

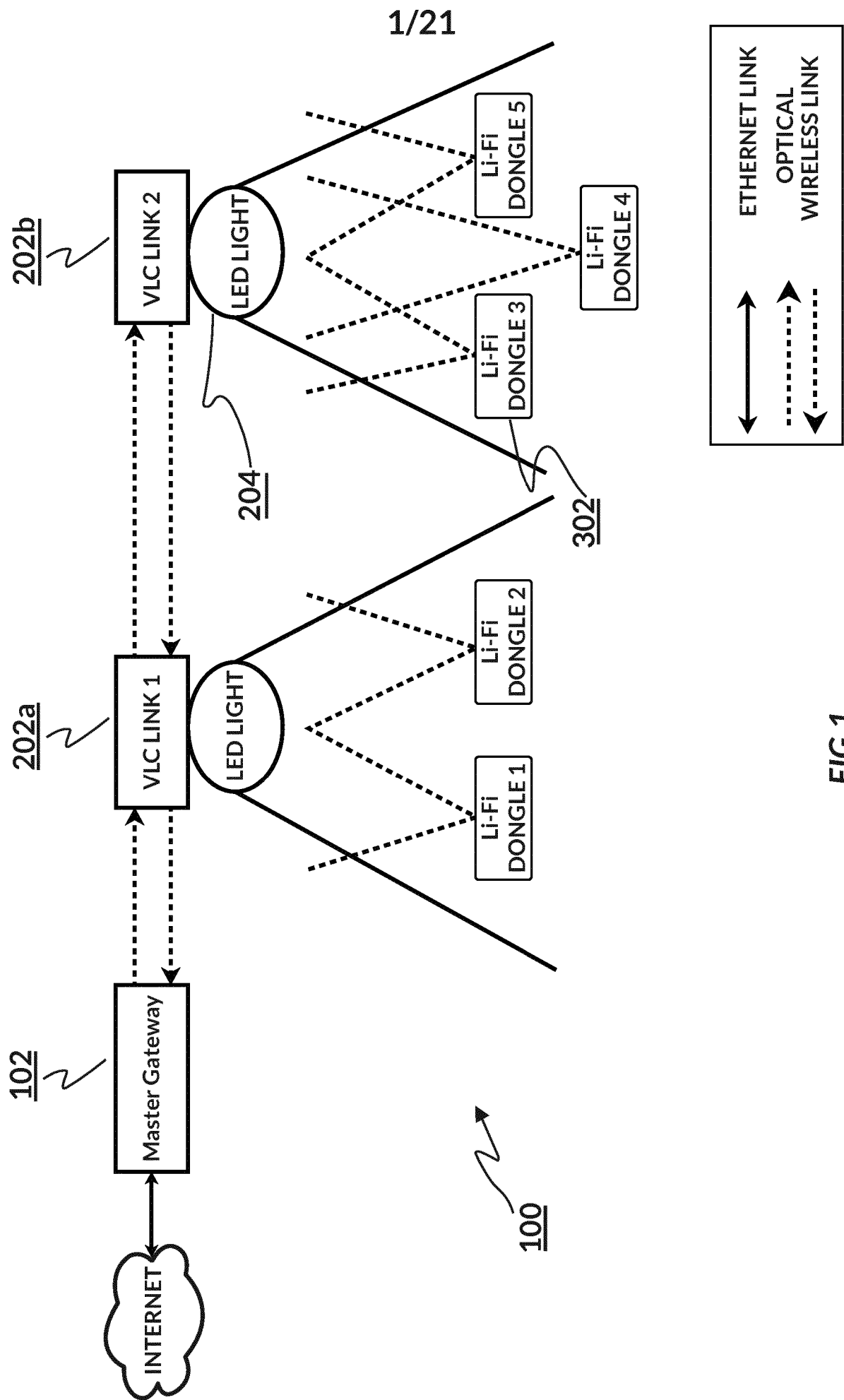
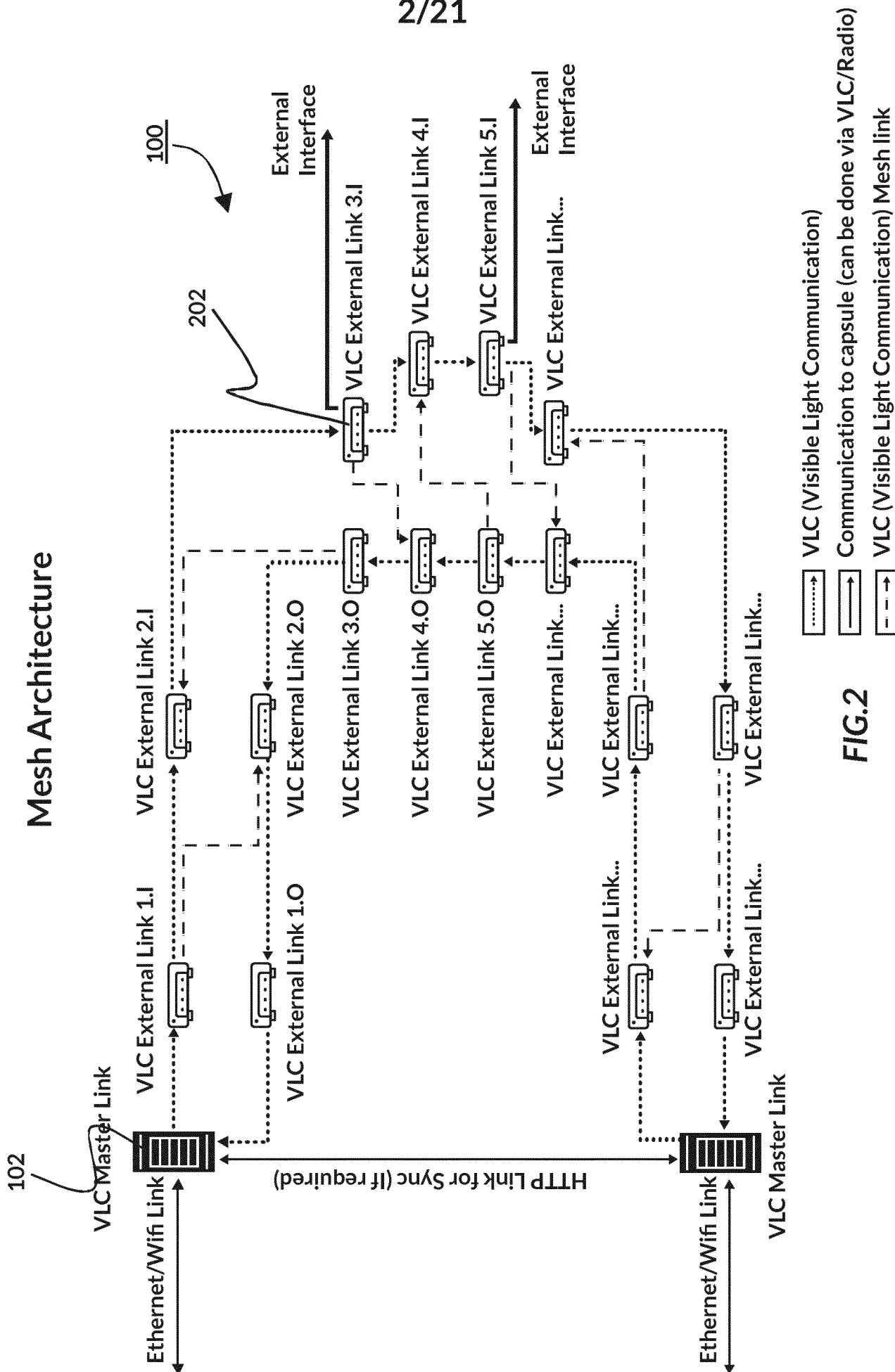


