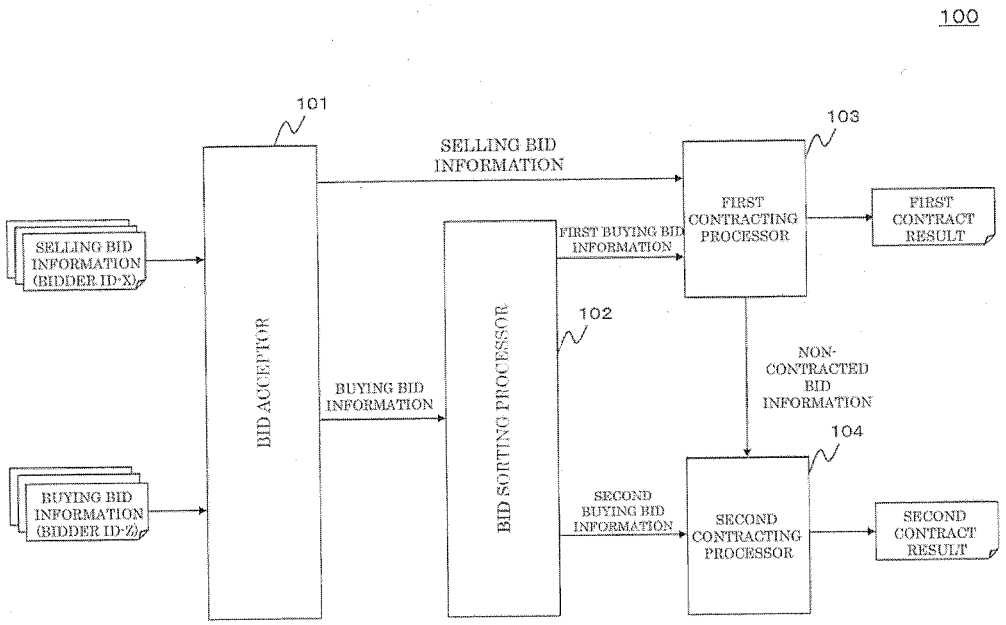

100
101
SELLING BID INFORMATION
103
SELLING BID INFORMATION (BIDDER ID-X)
BID ACCEPTOR
FIRST BUYING BID INFORMATION
FIRST CONTRACTING PROCESSOR
FIRST CONTRACT RESULT
102
BID SORTING PROCESSOR
BUYING BID INFORMATION
NON-CONTRACTED BID INFORMATION
104
BUYING BID INFORMATION (BIDDER ID-Y)
SECOND BUYING BID INFORMATION
SECOND CONTRACTING PROCESSOR
SECOND CONTRACT RESULT

