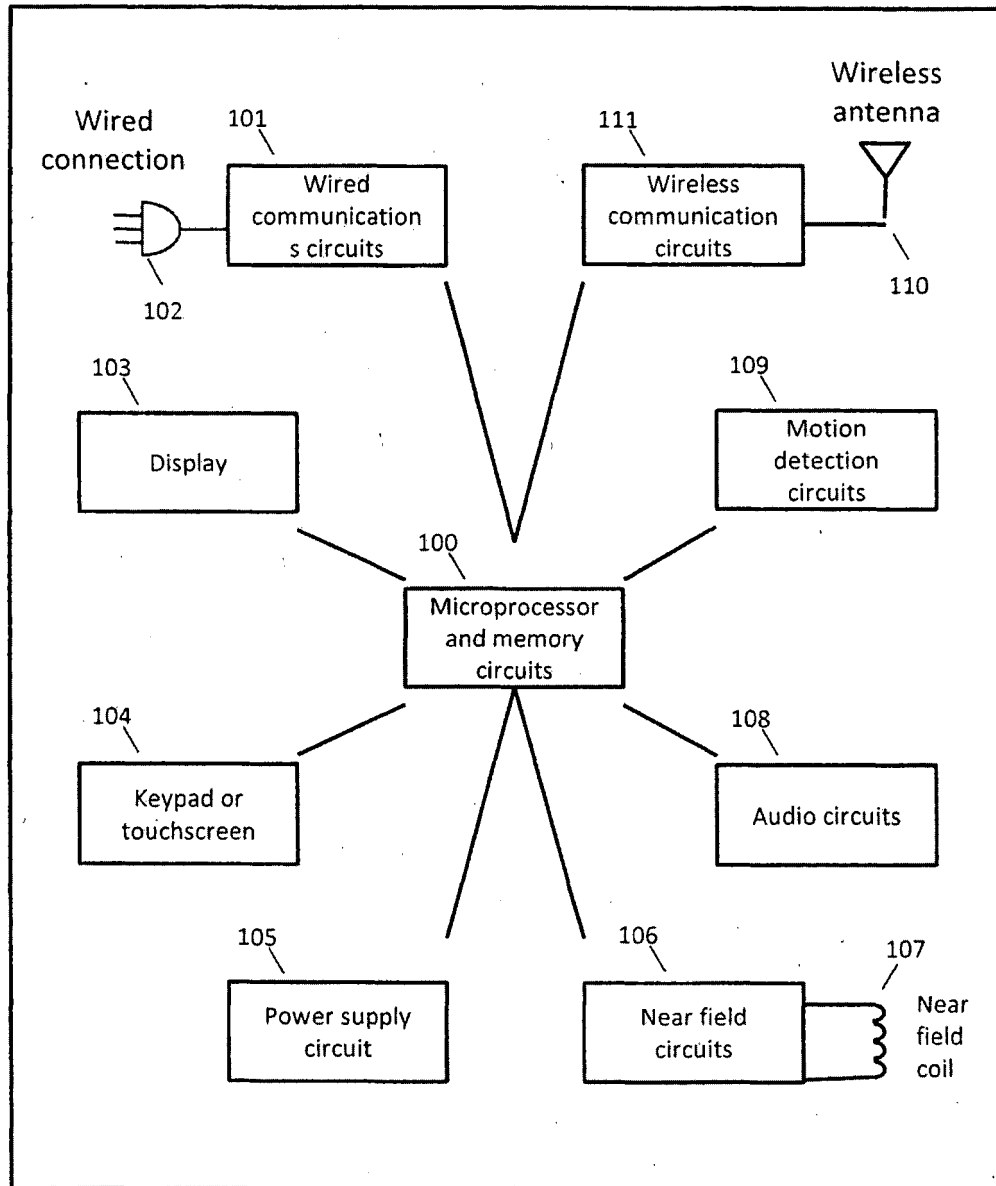
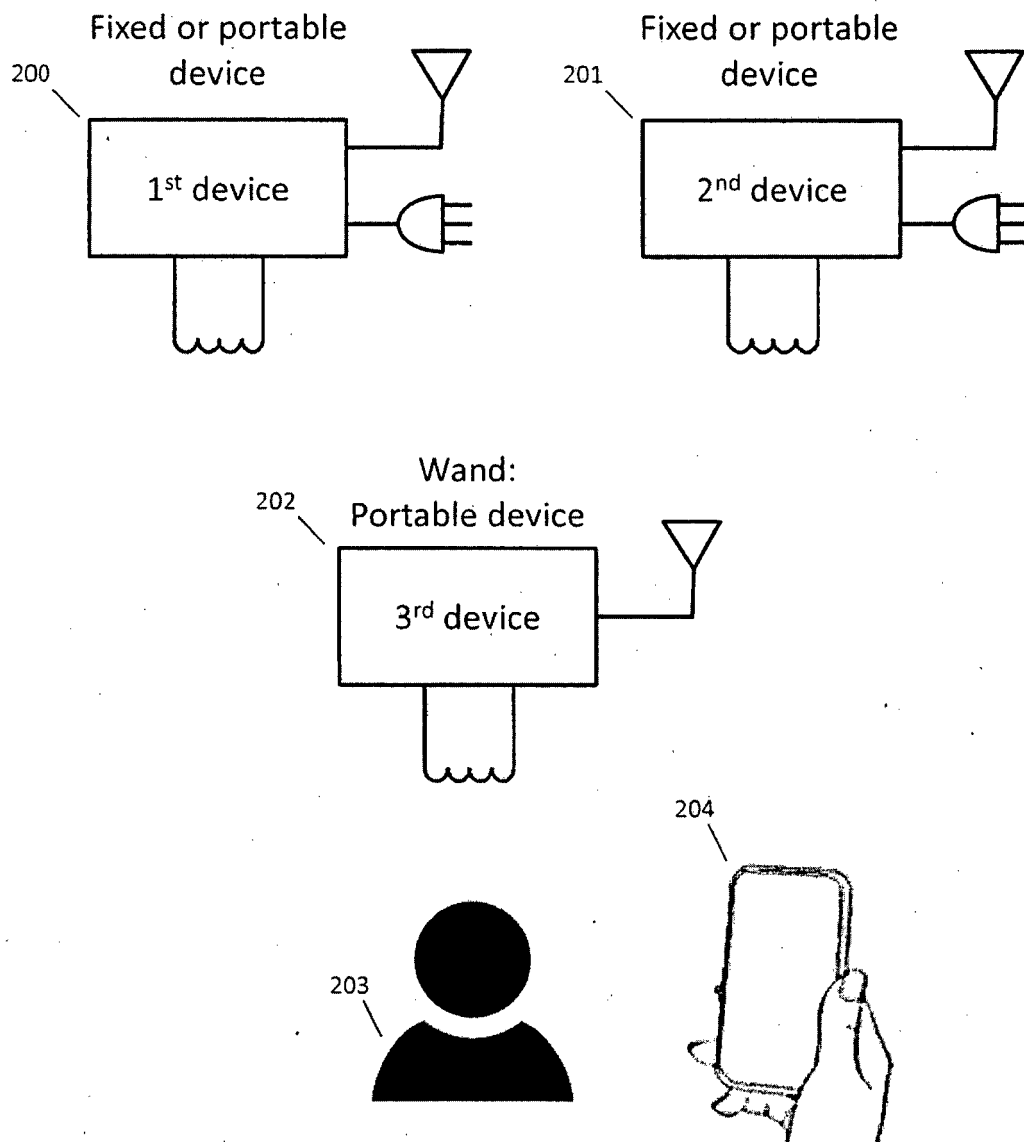