FIG.1



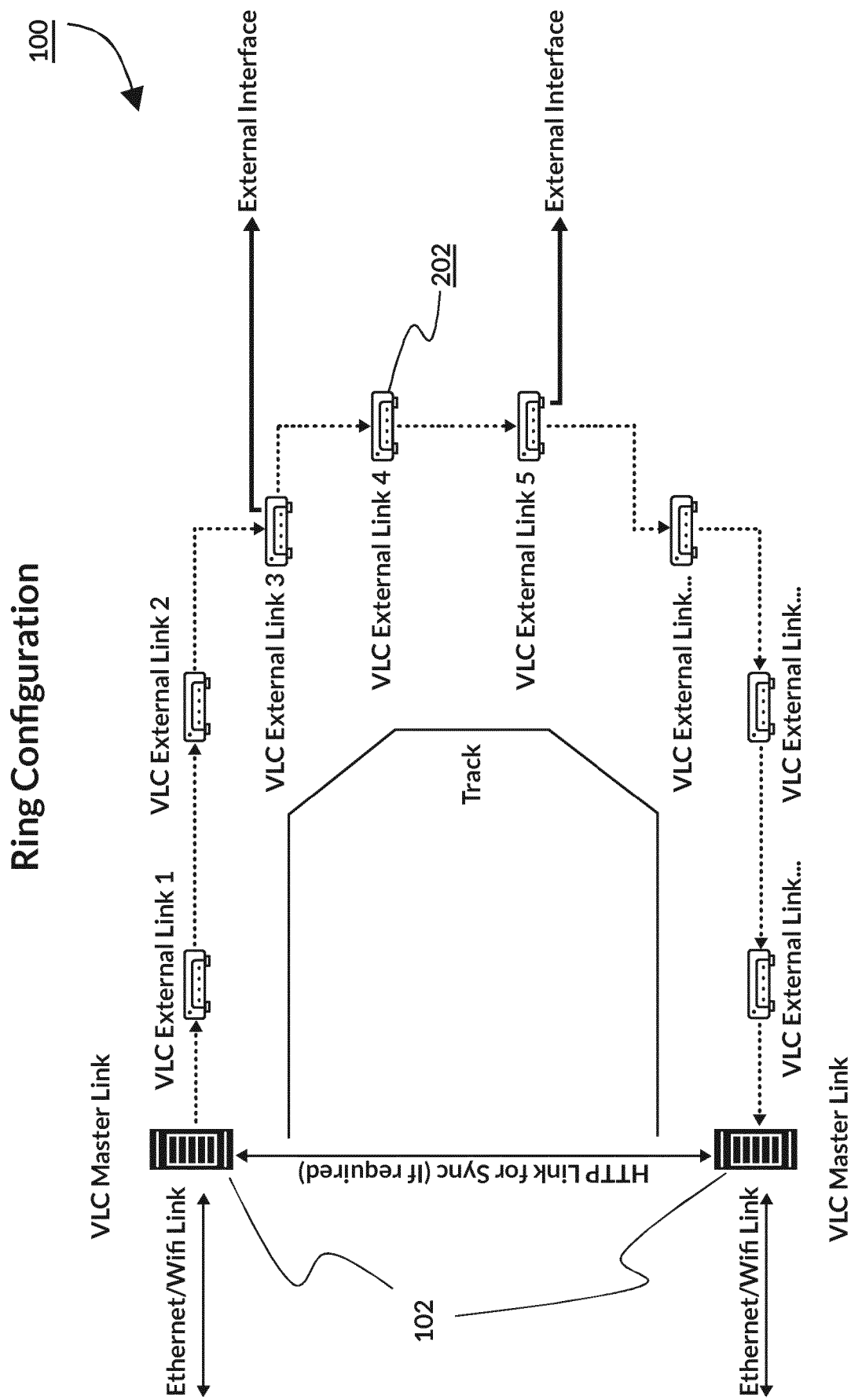


FIG. 3 VLC (Visible Light Communication)

→ Communication to capsule (can be done via VLC/radio)