FIG. 1

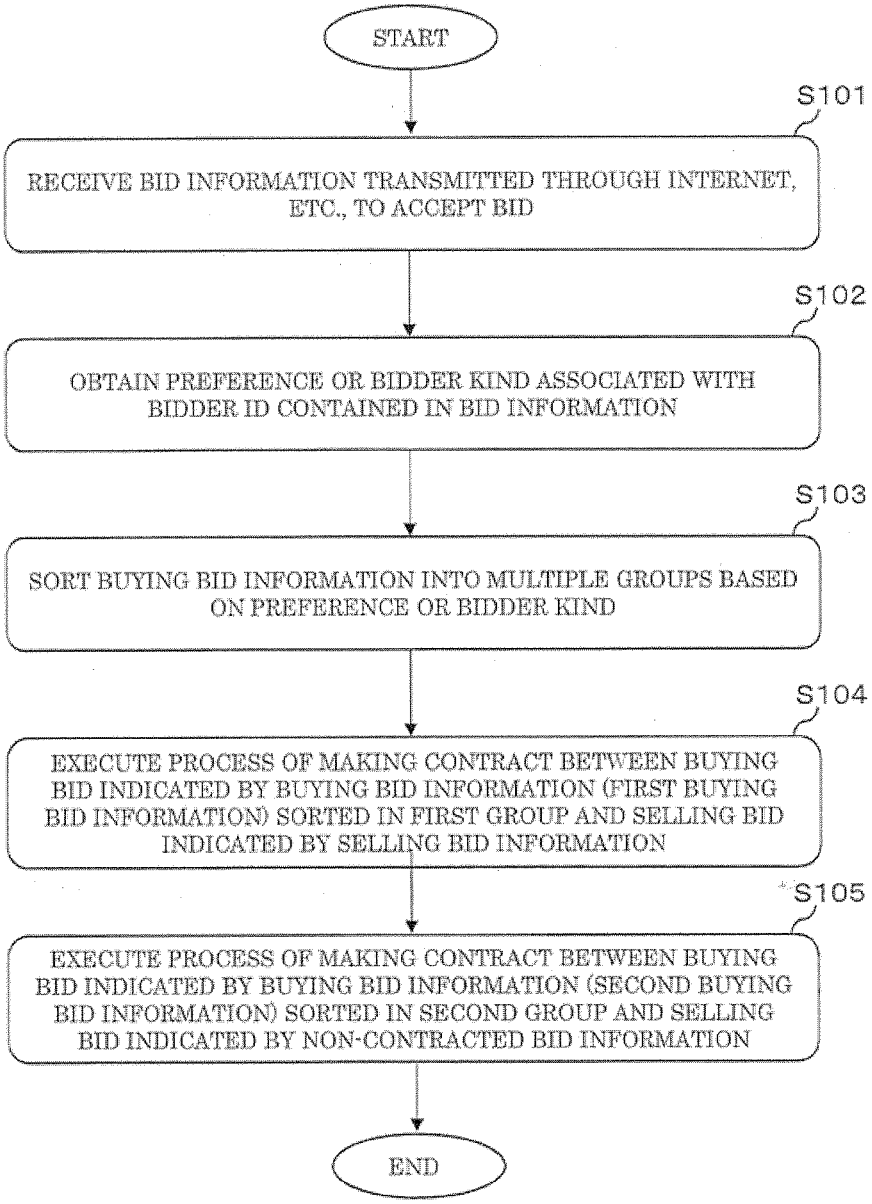

START
S101
RECEIVE BID INFORMATION TRANSMITTED THROUGH INTERNET, ETC., TO ACCEPT BID
S102
OBTAIN PREFERENCE OR BIDDER KIND ASSOCIATED WITH BIDDER ID CONTAINED IN BID INFORMATION
S103
SORT BUYING BID INFORMATION INTO MULTIPLE GROUPS BASED ON PREFERENCE OR BIDDER KIND
S104
EXECUTE PROCESS OF MAKING CONTRACT BETWEEN BUYING BID INDICATED BY BUYING BID INFORMATION (FIRST BUYING BID INFORMATION) SORTED IN FIRST GROUP AND SELLING BID INDICATED BY SELLING BID INFORMATION
S105
EXECUTE PROCESS OF MAKING CONTRACT BETWEEN BUYING BID INDICATED BY BUYING BID INFORMATION (SECOND BUYING BID INFORMATION) SORTED IN SECOND GROUP AND SELLING BID INDICATED BY NON-CONTRACTED BID INFORMATION
END