Block diagram of a device

Representation of a 1st, 2nd or 3rd device**Figure 1**

Arrangement of 1st, 2nd and 3rd devicesUser accessing a 3rd device being a mobile device**Figure 2**

Near field transfer between a 3rd device and a 1st device

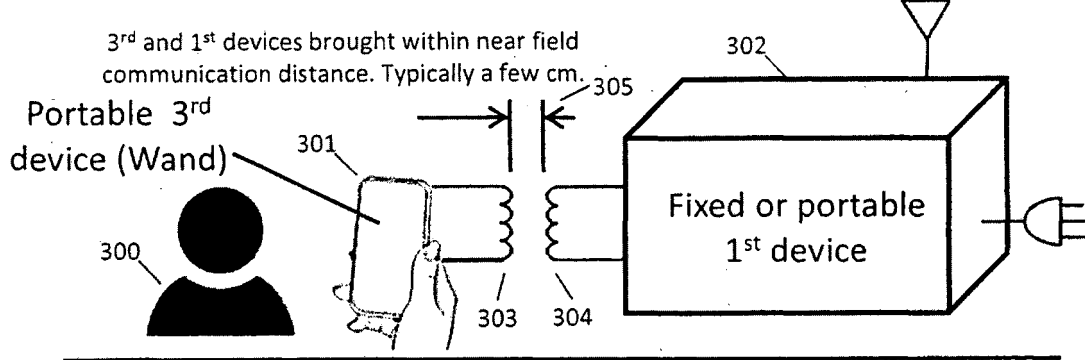


Figure 3a

Near field transfer between a 3rd device and a 2nd device