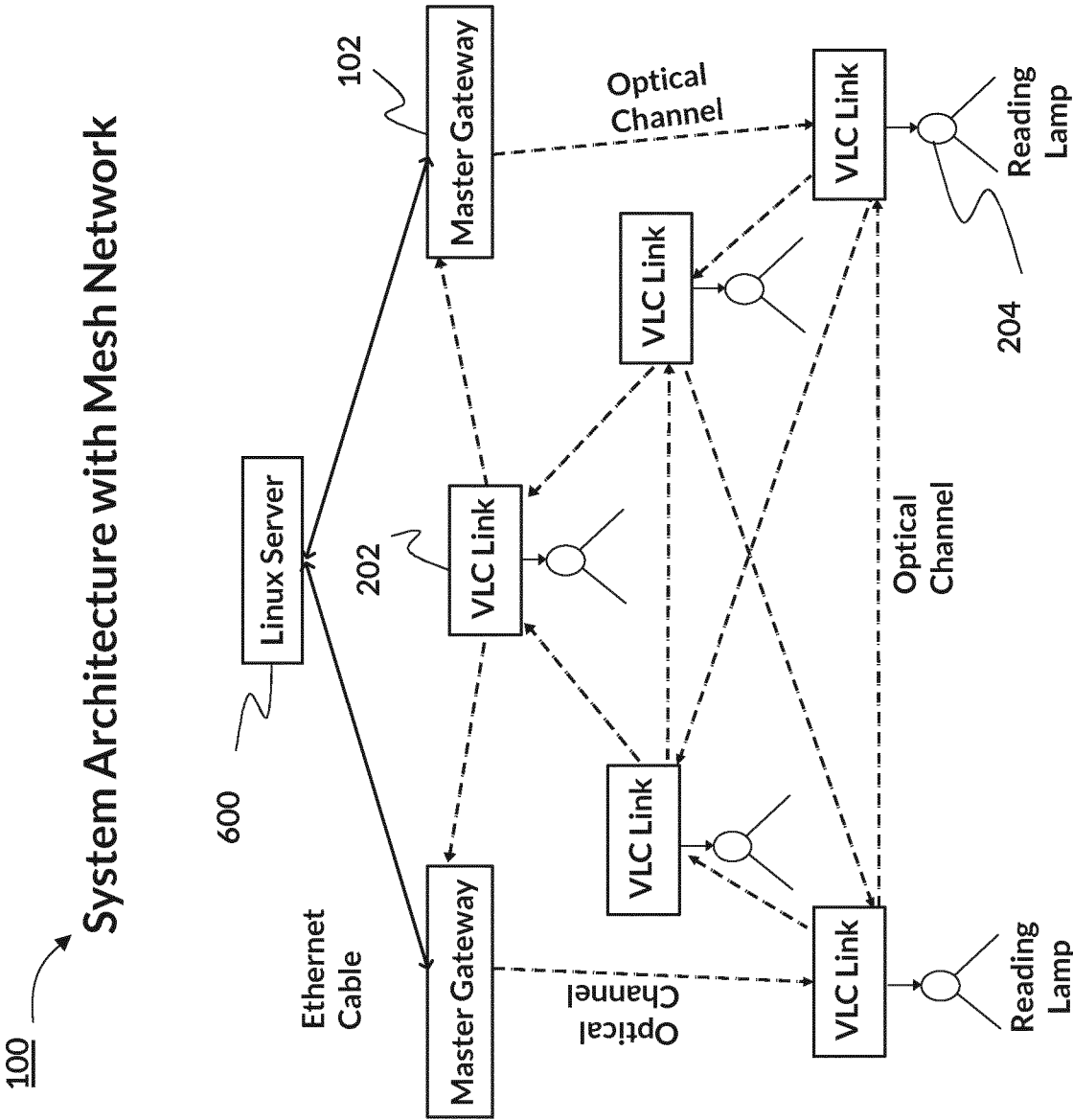


FIG. 4

System Architecture With Ethernet Cables

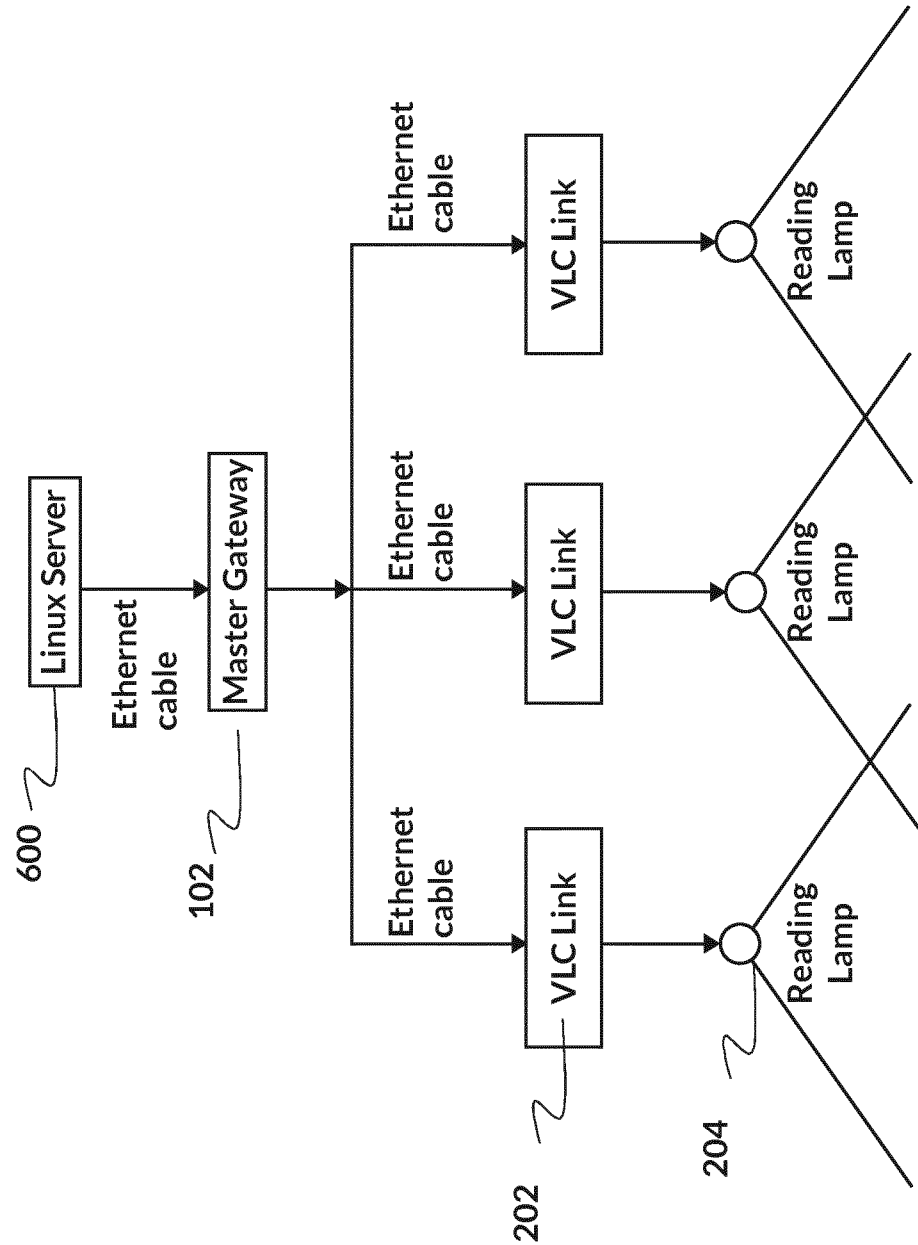


FIG.5

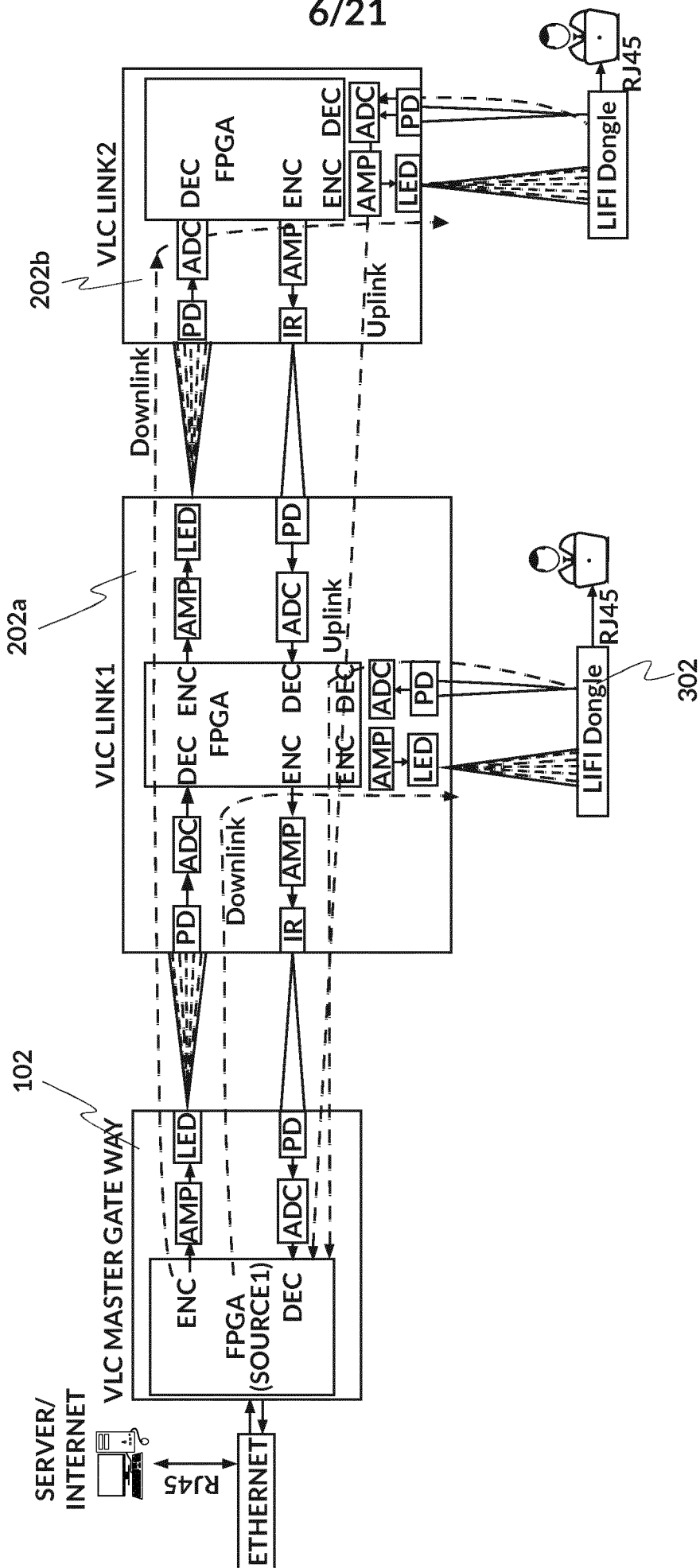


FIG.6

