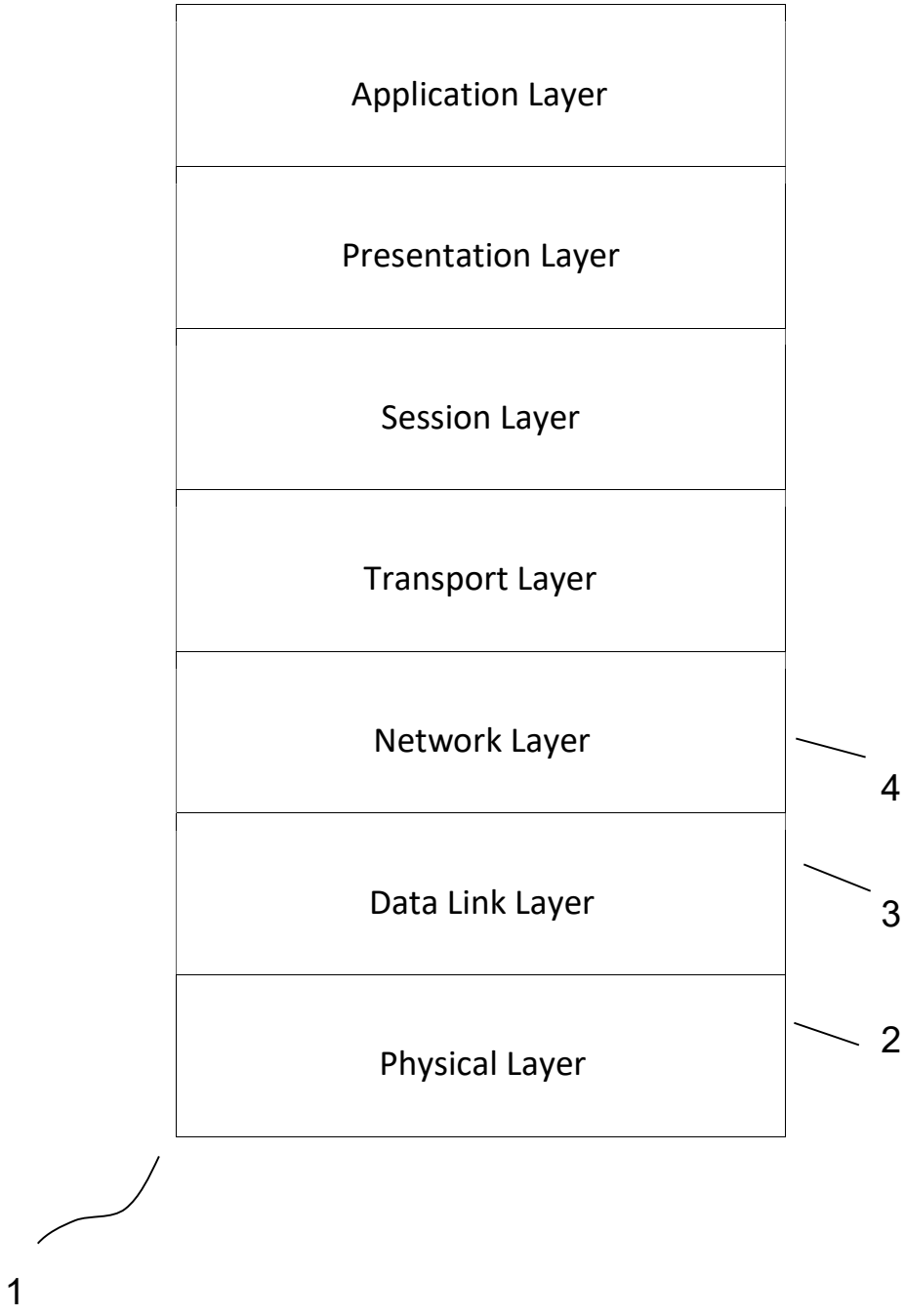
Application Layer
Presentation Layer
Session Layer
Transport Layer
Network Layer
Data Link Layer
Physical Layer
4
3
2
1