FIG. 2

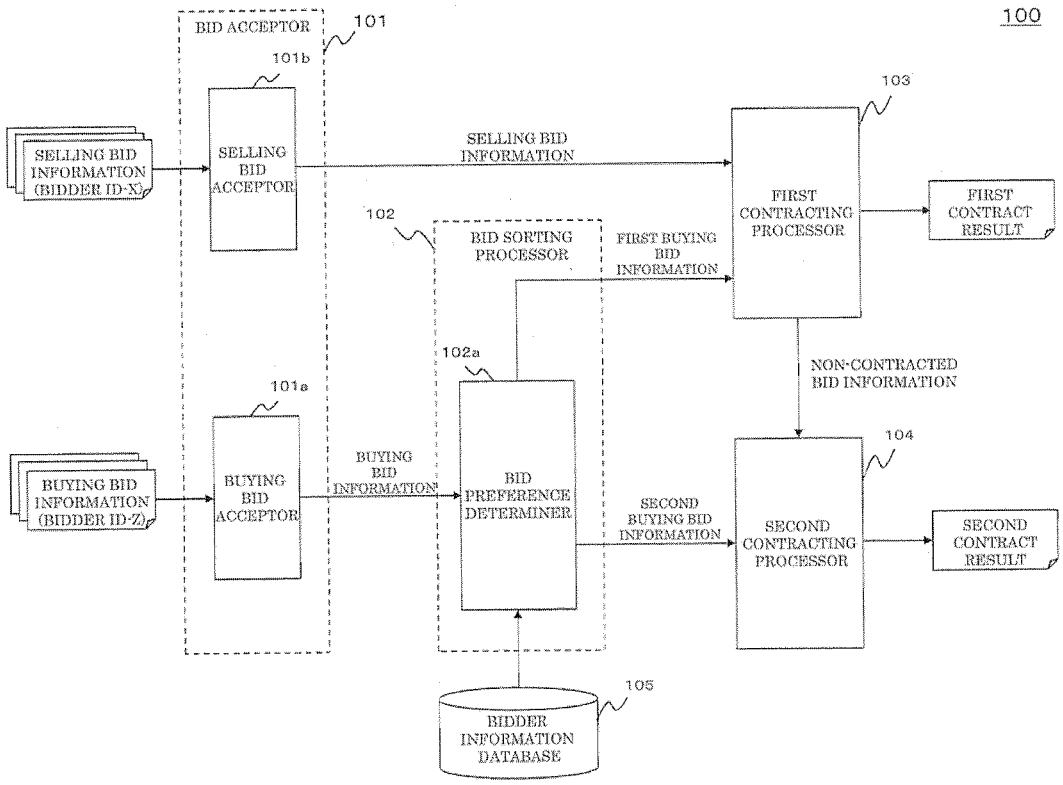

100
BID ACCEPTOR
101
101b
SELLING BID INFORMATION (BIDDER ID-X)
SELLING BID ACCEPTOR
SELLING BID INFORMATION
103
FIRST CONTRACTING PROCESSOR
FIRST CONTRACT RESULT
102
BID SORTING PROCESSOR
FIRST BUYING BID INFORMATION
102a
NON-CONTRACTED BID INFORMATION
101a
BUYING BID INFORMATION (BIDDER ID-Z)
BUYING BID ACCEPTOR
BUYING BID INFORMATION
BID PREFERENCE DETERMINER
SECOND BUYING BID INFORMATION
104
SECOND CONTRACTING PROCESSOR
SECOND CONTRACT RESULT
105
BIDDER INFORMATION DATABASE

FIG. 3

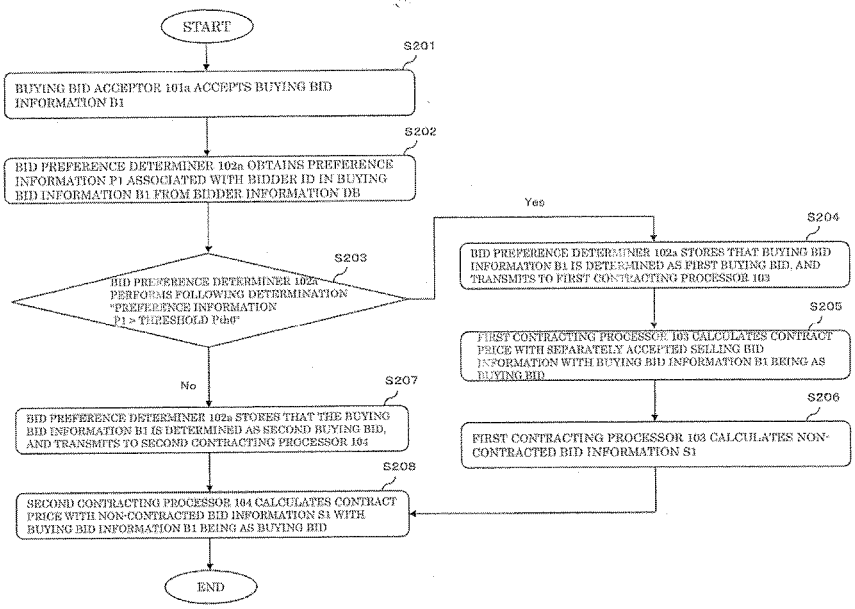


FIG. 4

BIDDER ID	BID TARGET MERCHANDISE KIND	BID TIME SLOT	BID QUANTITY	MAXIMUM BUY-OUT PRICE
Bidder-01	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00/2012-08-20T14:30:00	2000KWh	JP 40 YEN/KWh
Bidder-01	PER-30-MINUTE NEGAWATT	2012-08-20T14:30:00/2012-08-20T15:00:00	2000KWh	JP 40 YEN/KWh
Bidder-1001	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00/2012-08-20T14:30:00	100KWh	JP 50 YEN/KWh
Bidder-1001	PER-30-MINUTE NEGAWATT	2012-08-20T14:30:00/2012-08-20T15:00:00	100KWh	JP 50 YEN/KWh
Bidder-1002	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00/2012-08-20T14:30:00	200KWh	JP 30 YEN/KWh
Bidder-1002	PER-30-MINUTE NEGAWATT	2012-08-20T14:30:00/2012-08-20T15:00:00	200KWh	JP 30 YEN/KWh
...	...	...	...	...