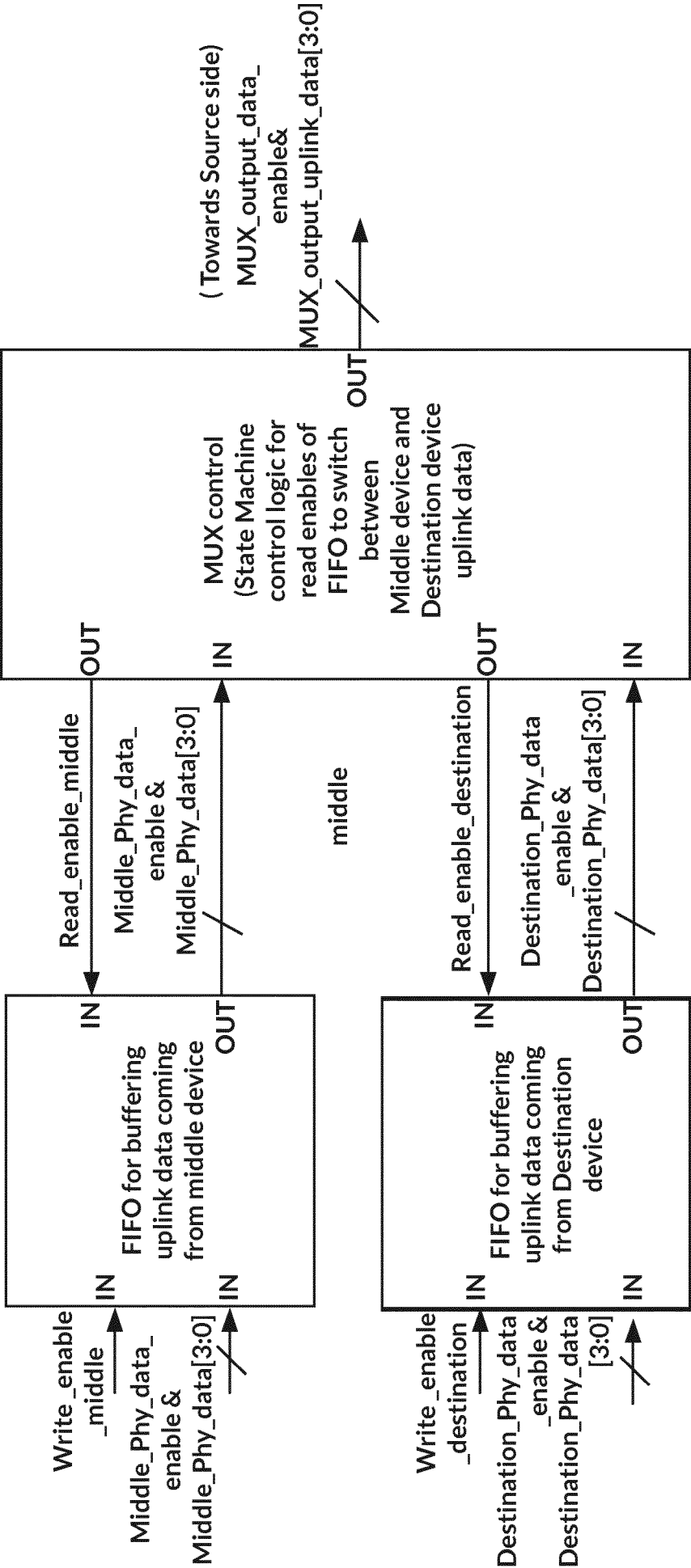


FIG.7

VLC Link Design for Mesh Scenario

202

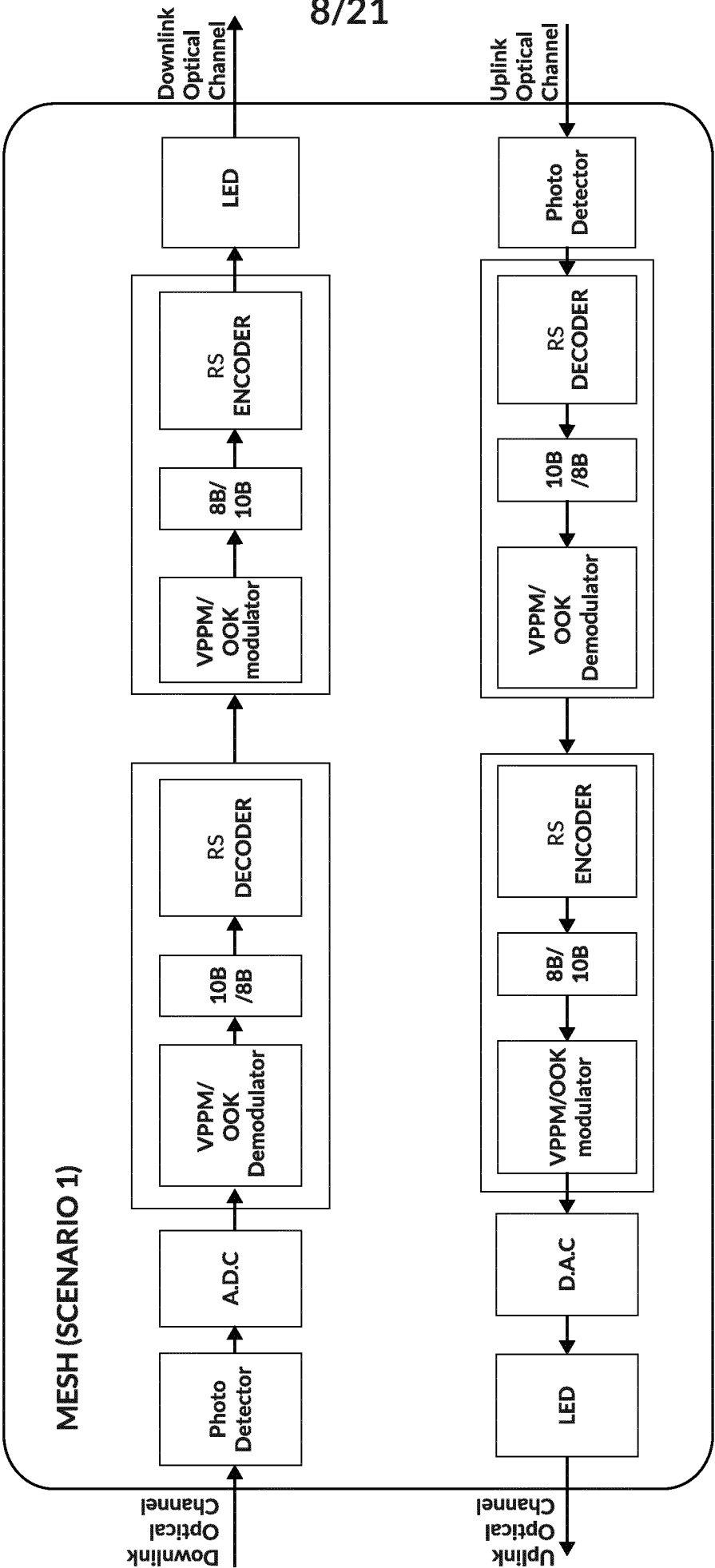


FIG.8

Design of User Dongle

302

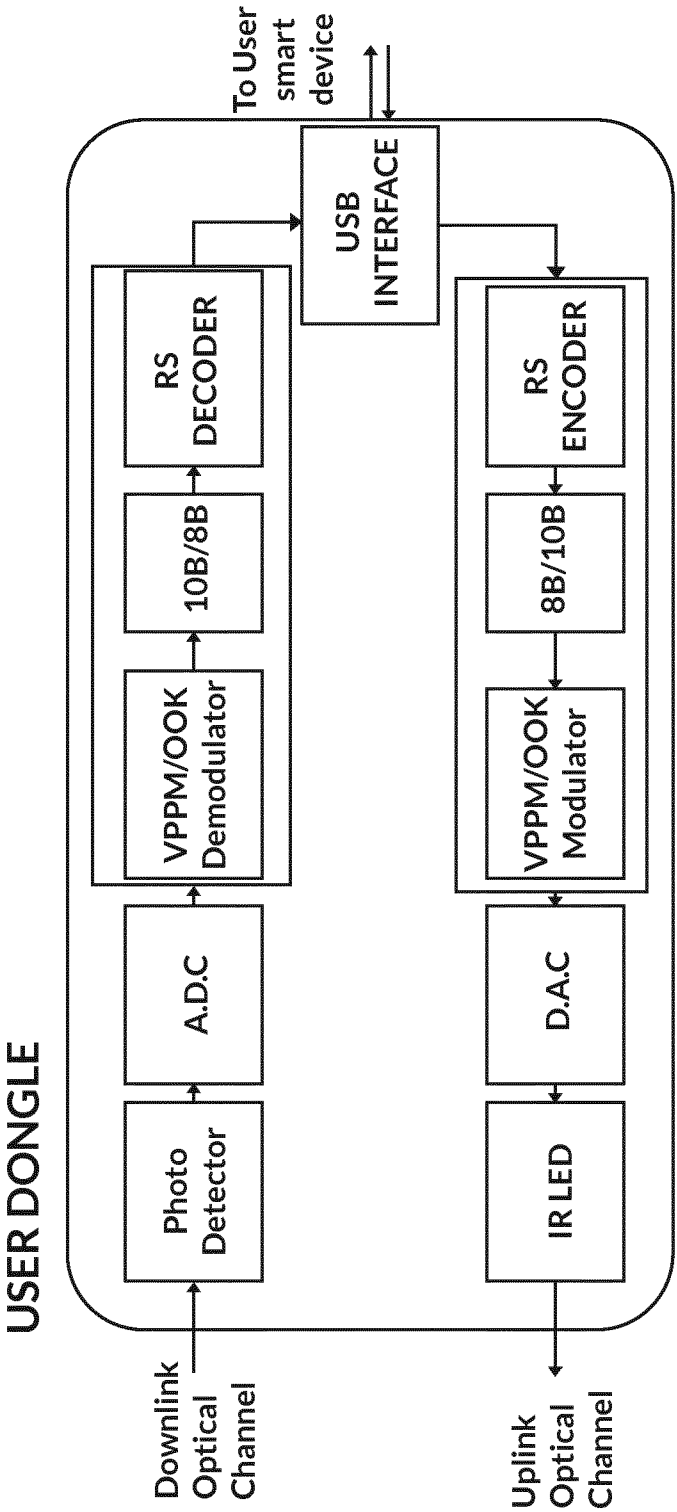