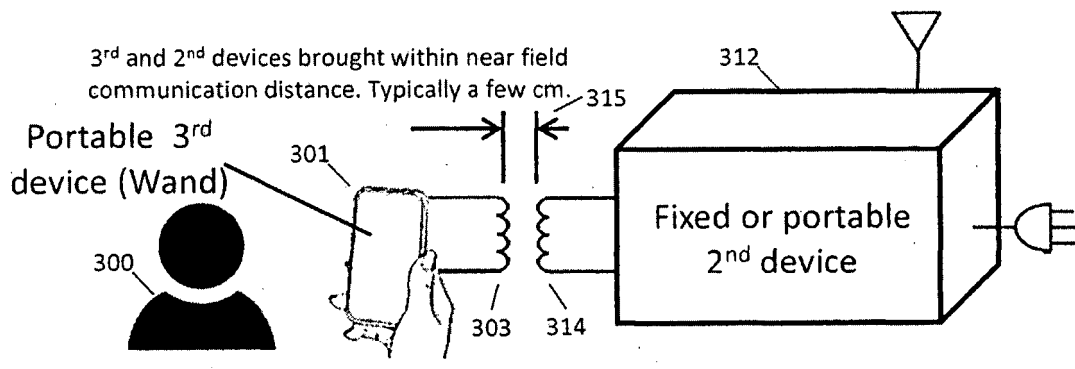


Figure 3b

Communications channel established between a 1st & 2nd device

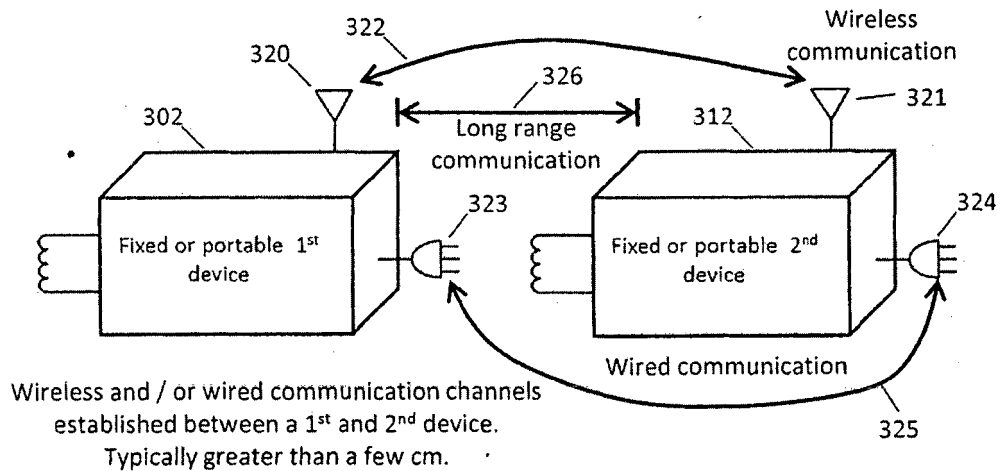


Figure 3c

A dongle device capable of being attached to a mobile device

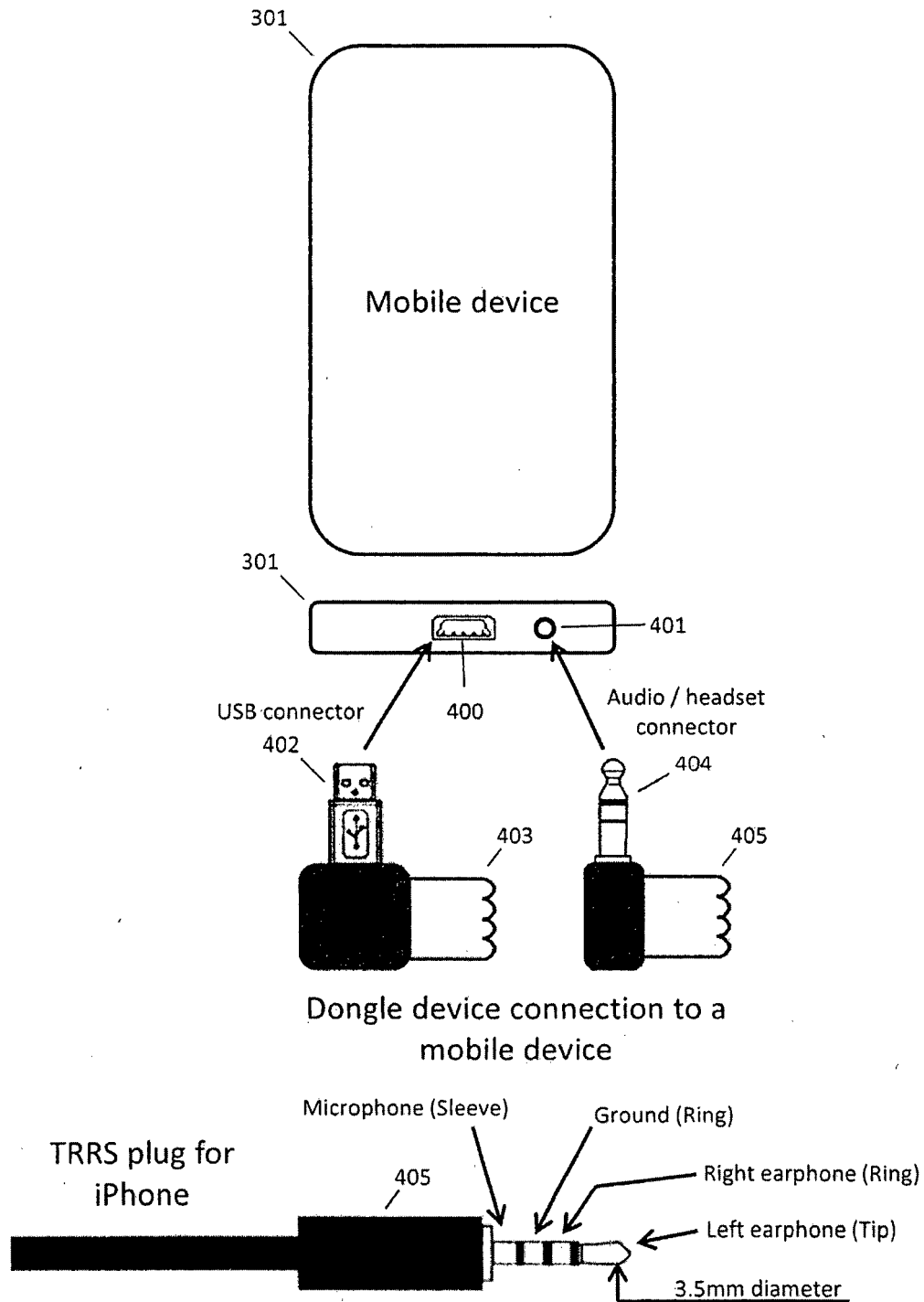
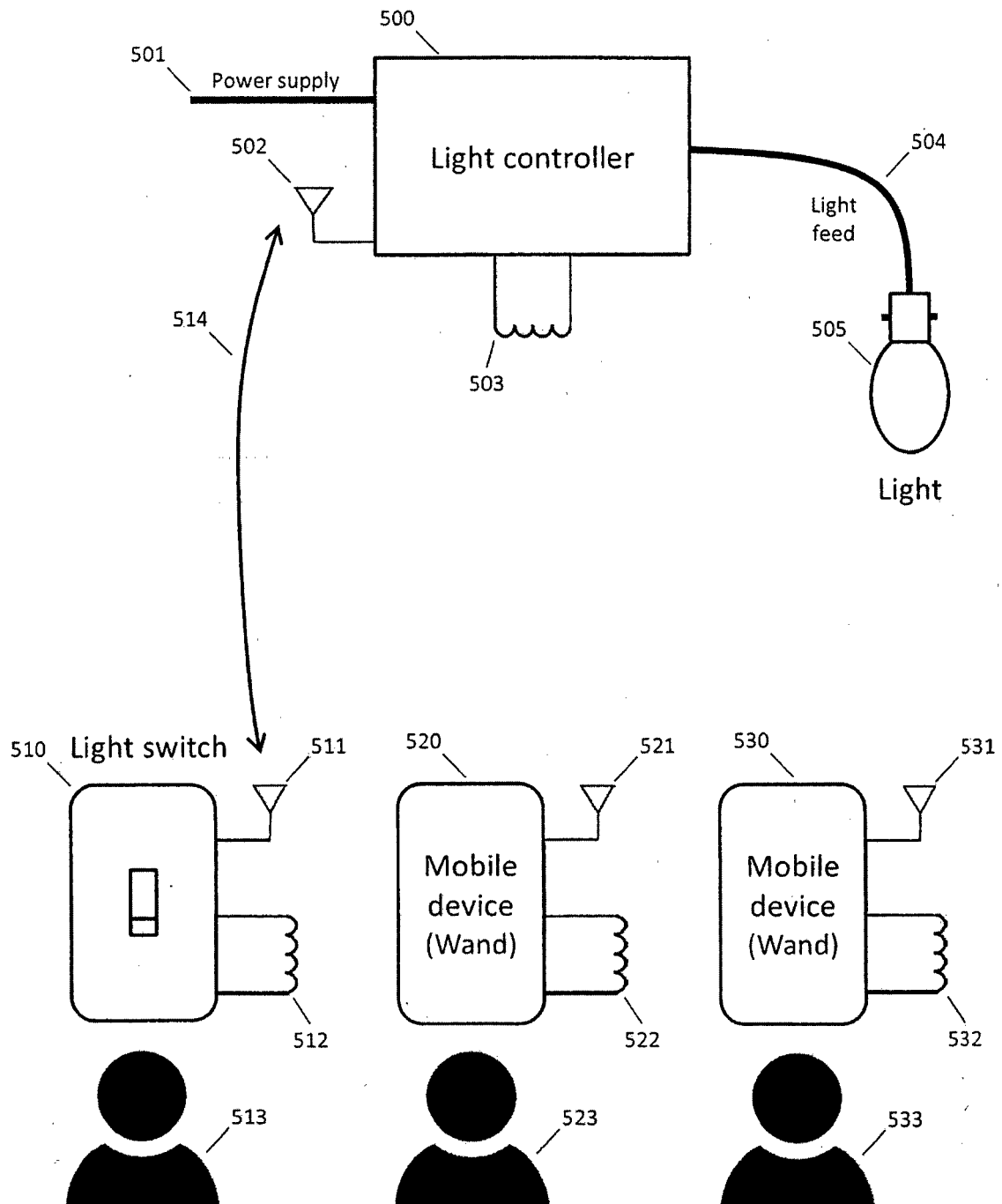
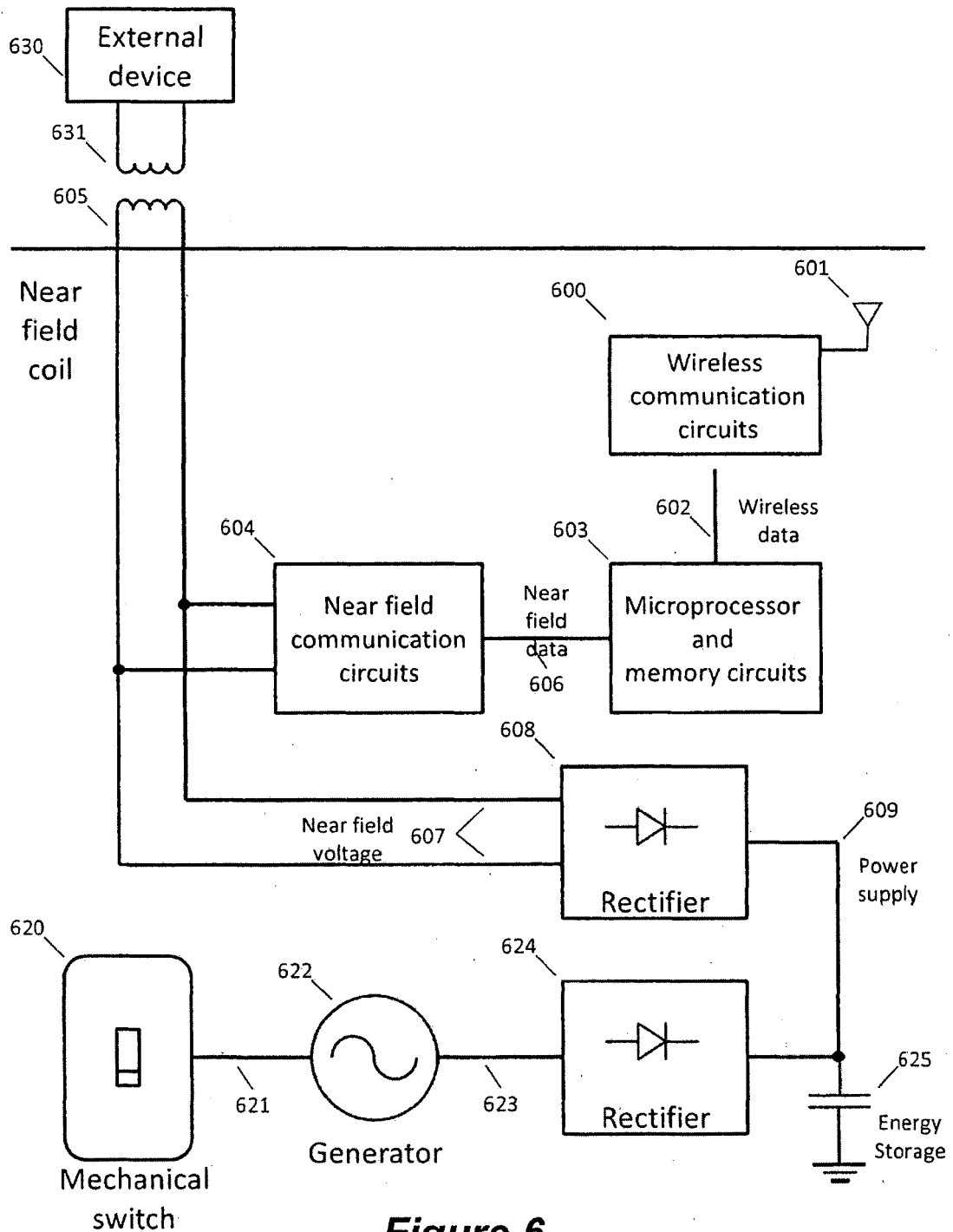