FIG. 5

BIDDER ID	BIDDER KIND	BUYING BID PREFERENCE
Bidder-01	GENERAL ELECTRIC POWER SUPPLIER	100
Bidder-1001	LARGE CONSUMER	10
Bidder-1002	LARGE CONSUMER	10
Bidder-1003	LARGE CONSUMER	10
...	...	...

FIG. 6

BIDDER ID	BID TARGET MERCHANDISE KIND	BID TIME SLOT	BID QUANTITY	MINIMUM SELLING PRICE
Bidder-2001	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00/2012-08-20T14:30:00	150KWh	JP 30 YEN/KWh
Bidder-2001	PER-30-MINUTE NEGAWATT	2012-08-20T14:30:00/2012-08-20T15:00:00	150KWh	JP 30 YEN/KWh
Bidder-2002	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00/2012-08-20T14:30:00	200KWh	JP 20 YEN/KWh
Bidder-2002	PER-30-MINUTE NEGAWATT	2012-08-20T14:30:00/2012-08-20T15:00:00	200KWh	JP 20 YEN/KWh
Bidder-2003	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00/2012-08-20T14:30:00	100KWh	JP 40 YEN/KWh
Bidder-2003	PER-30-MINUTE NEGAWATT	2012-08-20T14:30:00/2012-08-20T15:00:00	100KWh	JP 40 YEN/KWh
...	...	...	...	...

FIG. 7

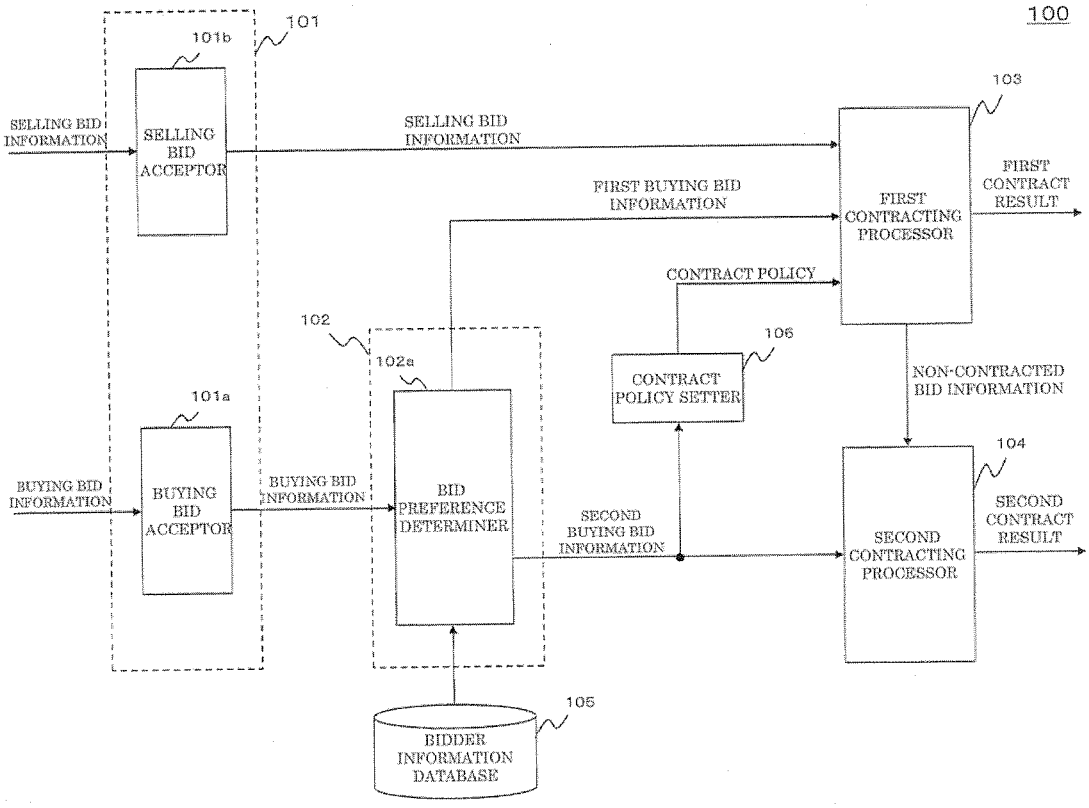

100
101
101b
SELLING BID INFORMATION
SELLING BID ACCEPTOR
SELLING BID INFORMATION
103
FIRST BUYING BID INFORMATION
FIRST CONTRACTING PROCESSOR
FIRST CONTRACT RESULT
CONTRACT POLICY
102
102a
106
CONTRACT POLICY SETTER
NON-CONTRACTED BID INFORMATION
101a
BUYING BID INFORMATION
BUYING BID ACCEPTOR
BUYING BID INFORMATION
BID PREFERENCE DETERMINER
SECOND BUYING BID INFORMATION
104
SECOND CONTRACTING PROCESSOR
SECOND CONTRACT RESULT
105
BIDDER INFORMATION DATABASE

