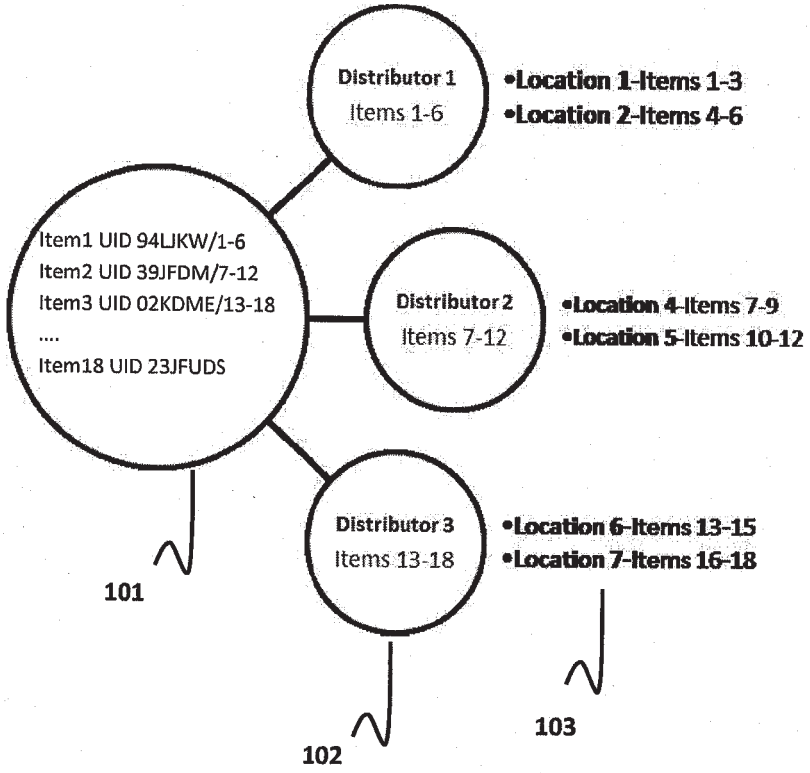
Distributor 1
Items 1-6
•Location 1-Items 1-3
•Location 2-Items 4-6
Item1 UID 94LJKW/1-6
Item2 UID 39JFDM/7-12
Item3 UID 02KDME/13-18
....
Item18 UID 23JFUDS
Distributor 2
Items 7-12
•Location 4-Items 7-9
•Location 5-Items 10-12
Distributor 3
Items 13-18
•Location 6-Items 13-15
•Location 7-Items 16-18
101
102
103

Figure 1

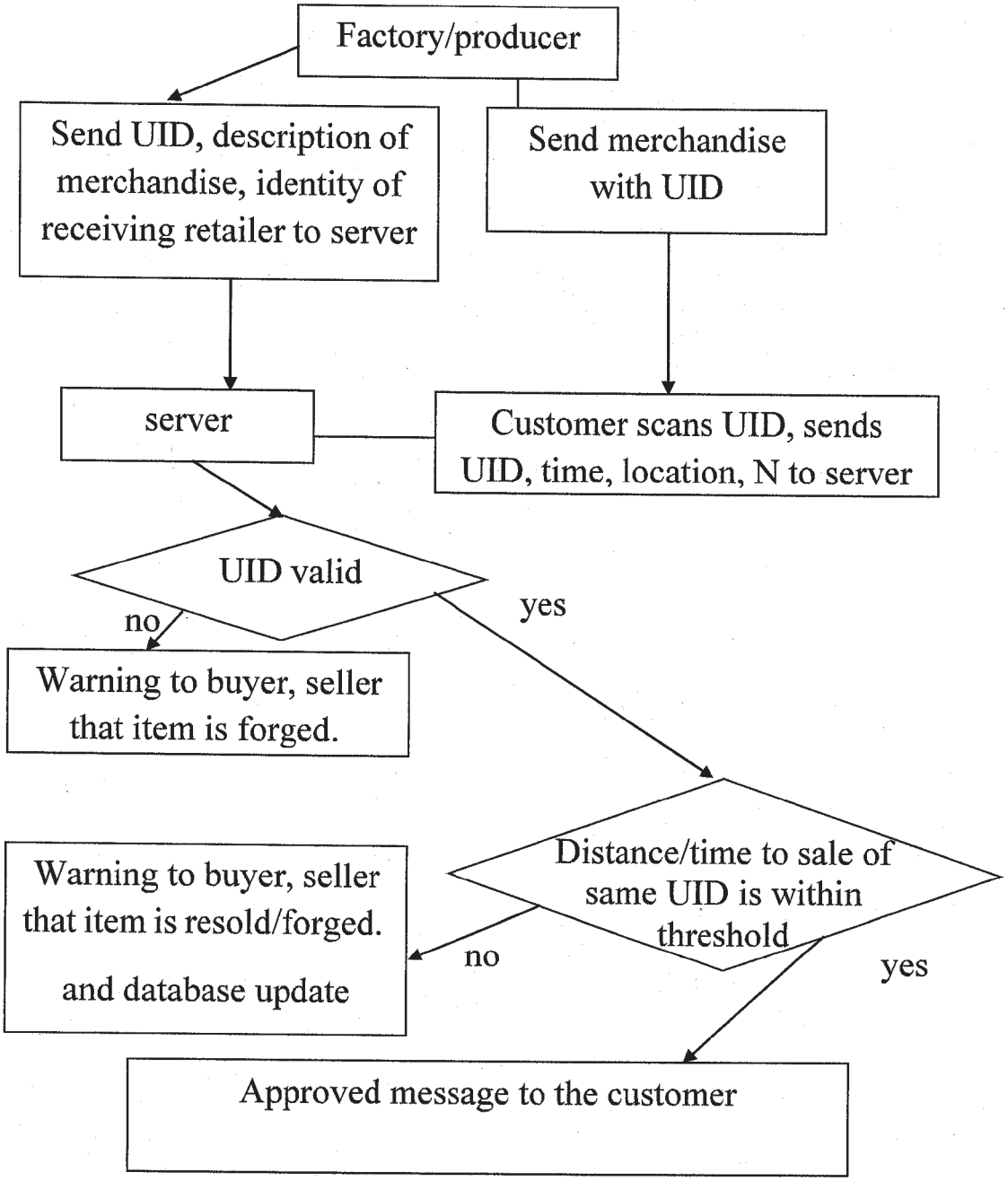
Factory/producer
Send UID, description of merchandise, identity of receiving retailer to server
Send merchandise with UID
server
Customer scans UID, sends UID, time, location, N to server
UID valid
no
yes
Warning to buyer, seller that item is forged.
Distance/time to sale of same UID is within threshold
Warning to buyer, seller that item is resold/forged.
and database update
no
yes
Approved message to the customer

Figure 2