Figure 4

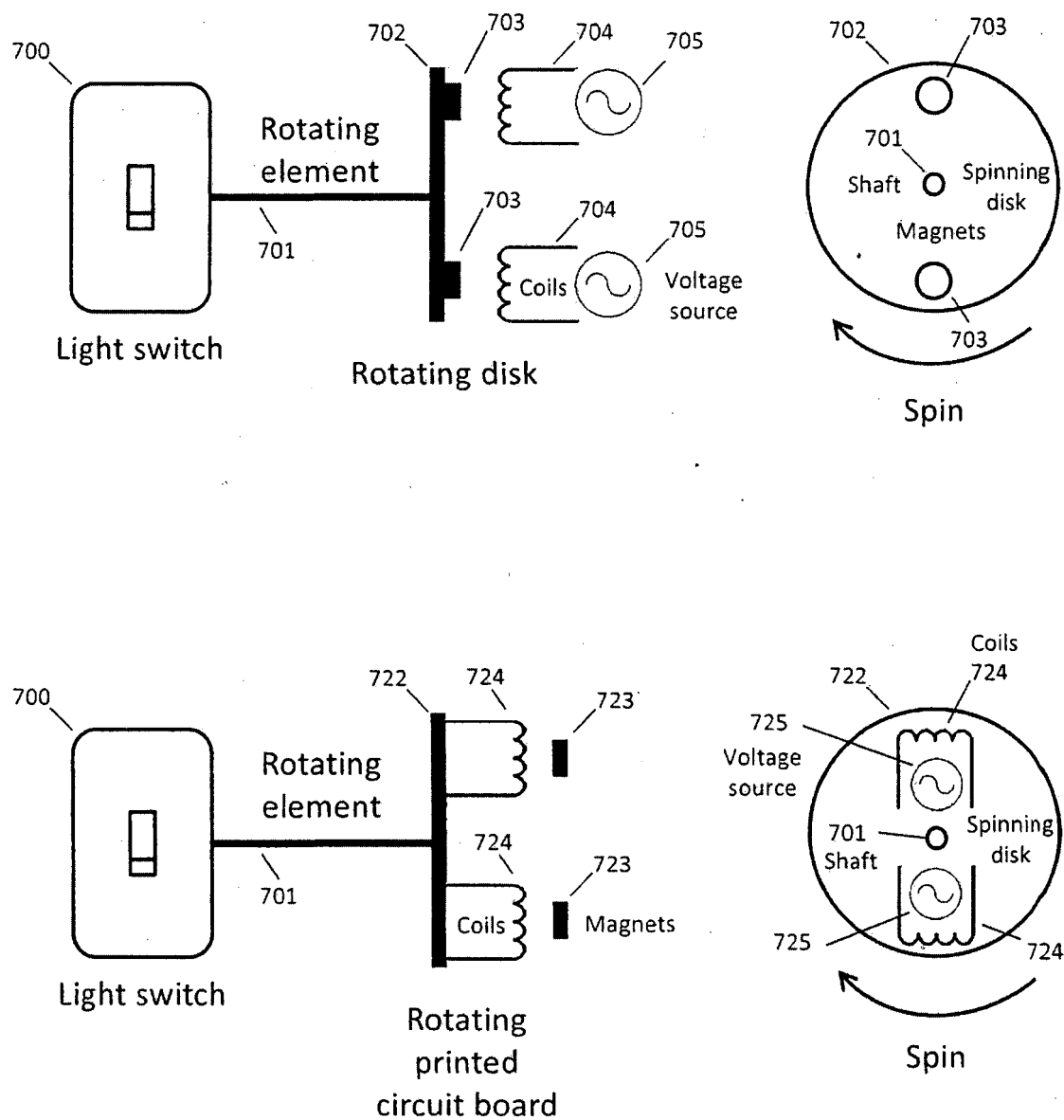
A light switch and light controller arrangement

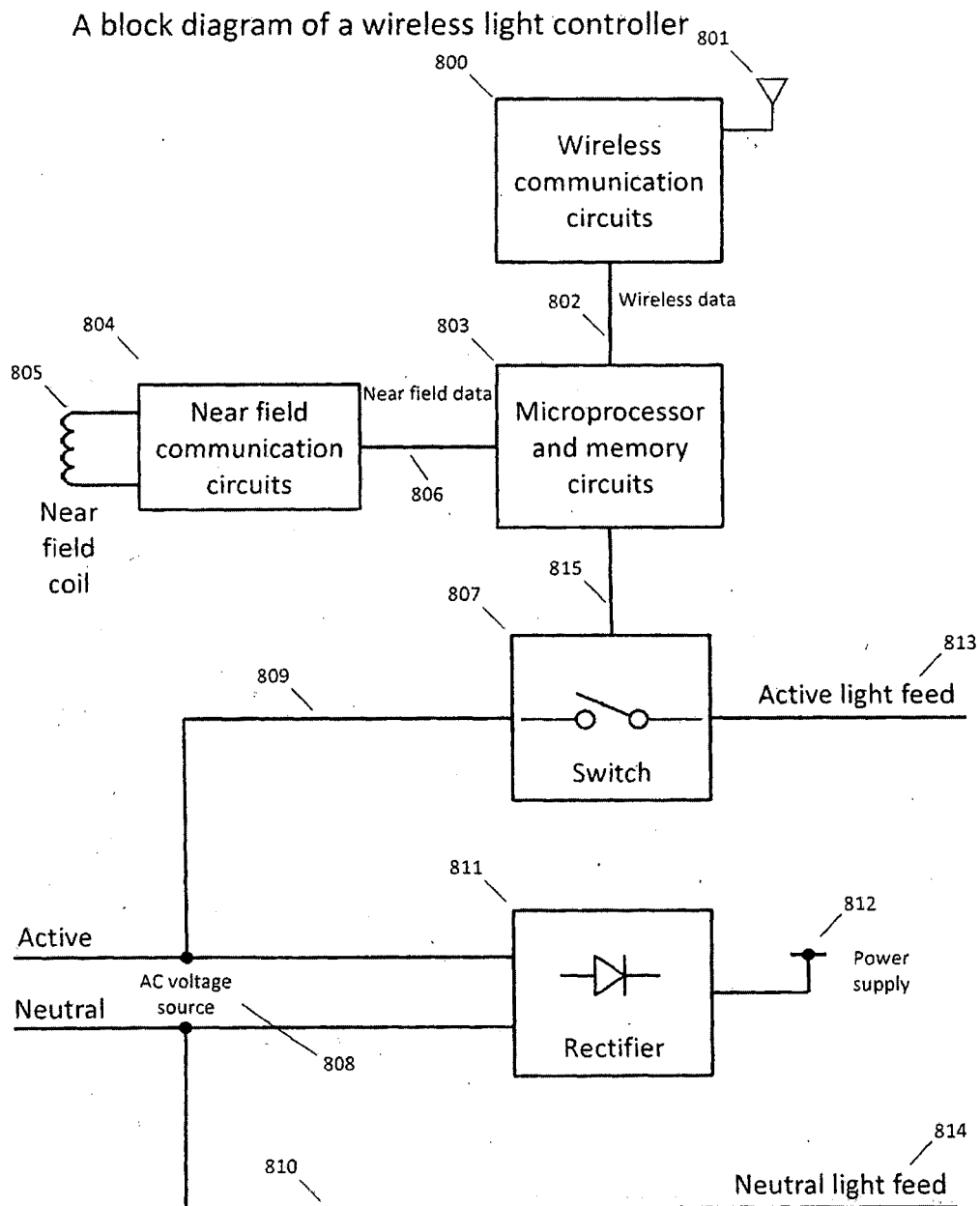
**Figure 5**

A block diagram of a battery-less light switch in close proximity to an external device