FIG. 8

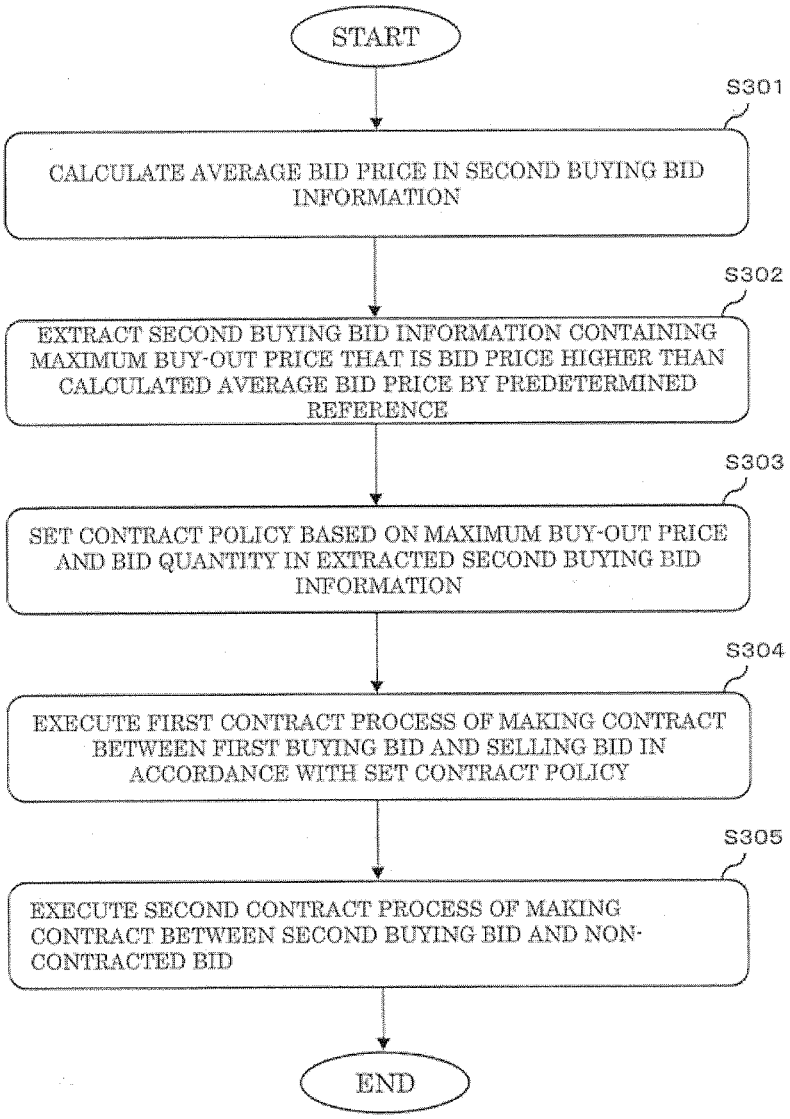

START
S301
CALCULATE AVERAGE BID PRICE IN SECOND BUYING BID INFORMATION
S302
EXTRACT SECOND BUYING BID INFORMATION CONTAINING MAXIMUM BUY-OUT PRICE THAT IS BID PRICE HIGHER THAN CALCULATED AVERAGE BID PRICE BY PREDETERMINED REFERENCE
S303
SET CONTRACT POLICY BASED ON MAXIMUM BUY-OUT PRICE AND BID QUANTITY IN EXTRACTED SECOND BUYING BID INFORMATION
S304
EXECUTE FIRST CONTRACT PROCESS OF MAKING CONTRACT BETWEEN FIRST BUYING BID AND SELLING BID IN ACCORDANCE WITH SET CONTRACT POLICY
S305
EXECUTE SECOND CONTRACT PROCESS OF MAKING CONTRACT BETWEEN SECOND BUYING BID AND NON-CONTRACTED BID
END