FIG.9

10/21

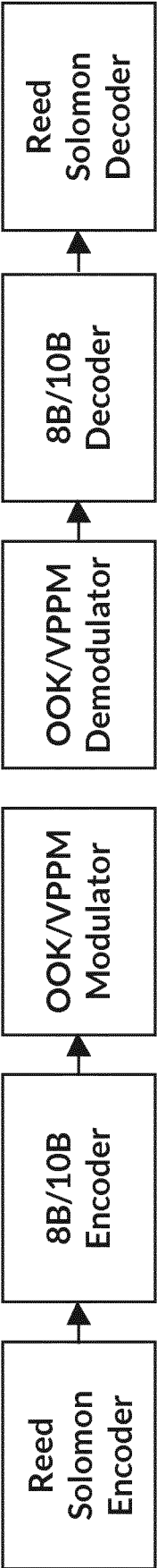


FIG.10

202

VLC Link Design For Ethernet Scenario

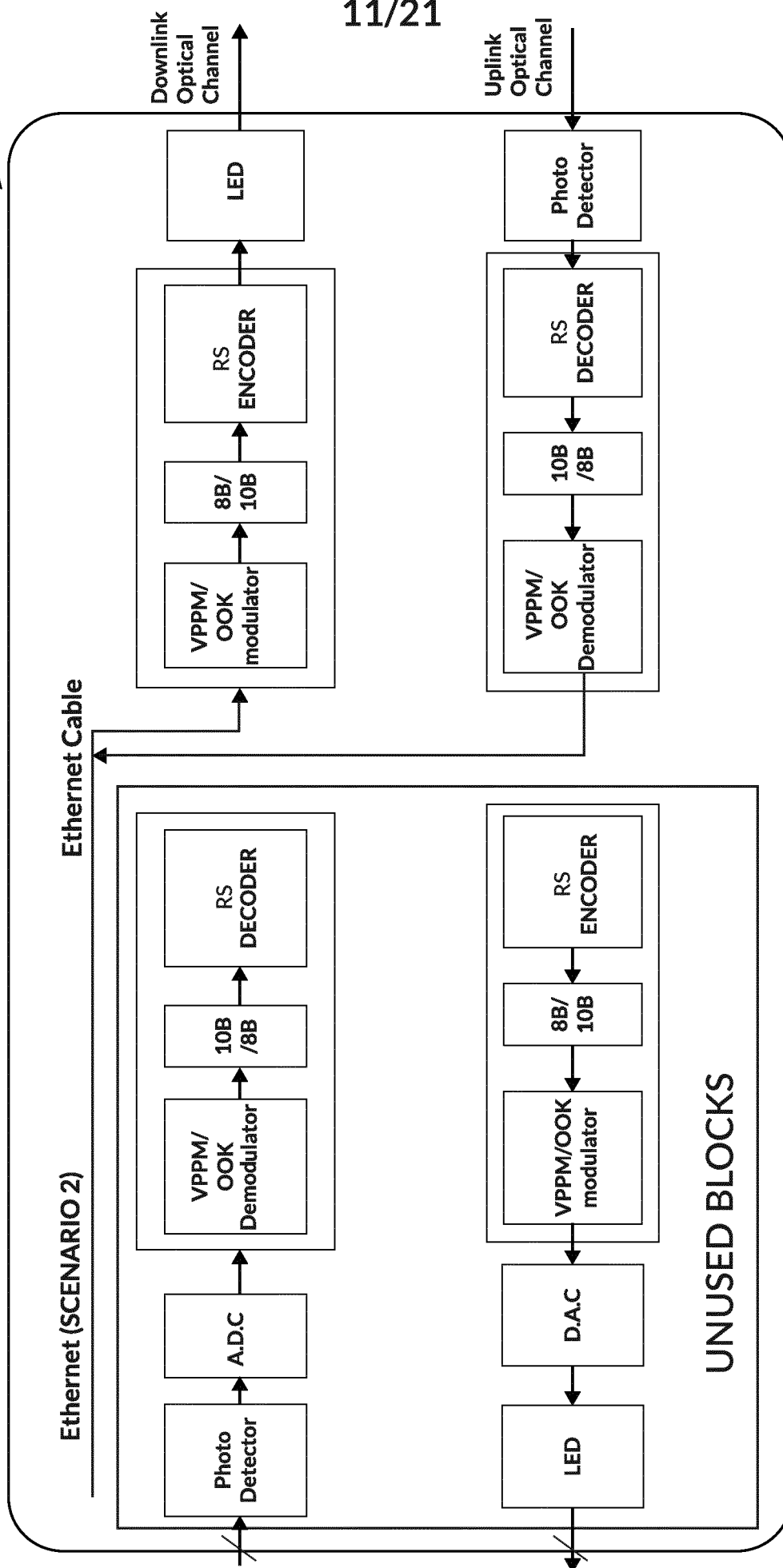


FIG.11

12/21