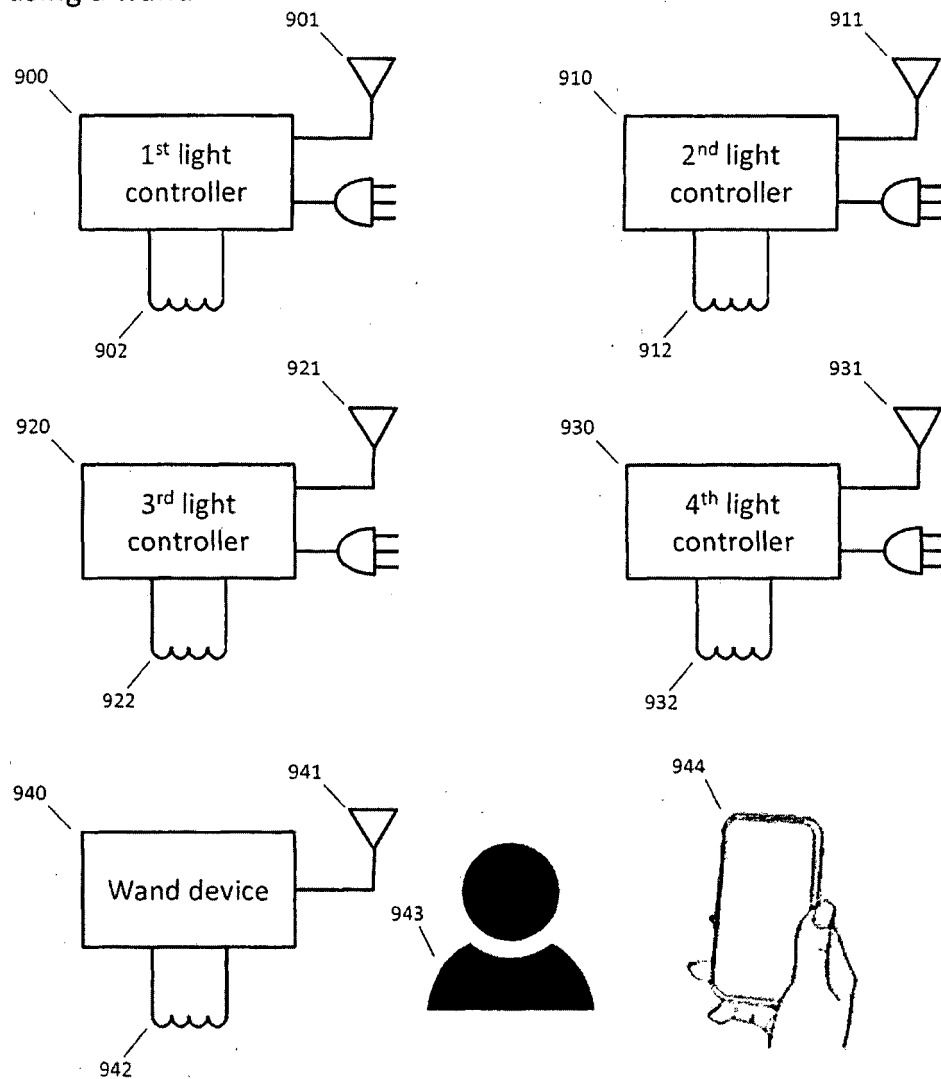


A generator arrangement

**Figure 7**

**Figure 8**

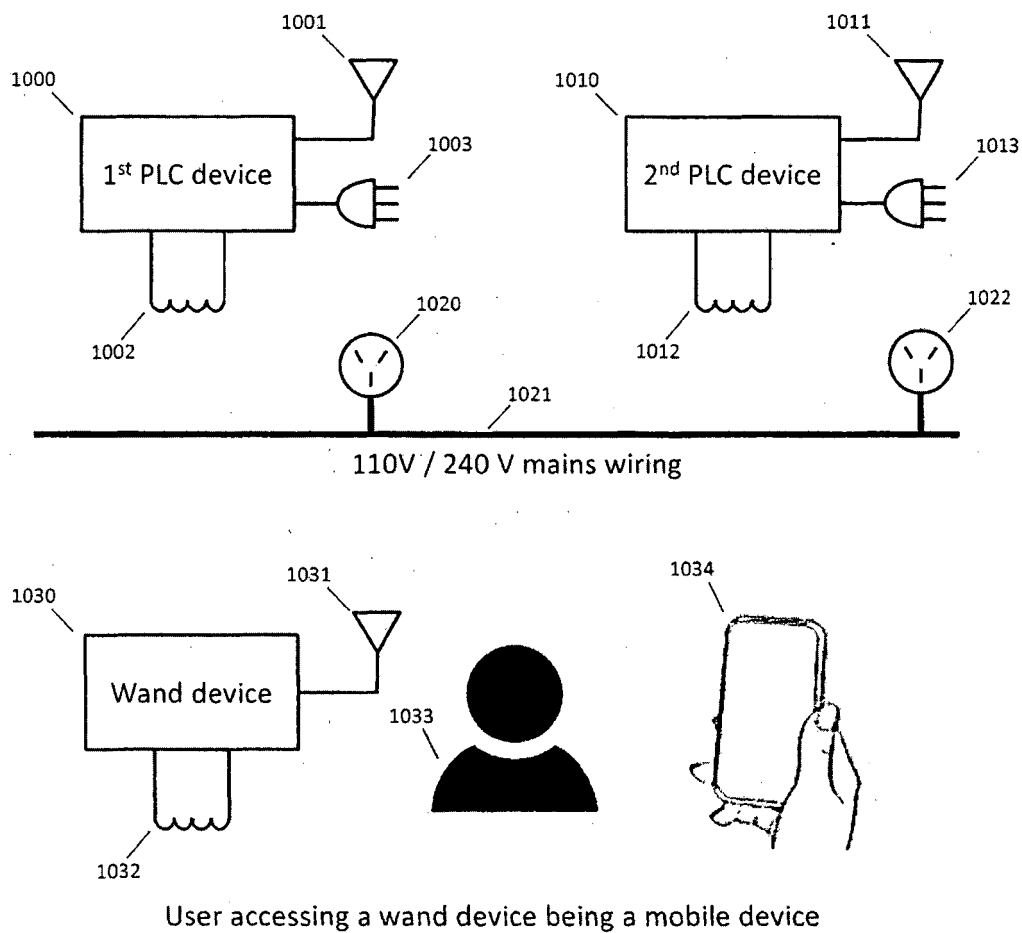
Arrangement of multiple devices connected to a wireless network using a wand



User accessing a wand device being a mobile device

Figure 9

Arrangement of multiple PLC gateways and a wand device

**Figure 10**

Arrangement including a PLC gateway, multiple PLC discoverable light controllers and a wireless light switch