Fig. 1

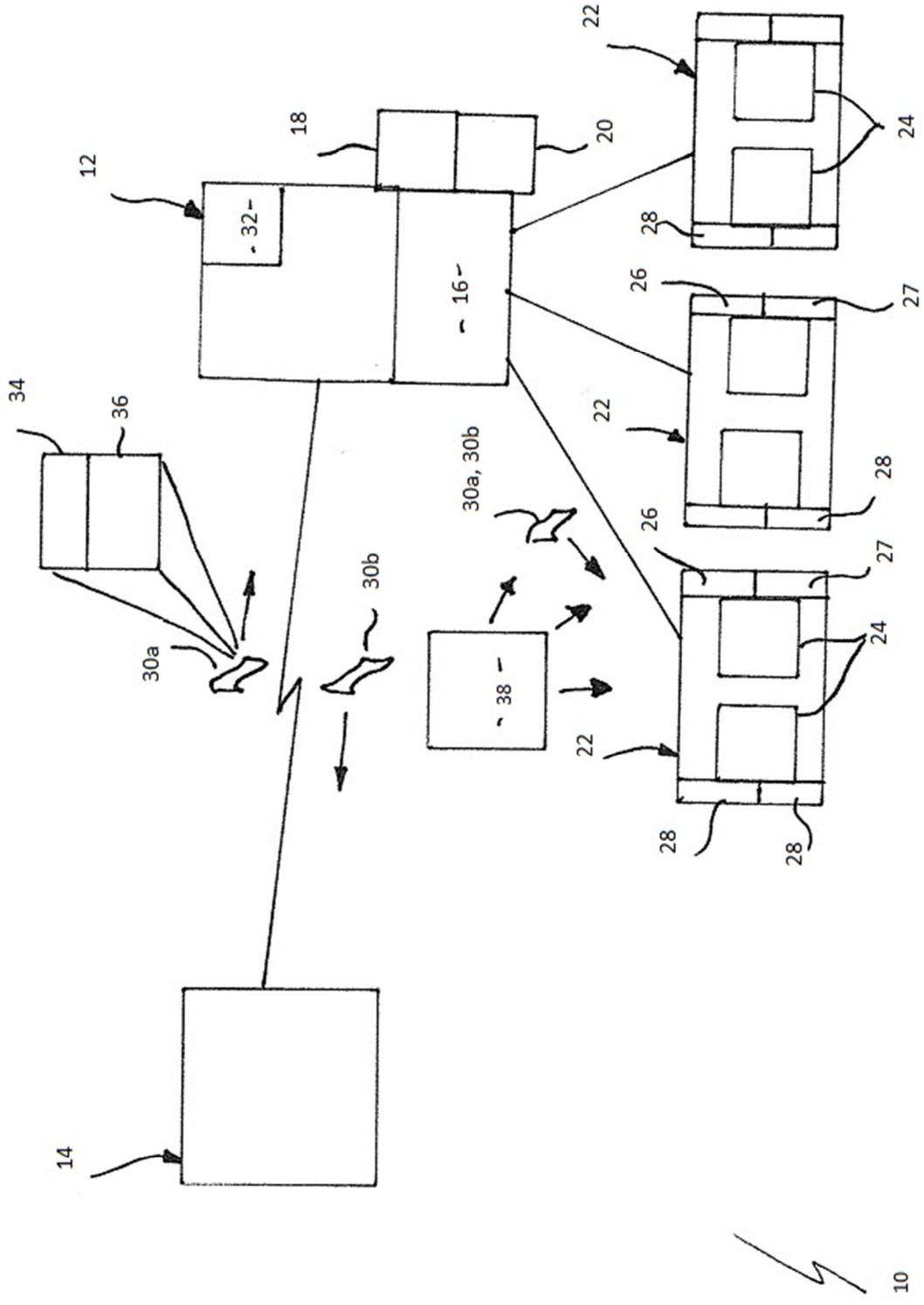
22
18
20
24
12
32
16
28
26
27
34
36
22
30a, 30b
28
26
27
30b
30a
38
24
22
28
28
14
10