Transmitter Workflow

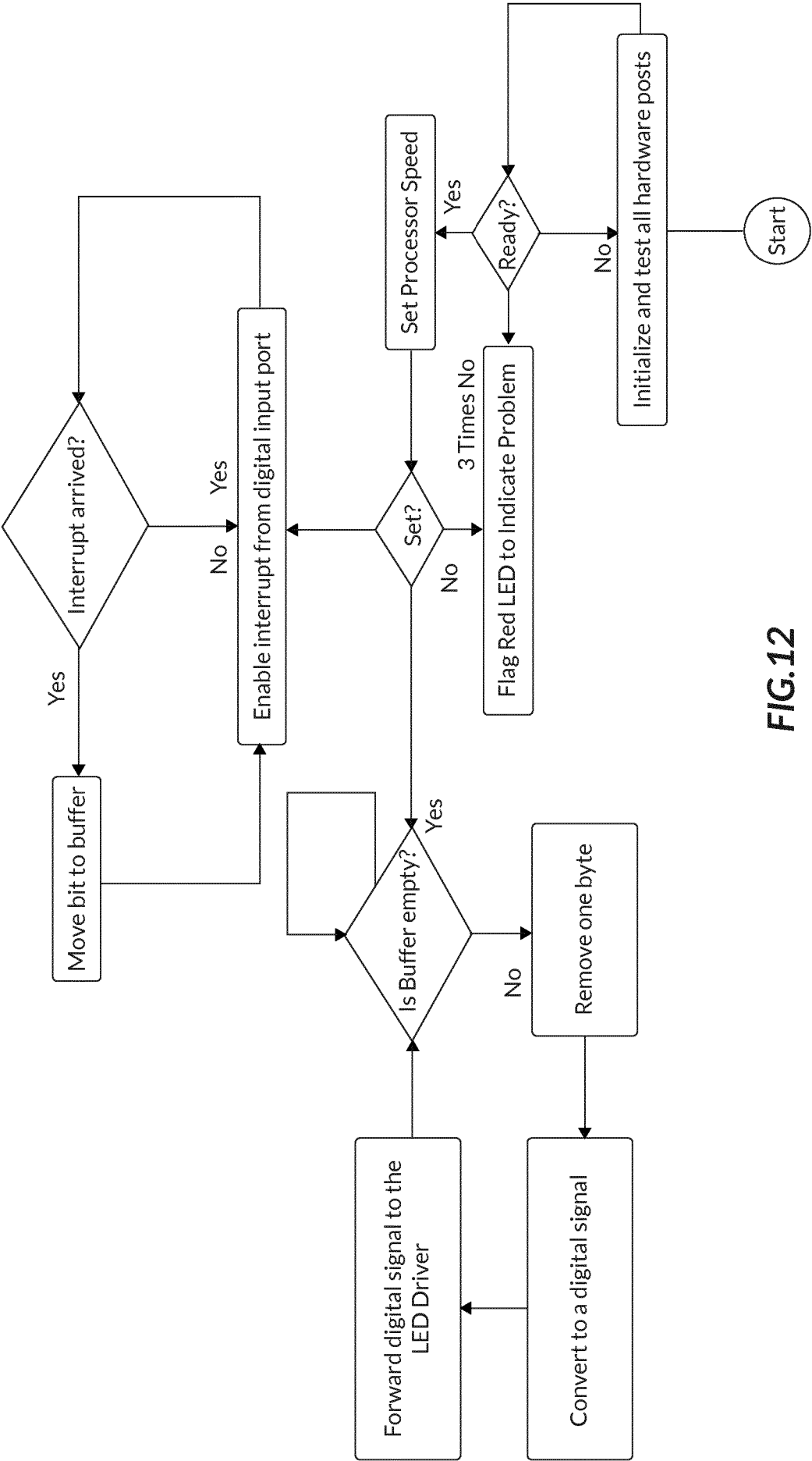


FIG.12

13/21

Receiver Workflow

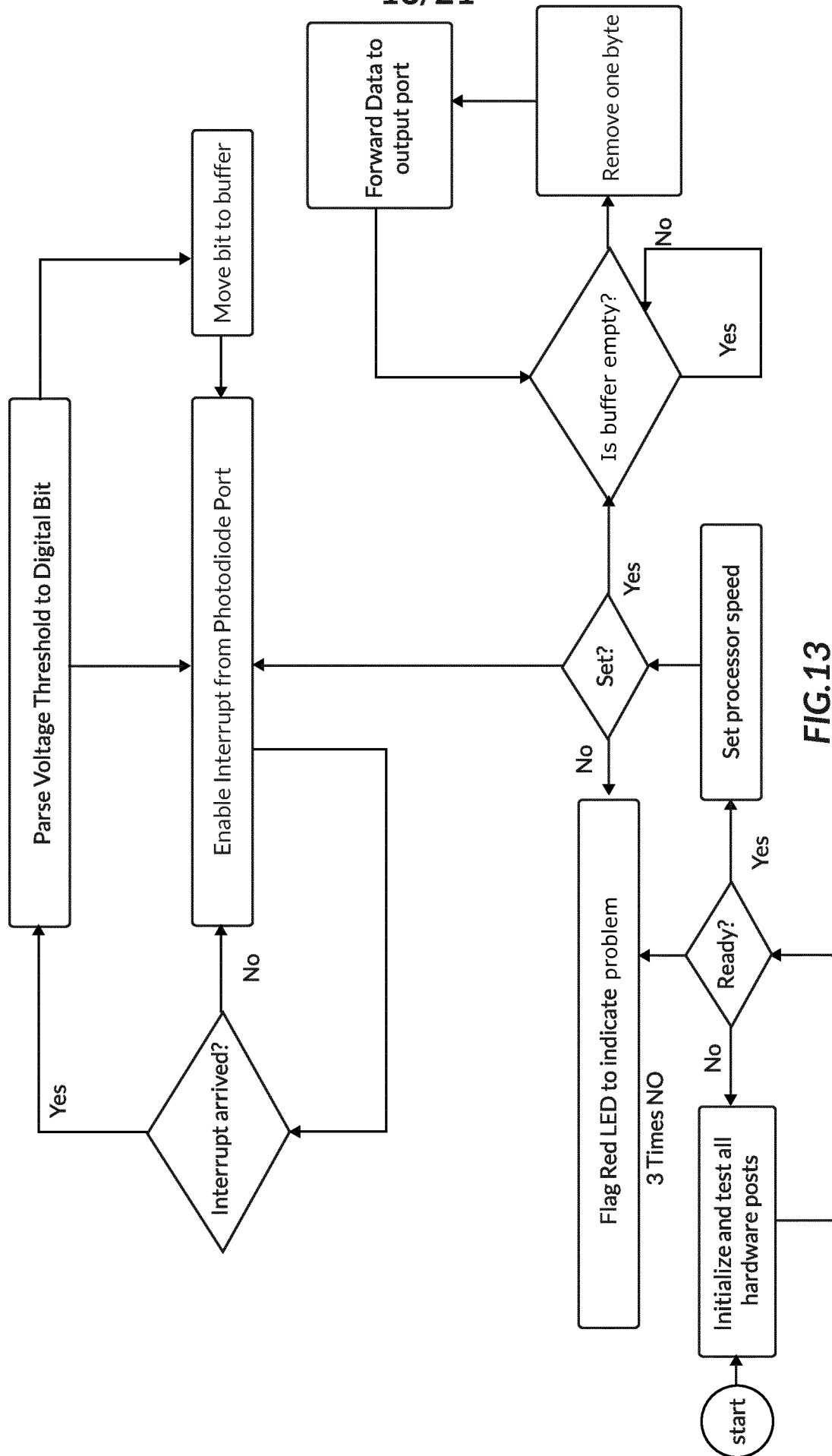


FIG.13

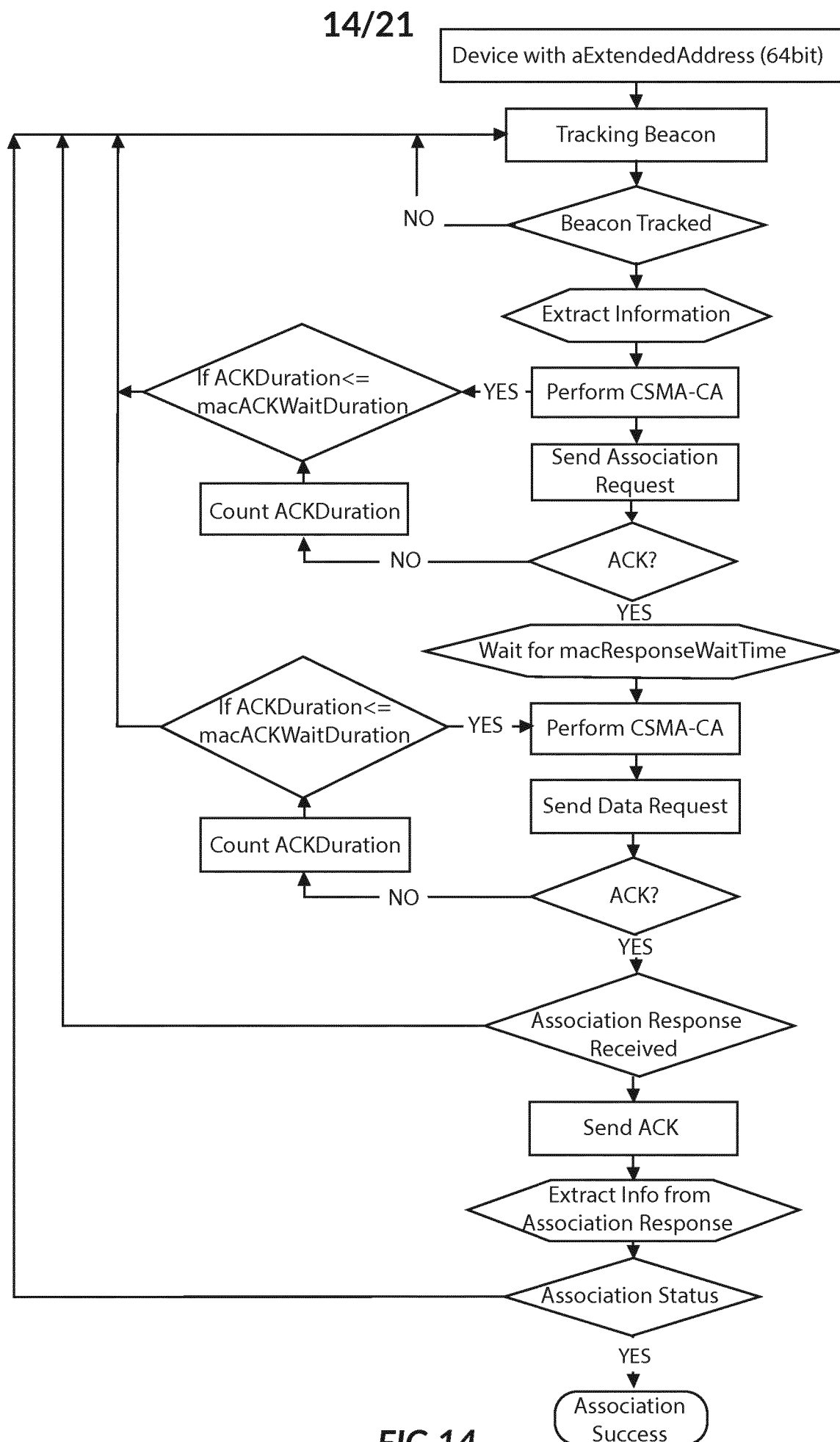


FIG. 14