FIG. 9

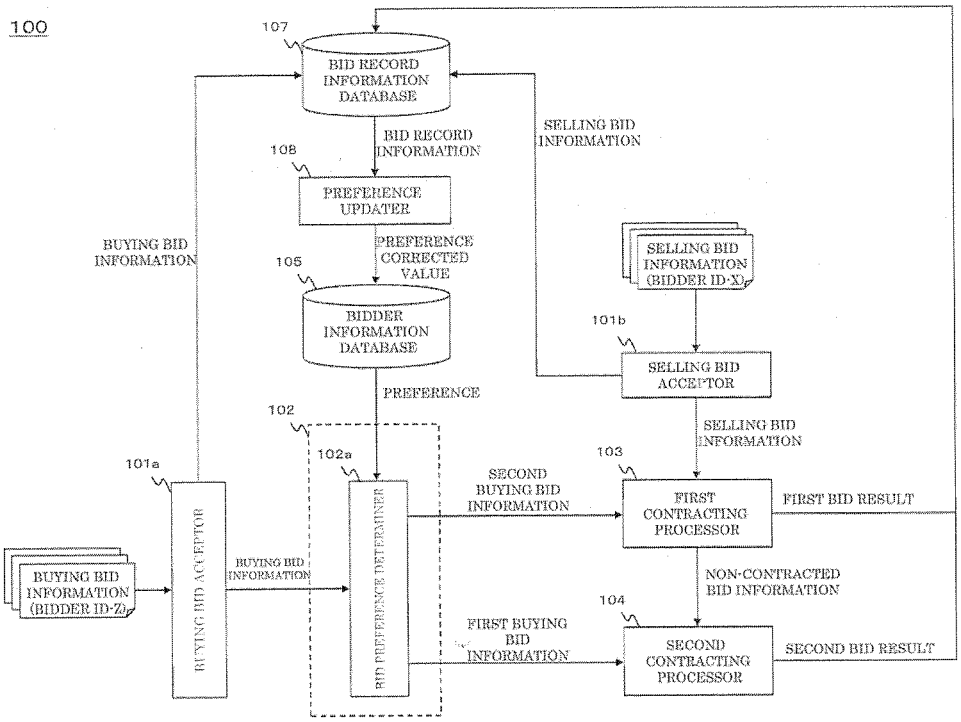

100
107
BID RECORD INFORMATION DATABASE
BID RECORD INFORMATION
SELLING BID INFORMATION
108
PREFERENCE UPDATER
PREFERENCE CORRECTED VALUE
BUYING BID INFORMATION
105
BIDDER INFORMATION DATABASE
SELLING BID INFORMATION (BIDDER ID-X)
101b
SELLING BID ACCEPTOR
PREFERENCE
102
SELLING BID INFORMATION
101a
102a
103
SECOND BUYING BID INFORMATION
FIRST CONTRACTING PROCESSOR
FIRST BID RESULT
BUYING BID INFORMATION (BIDDER ID-Z)
BUYING BID ACCEPTOR
BUYING BID INFORMATION
BID PREFERENCE DETERMINER
NON-CONTRACTED BID INFORMATION
104
FIRST BUYING BID INFORMATION
SECOND CONTRACTING PROCESSOR
SECOND BID RESULT