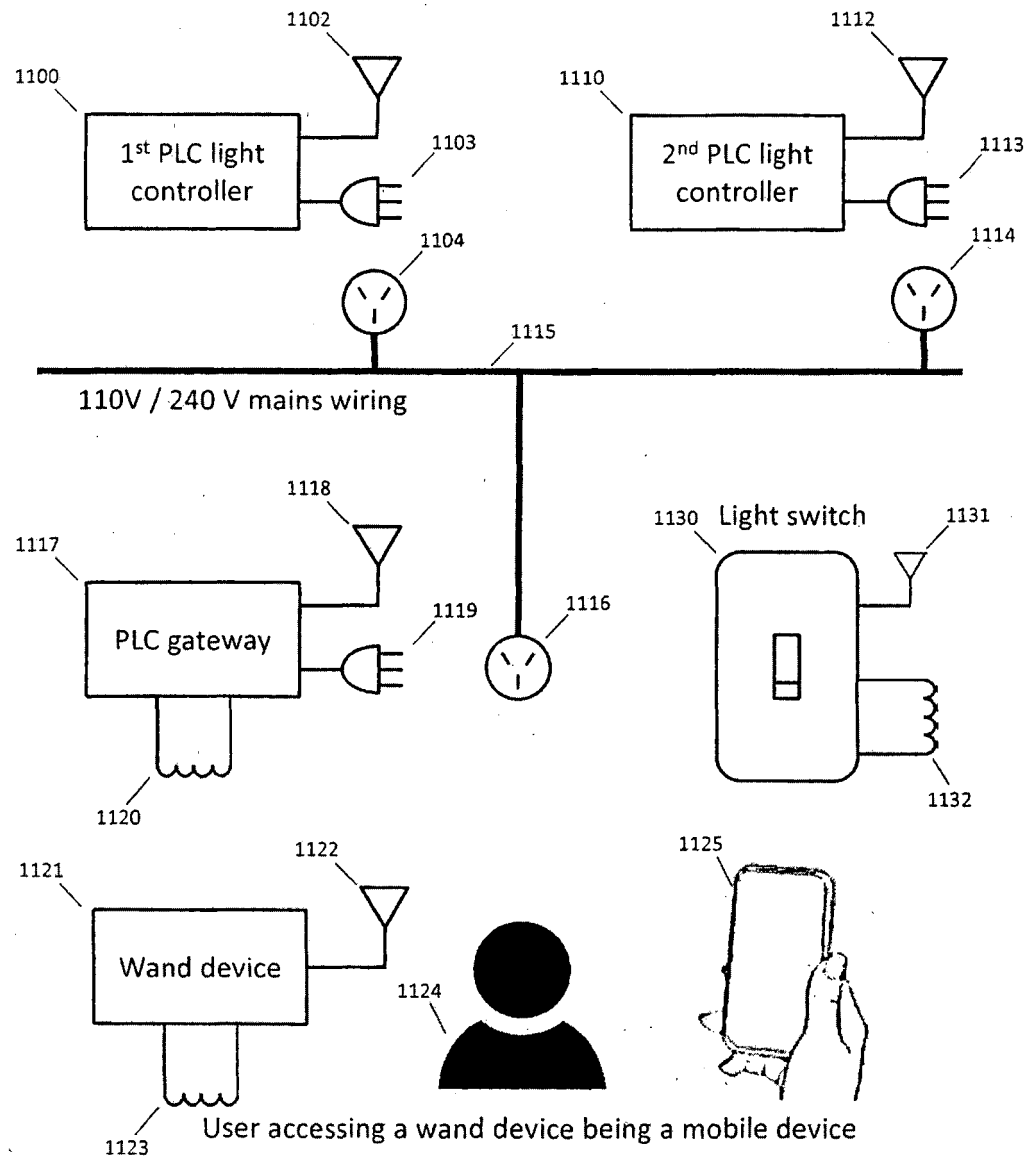


Figure 11

An arrangement of multiple light switches controlling a light controller

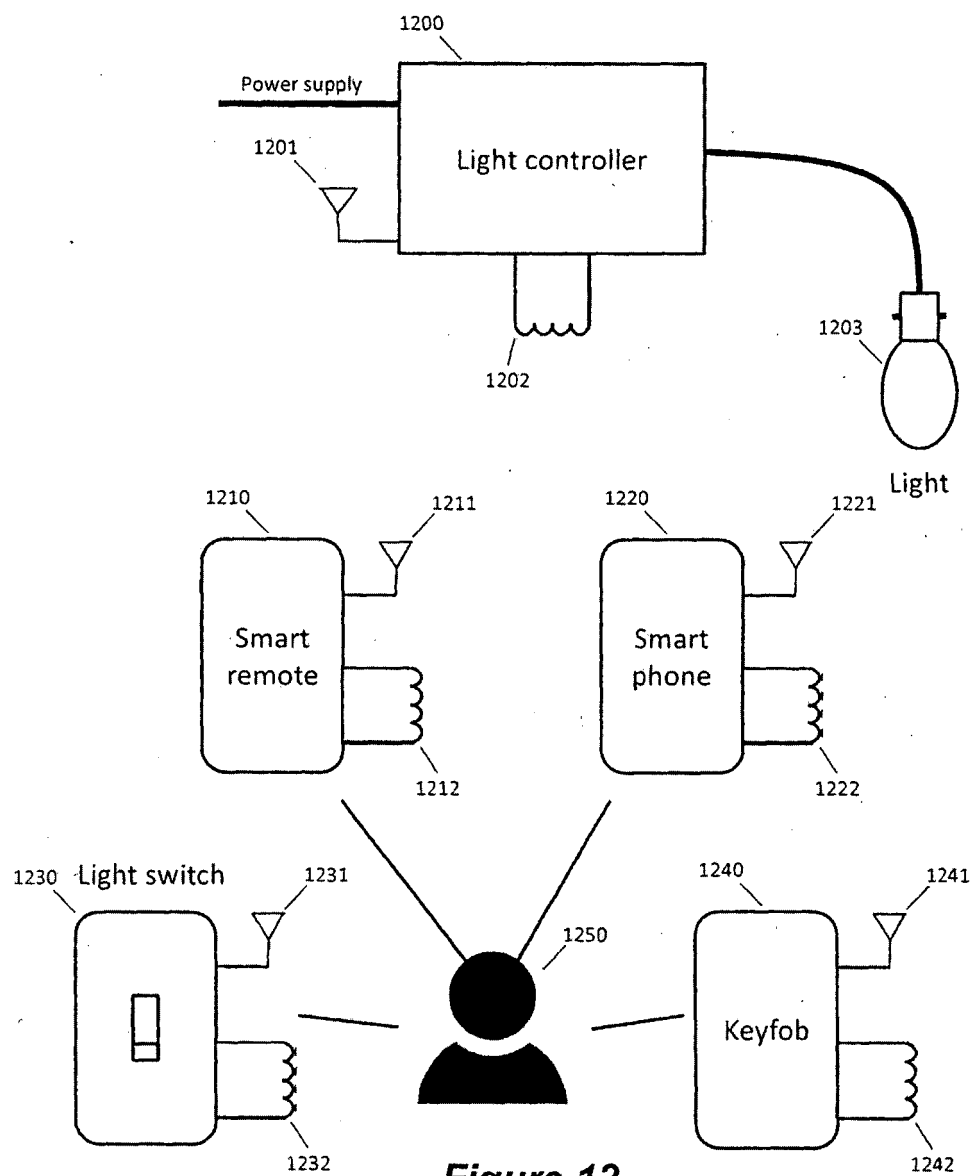


Figure 12

Device with integrated near field
data communication mechanism

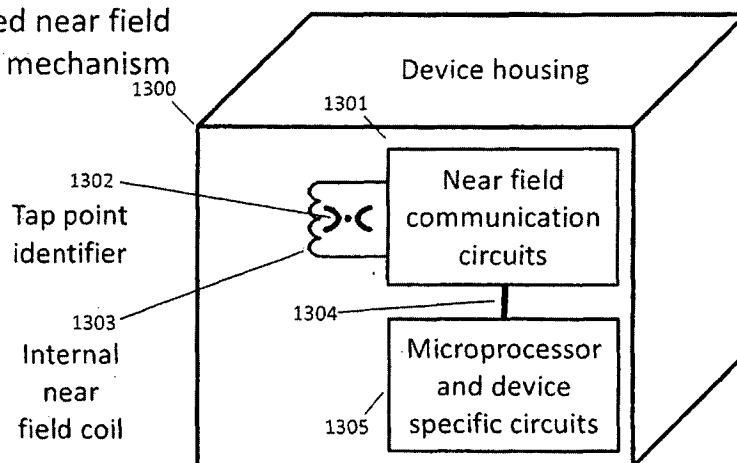


Figure 13a