15/21

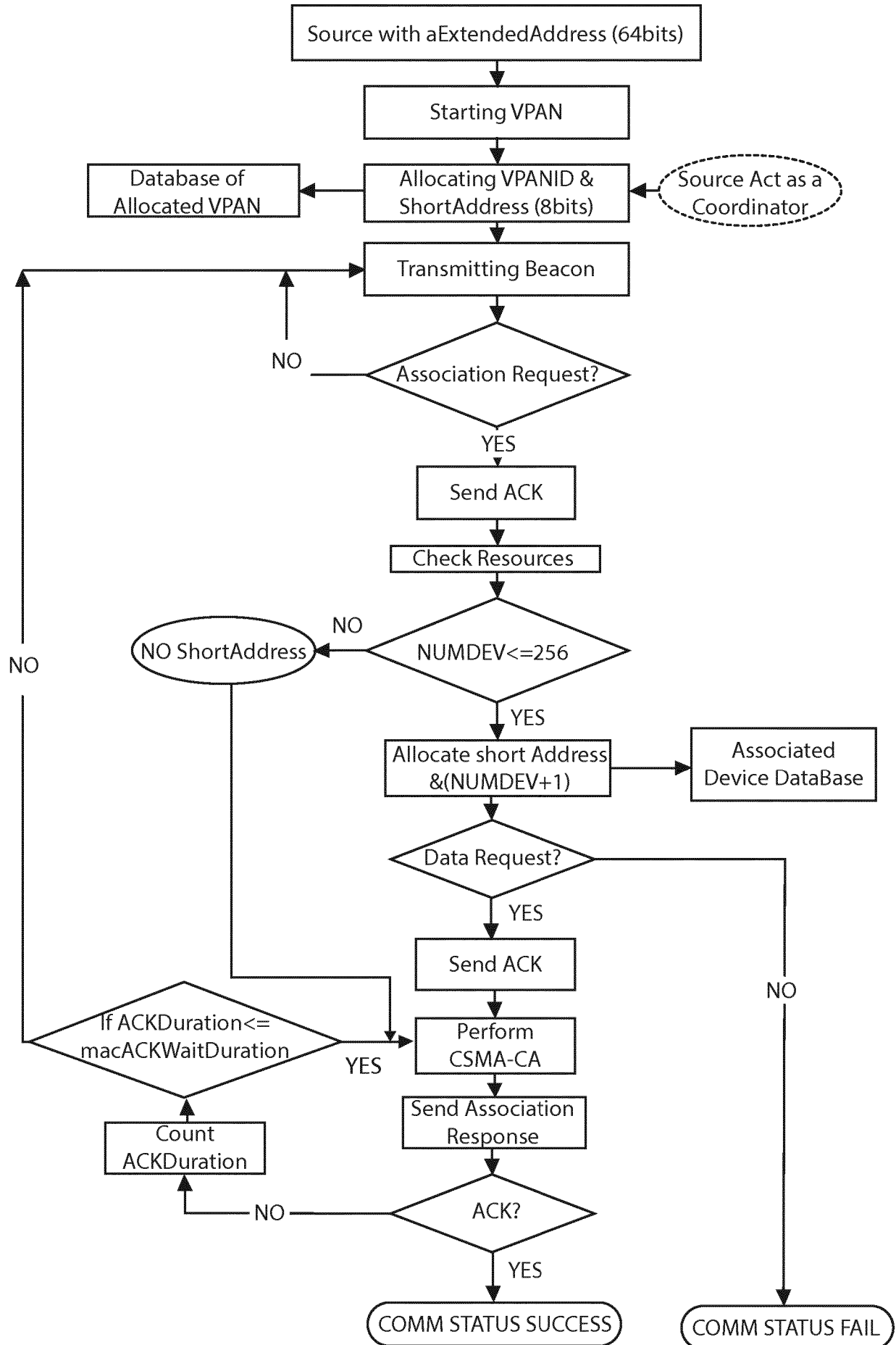


FIG.15

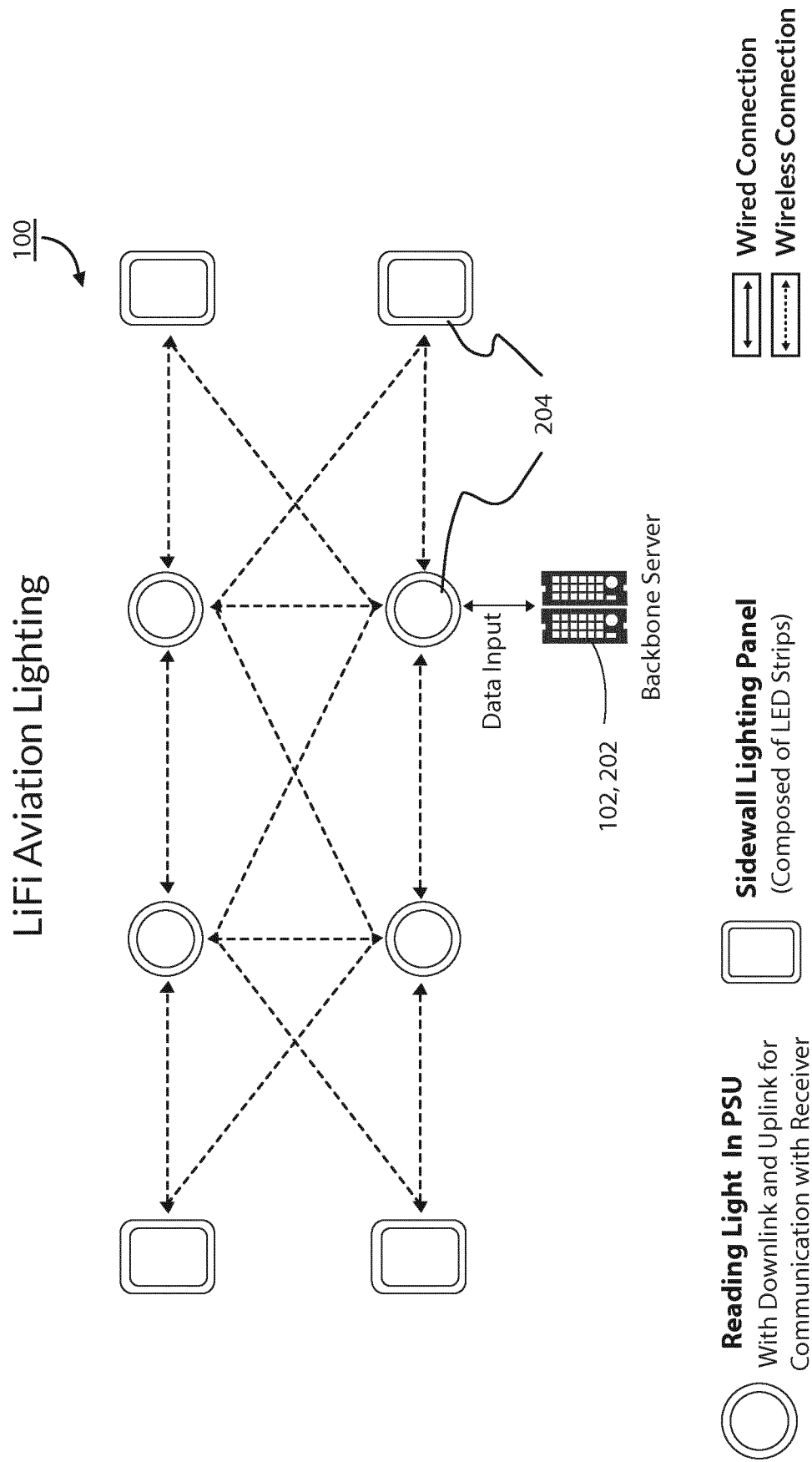


FIG.16

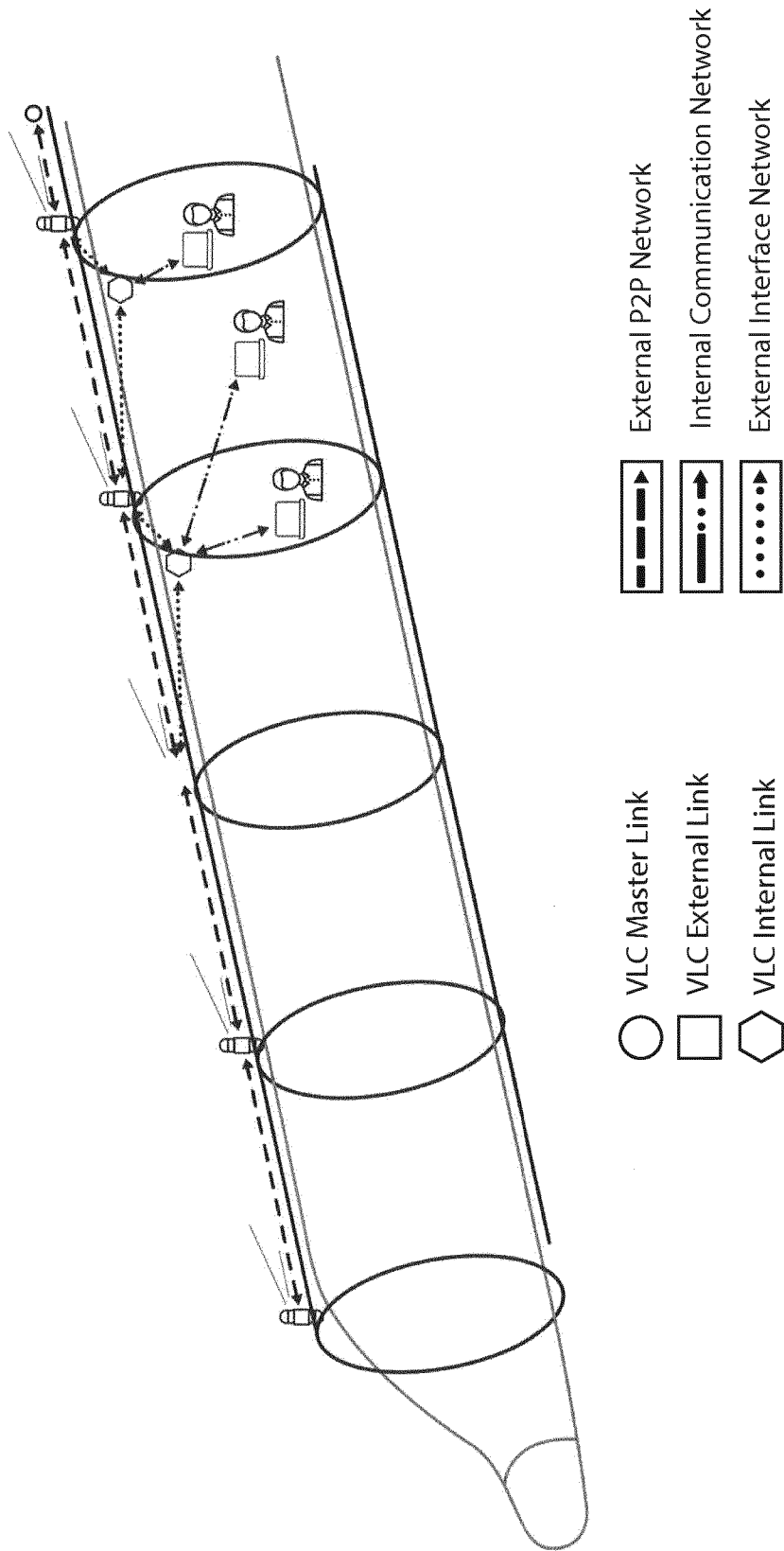
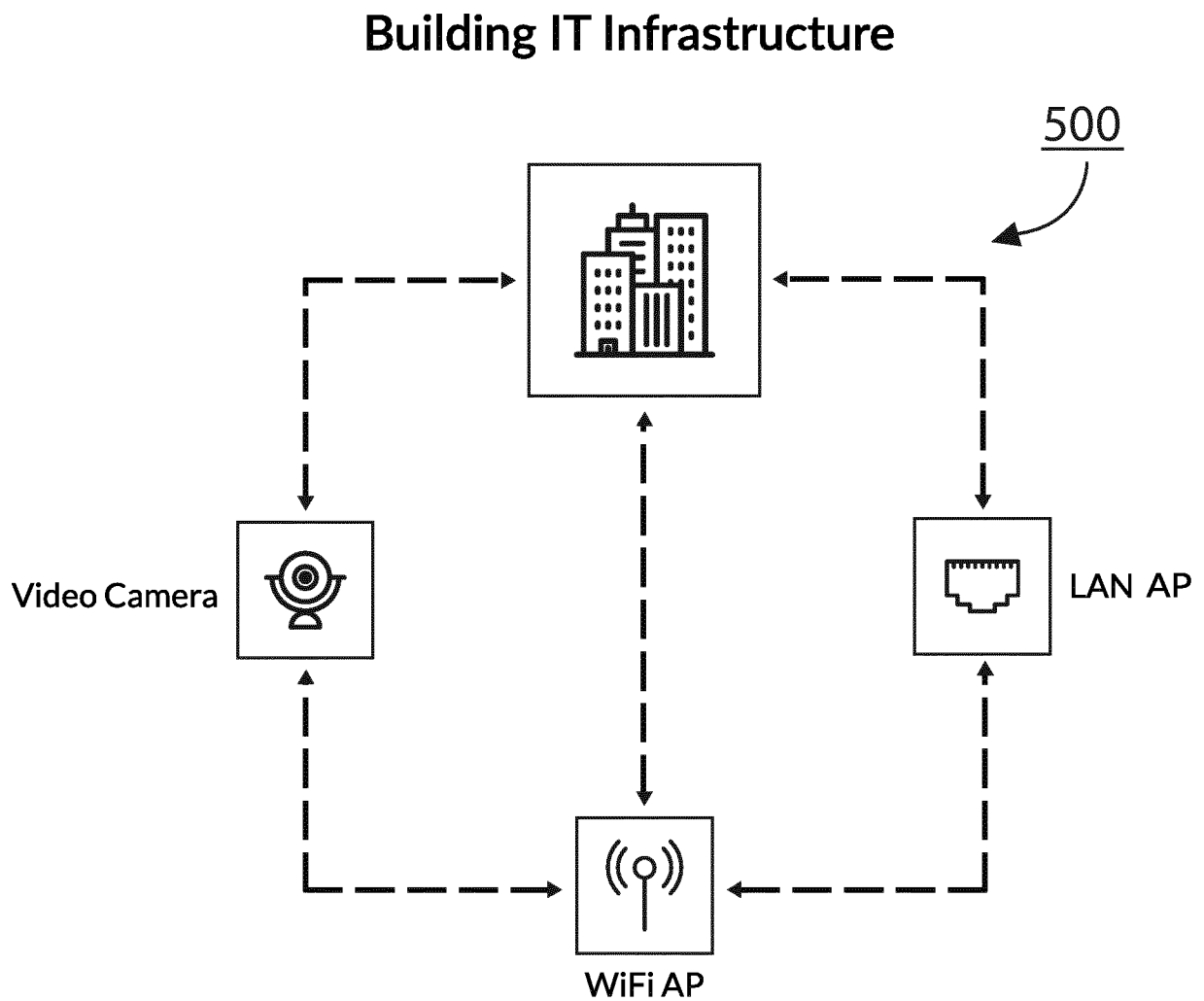