FIG. 10

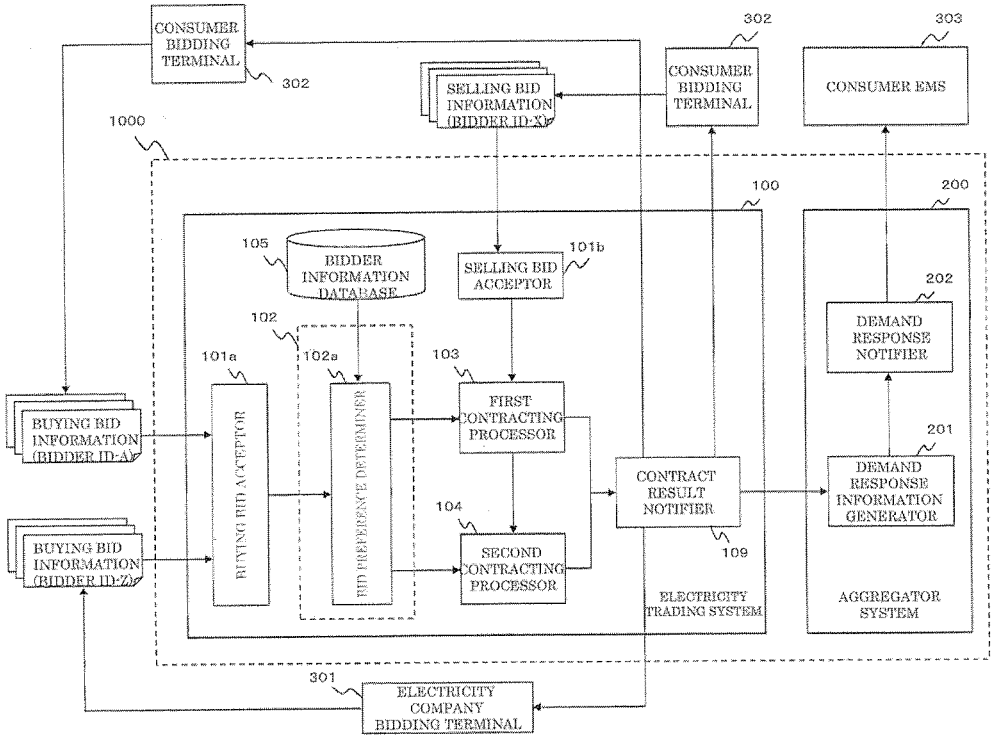

CONSUMER BIDDING TERMINAL
302
SELLING BID INFORMATION (BIDDER ID-X)
302
CONSUMER BIDDING TERMINAL
303
CONSUMER EMS
1000
100
200
105
BIDDER INFORMATION DATABASE
101b
SELLING BID ACCEPTOR
202
DEMAND RESPONSE NOTIFIER
102
101a
102a
103
BUYING BID INFORMATION (BIDDER ID-A)
BUYING BID ACCEPTOR
BID PREFERENCE DETERMINER
FIRST CONTRACTING PROCESSOR
201
CONTRACT RESULT NOTIFIER
DEMAND RESPONSE INFORMATION GENERATOR
104
BUYING BID INFORMATION (BIDDER ID-Z)
SECOND CONTRACTING PROCESSOR
109
ELECTRICITY TRADING SYSTEM
AGGREGATOR SYSTEM
301
ELECTRICITY COMPANY BIDDING TERMINAL

FIG. 11

BIDDER ID	BID KIND	BID TARGET MERCHANDISE KIND	BID TIME SLOT	SUCCESSFUL BID QUANTITY	SUCCESSFUL BID PRICE
Bidder-2001	SELLING BID	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00 /2012-08-20T14:30:00	150KWh	JP 40 YEN/KWh
Bidder-2002	SELLING BID	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00 /2012-08-20T14:30:00	200KWh	JP 40 YEN/KWh
Bidder-2003	SELLING BID	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00 /2012-08-20T14:30:00	100KWh	JP 40 YEN/KWh
Bidder-01	BUYING BID	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00 /2012-08-20T14:30:00	2000KWh	JP 40 YEN/KWh
Bidder-1001	BUYING BID	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00 /2012-08-20T14:30:00	100KWh	JP 50 YEN/KWh
Bidder-1002	BUYING BID	PER-30-MINUTE NEGAWATT	2012-08-20T14:00:00 /2012-08-20T14:30:00	200KWh	JP 50 YEN/KWh
...		...	...	...	...