Device with an integrated near
field communication mechanism

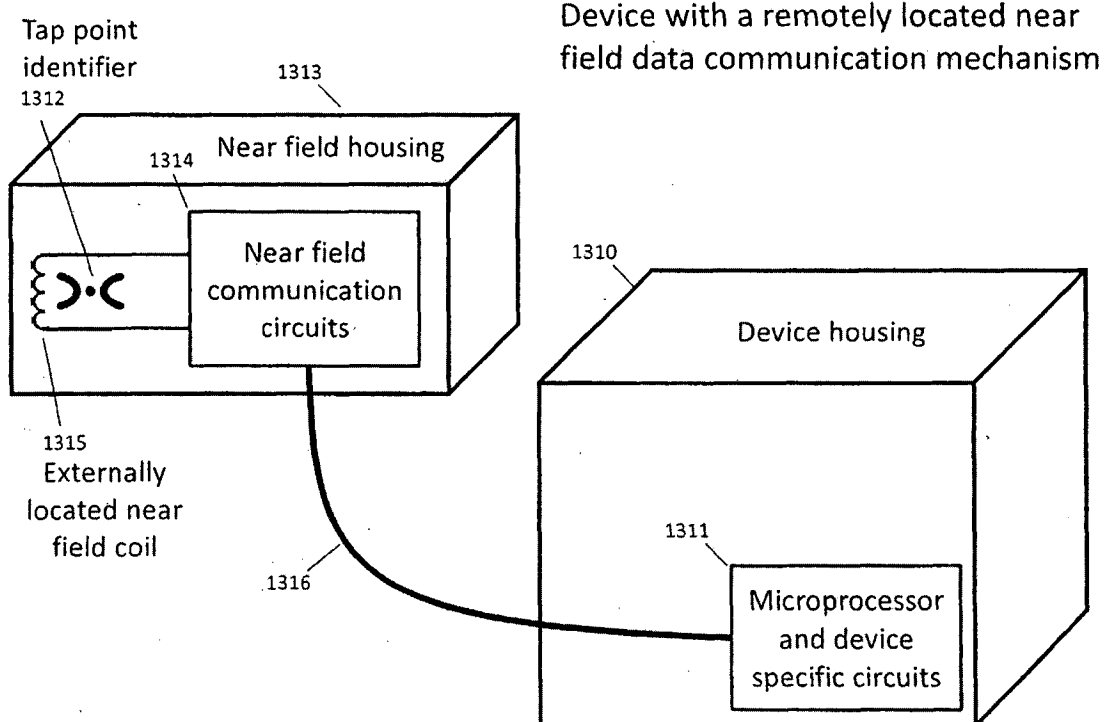


Figure 13b

Device with a remotely located near
field communication mechanism

An arrangement of a fixed device with a remote coil

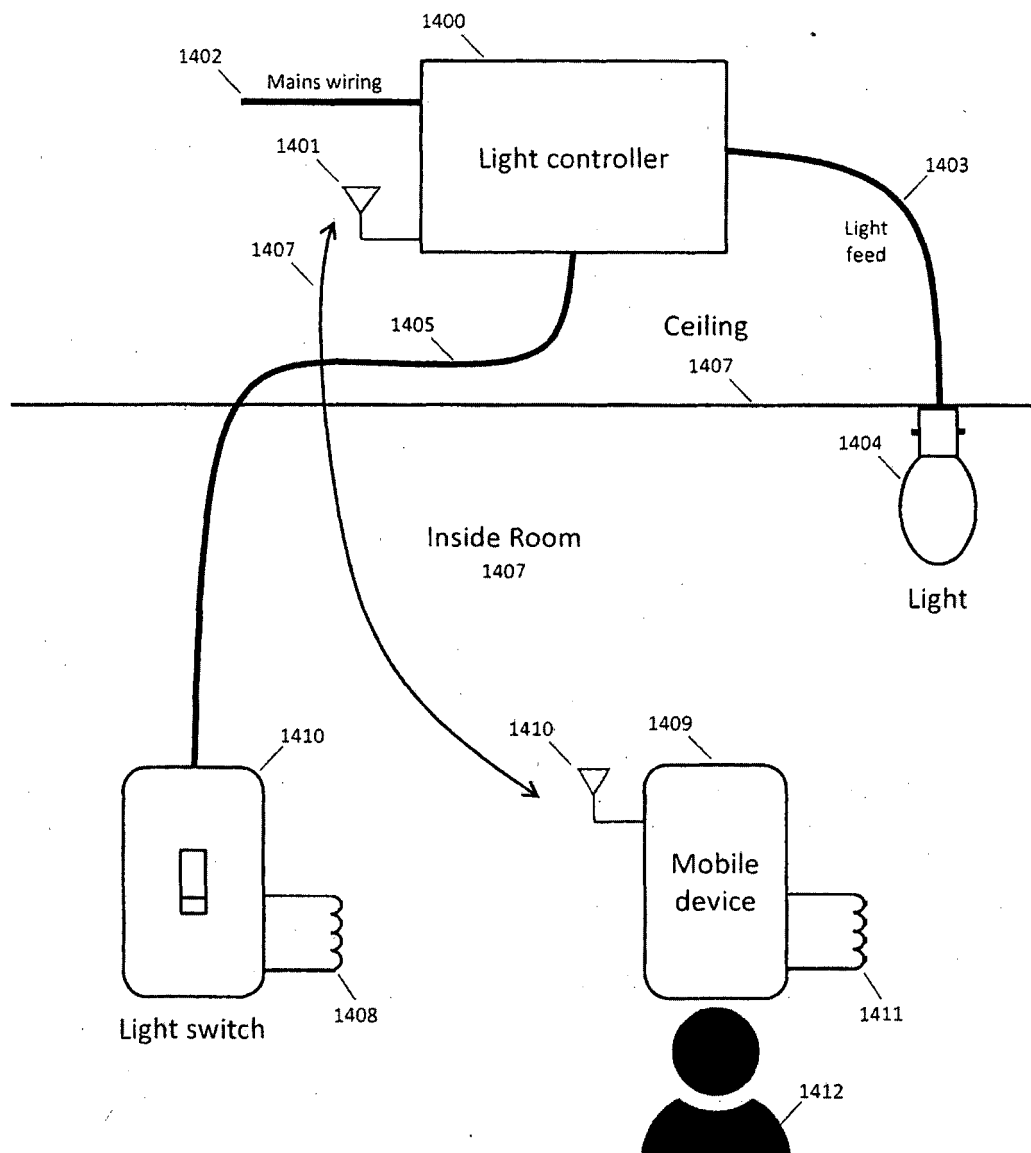
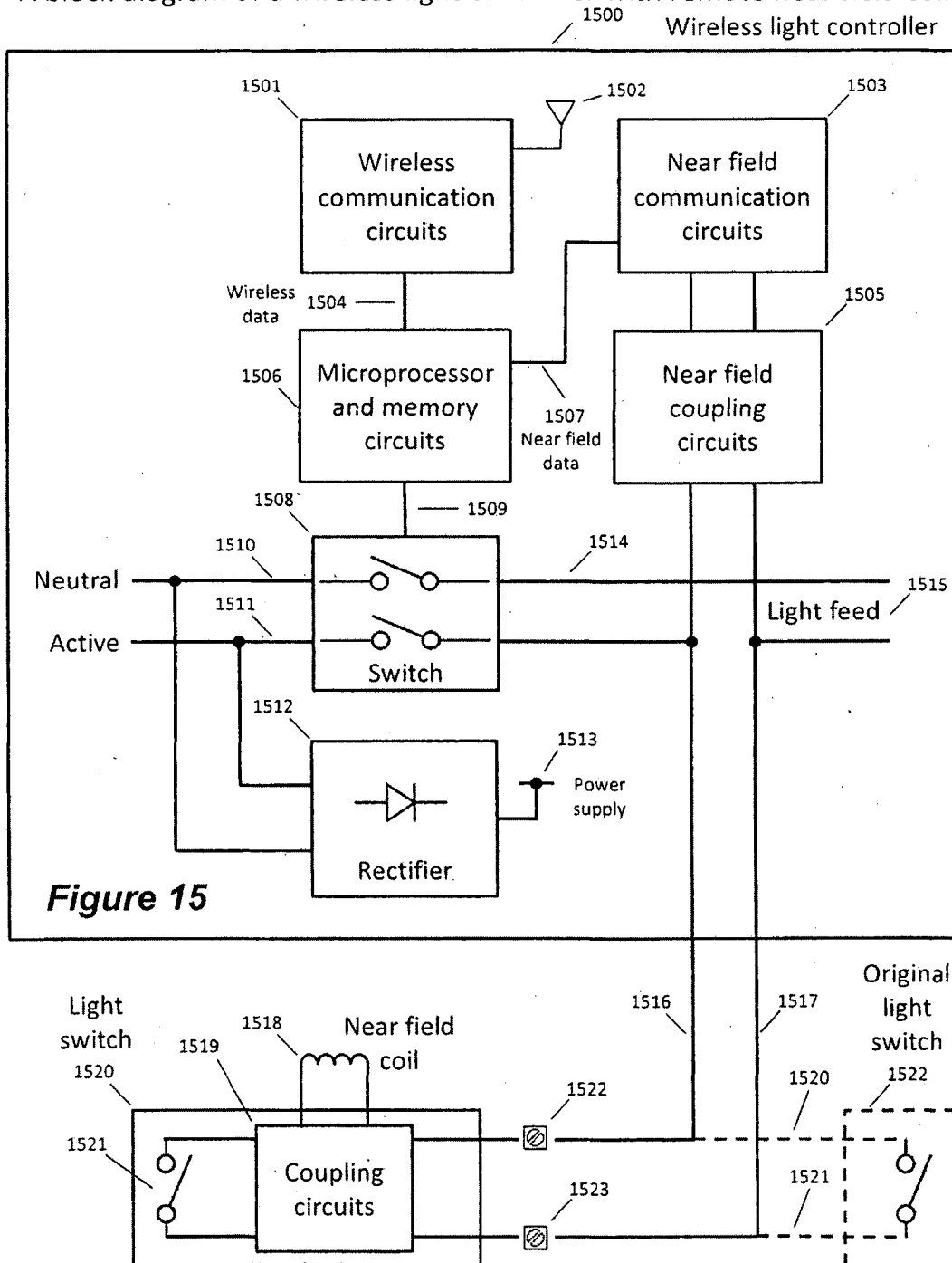