Fig. 2

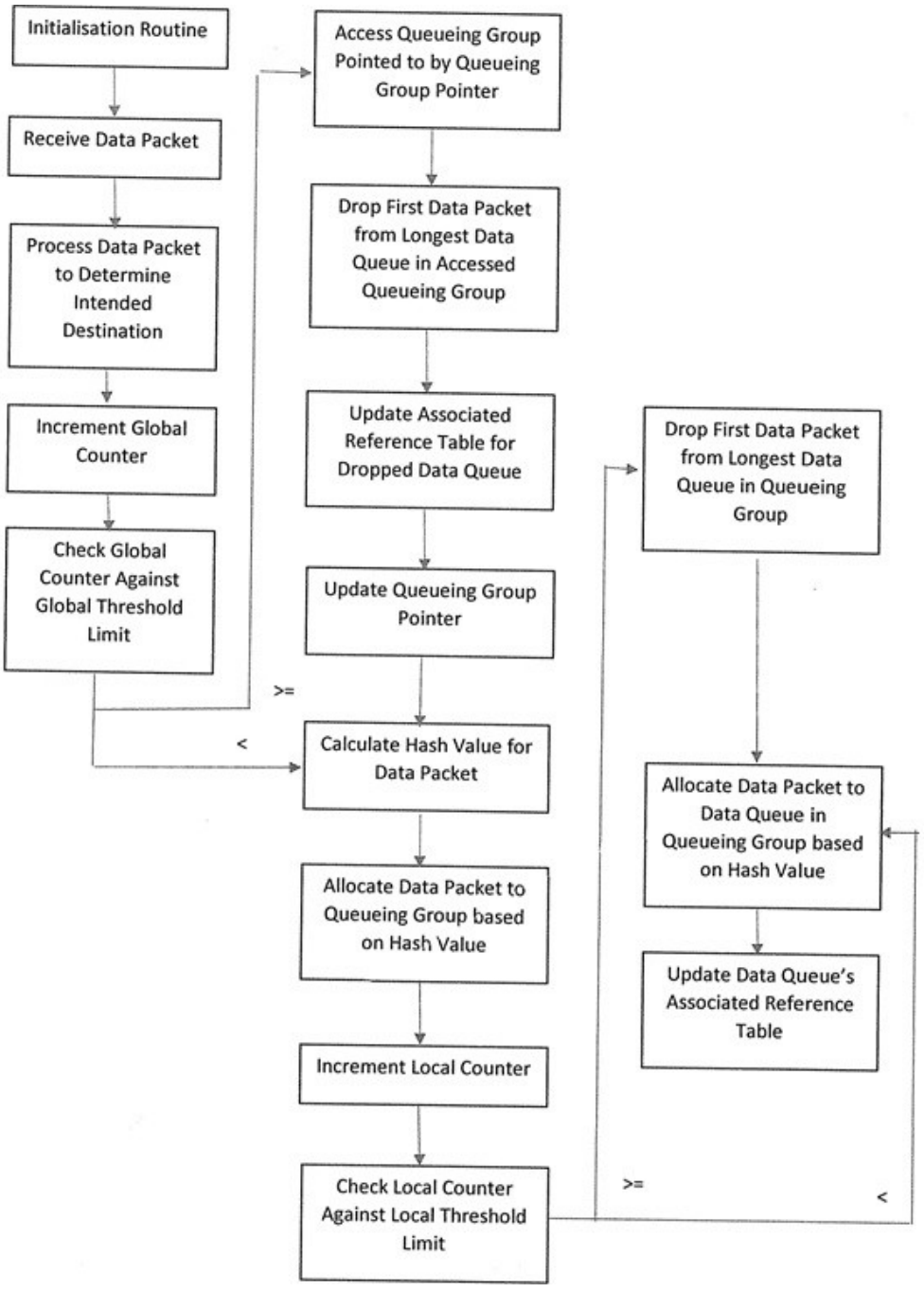
Initialisation Routine
Receive Data Packet
Process Data Packet to Determine Intended Destination
Increment Global Counter
Check Global Counter Against Global Threshold Limit
>=
<
Access Queueing Group Pointed to by Queueing Group Pointer
Drop First Data Packet from Longest Data Queue in Accessed Queueing Group
Update Associated Reference Table for Dropped Data Queue
Update Queueing Group Pointer
Calculate Hash Value for Data Packet
Allocate Data Packet to Queueing Group based on Hash Value
Increment Local Counter
Check Local Counter Against Local Threshold Limit
>=
<
Drop First Data Packet from Longest Data Queue in Queueing Group
Allocate Data Packet to Data Queue in Queueing Group based on Hash Value
Update Data Queue's Associated Reference Table