FIG.17

18/21

**FIG.18**

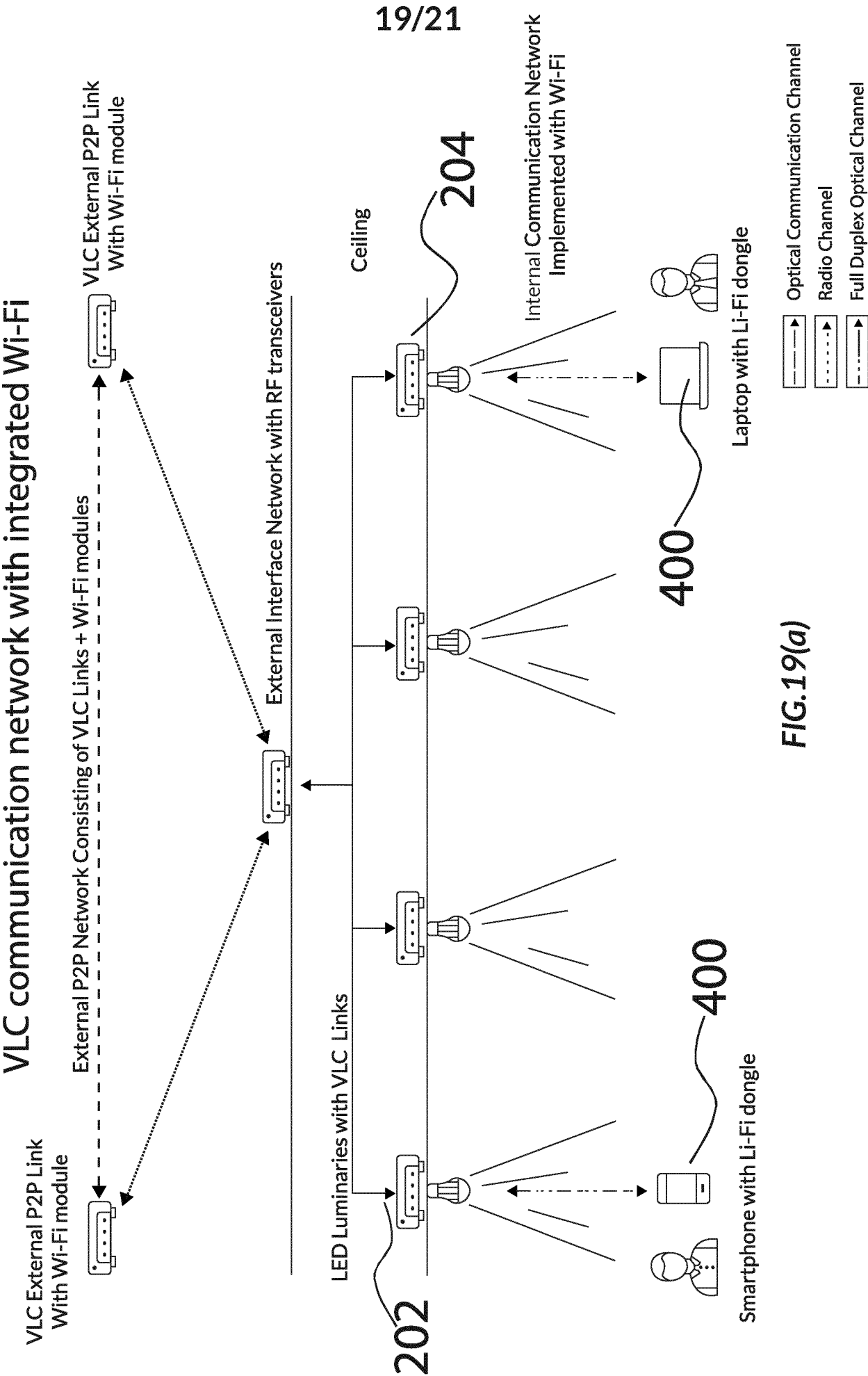


FIG.19(a)

VLC communication network with integrated Wi-Fi

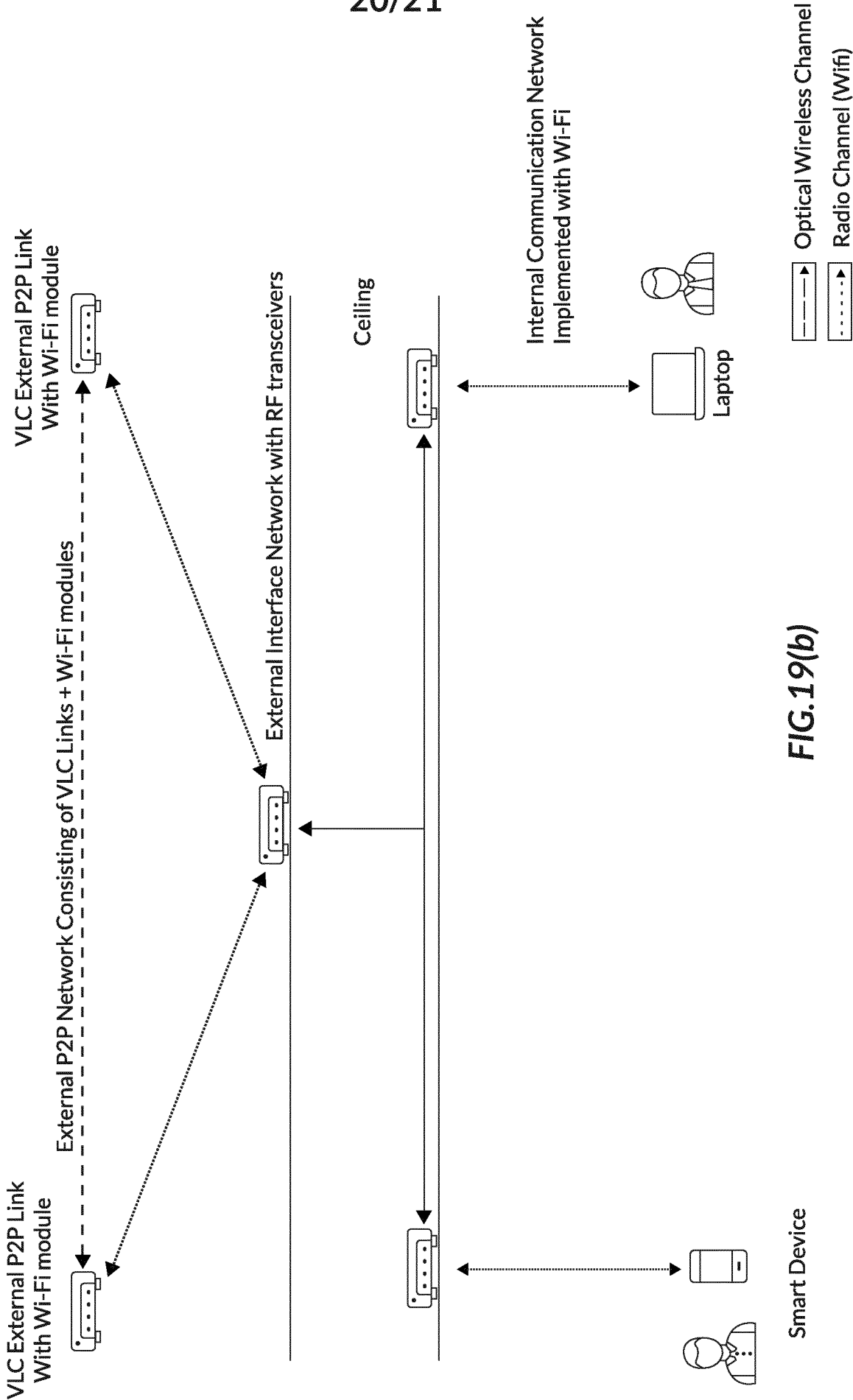


FIG.19(b)

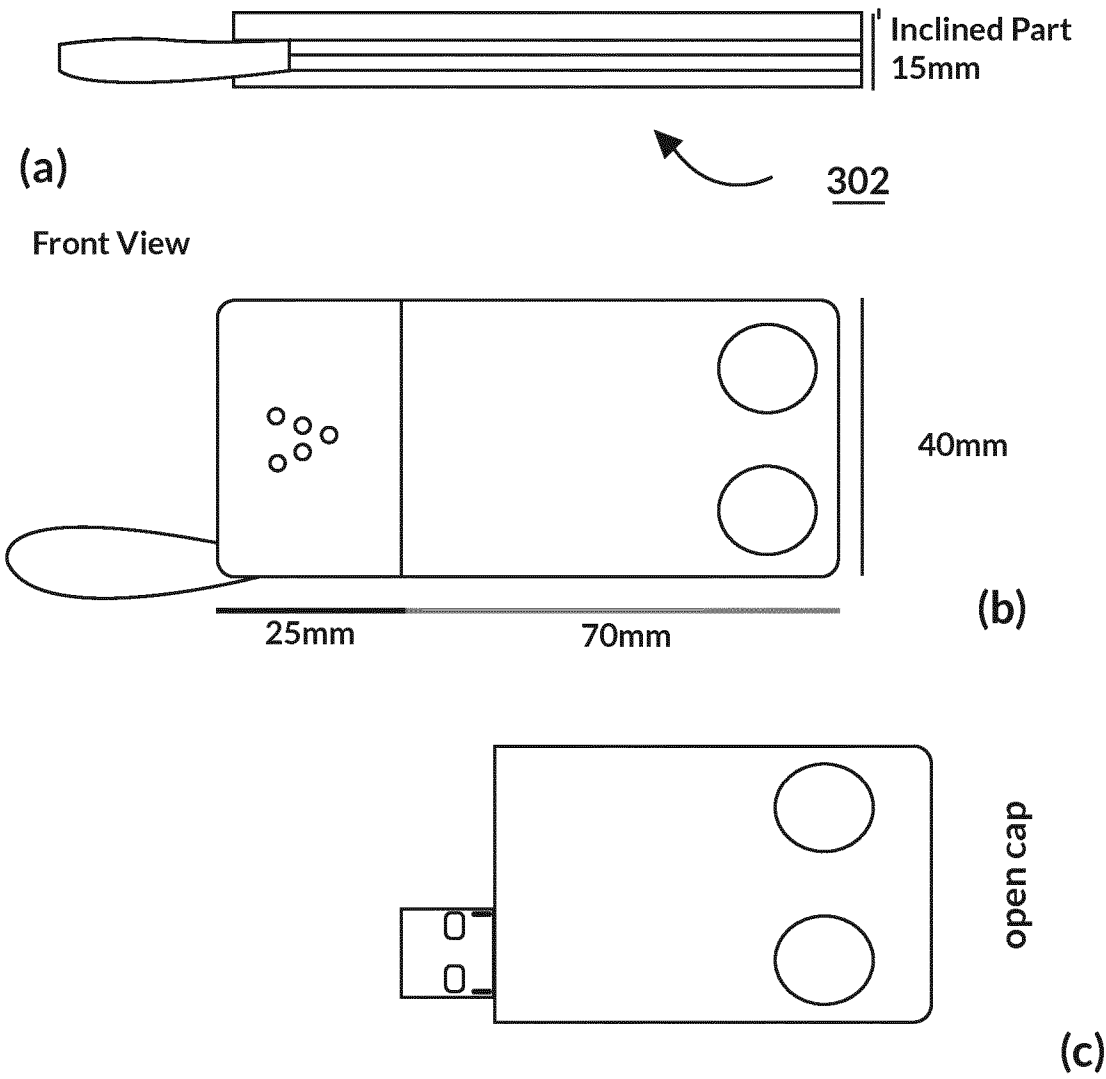


FIG.20