FIG. 12

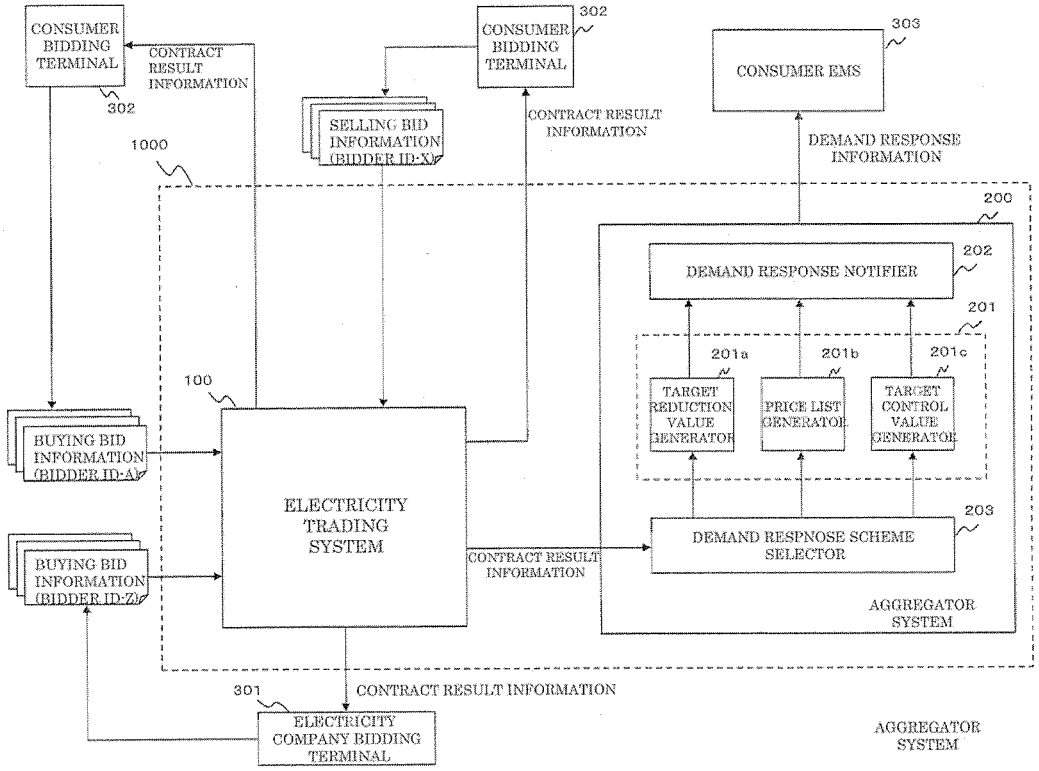


FIG. 13

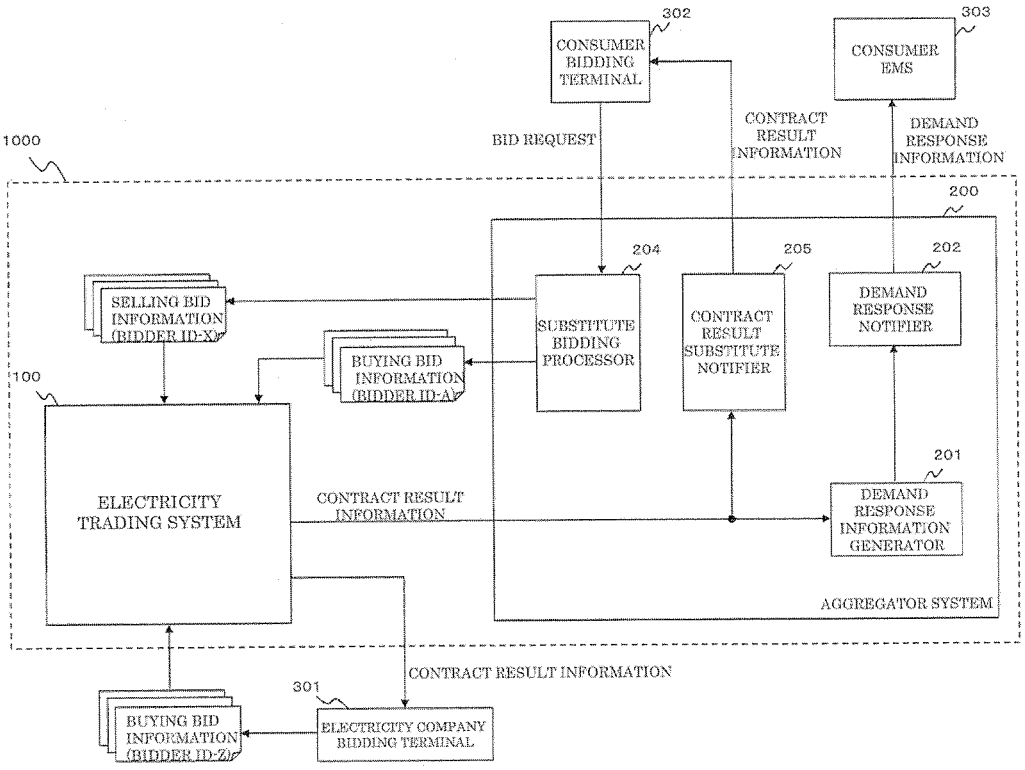

1000
302
CONSUMER BIDDING TERMINAL
303
CONSUMER EMS
BID REQUEST
CONTRACT RESULT INFORMATION
DEMAND RESPONSE INFORMATION
200
204
205
202
SELLING BID INFORMATION (BIDDER ID-X)
BUYING BID INFORMATION (BIDDER ID-A)
SUBSTITUTE BIDDING PROCESSOR
CONTRACT RESULT SUBSTITUTE NOTIFIER
DEMAND RESPONSE NOTIFIER
100
201
ELECTRICITY TRADING SYSTEM
CONTRACT RESULT INFORMATION
DEMAND RESPONSE INFORMATION GENERATOR
AGGREGATOR SYSTEM
CONTRACT RESULT INFORMATION
301
BUYING BID INFORMATION (BIDDER ID-Z)
ELECTRICITY COMPANY BIDDING TERMINAL

FIG. 14