Fig. 3

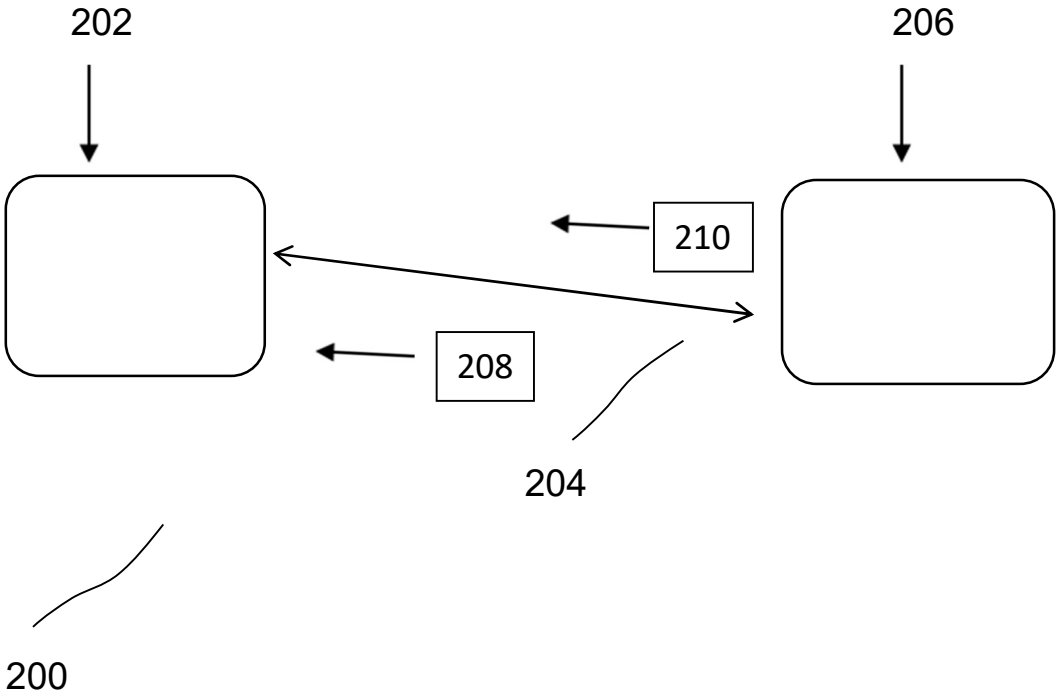

Fig. 4

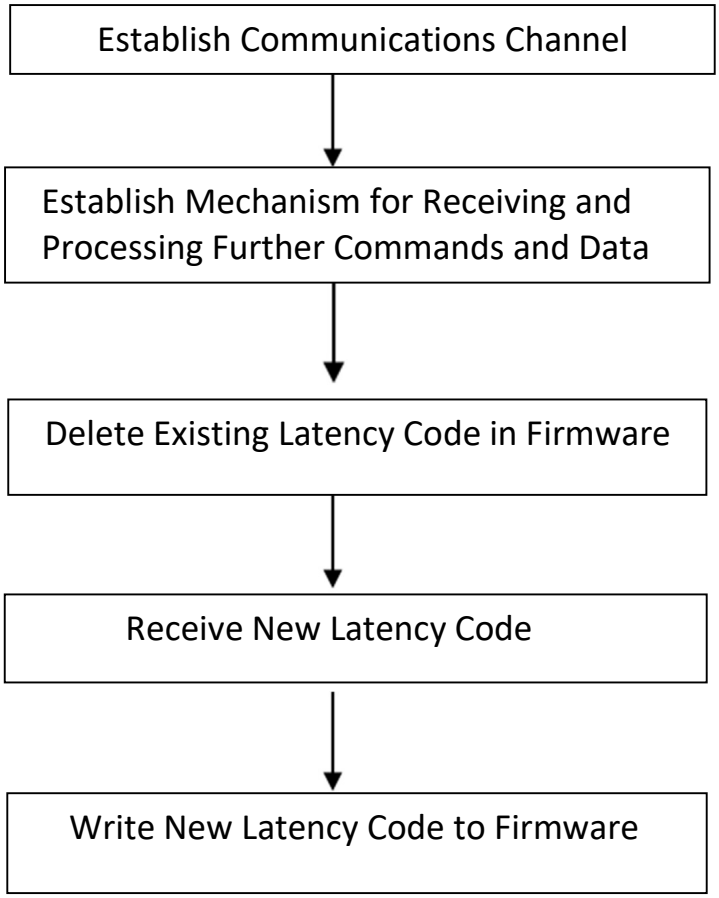
Establish Communications Channel
Establish Mechanism for Receiving and Processing Further Commands and Data
Delete Existing Latency Code in Firmware
Receive New Latency Code
Write New Latency Code to Firmware

Fig. 5