Figure 14

A block diagram of a wireless light controller with remote near field coil



A low voltage interface circuit for a light switch with built in near field coil

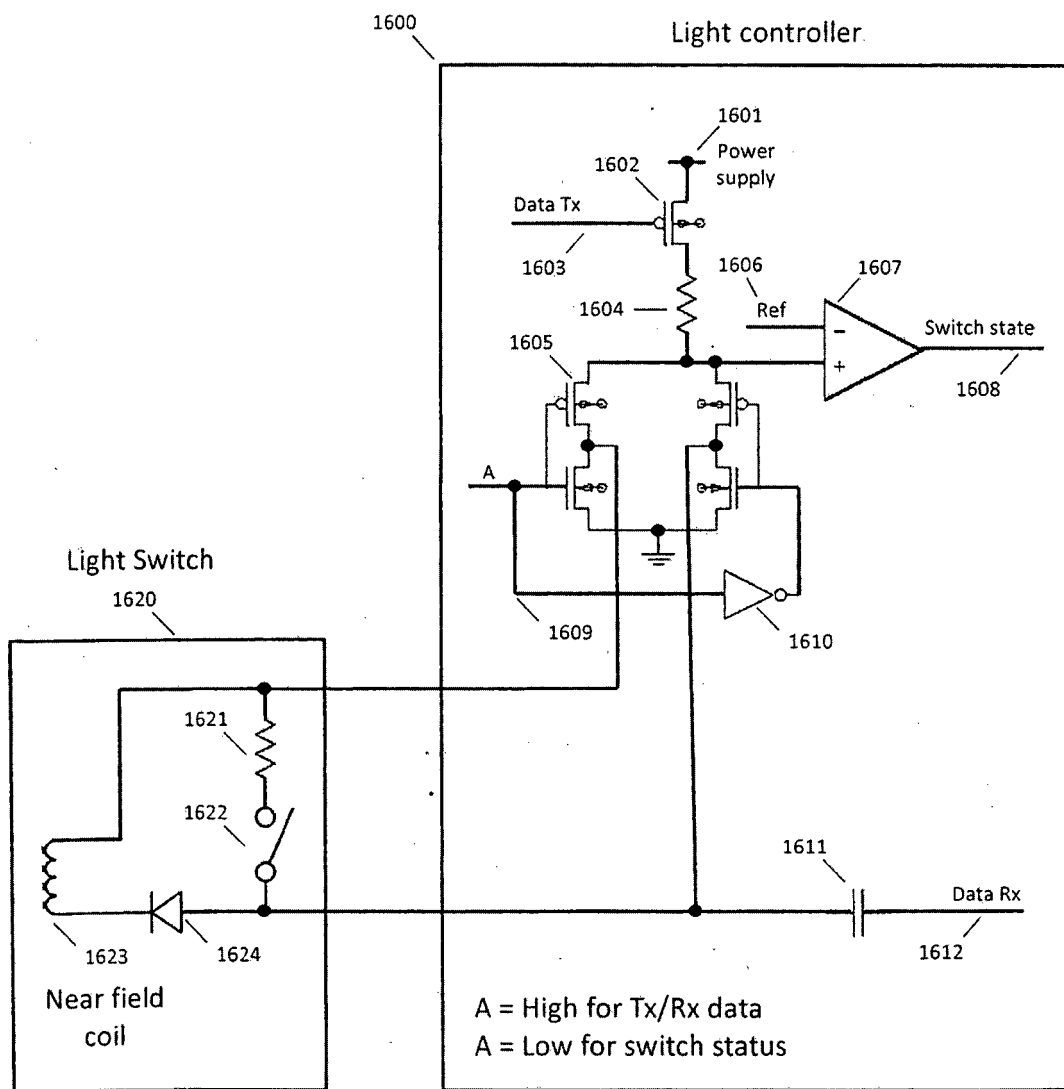


Figure 16

A block diagram of the processor circuits in a dongle device

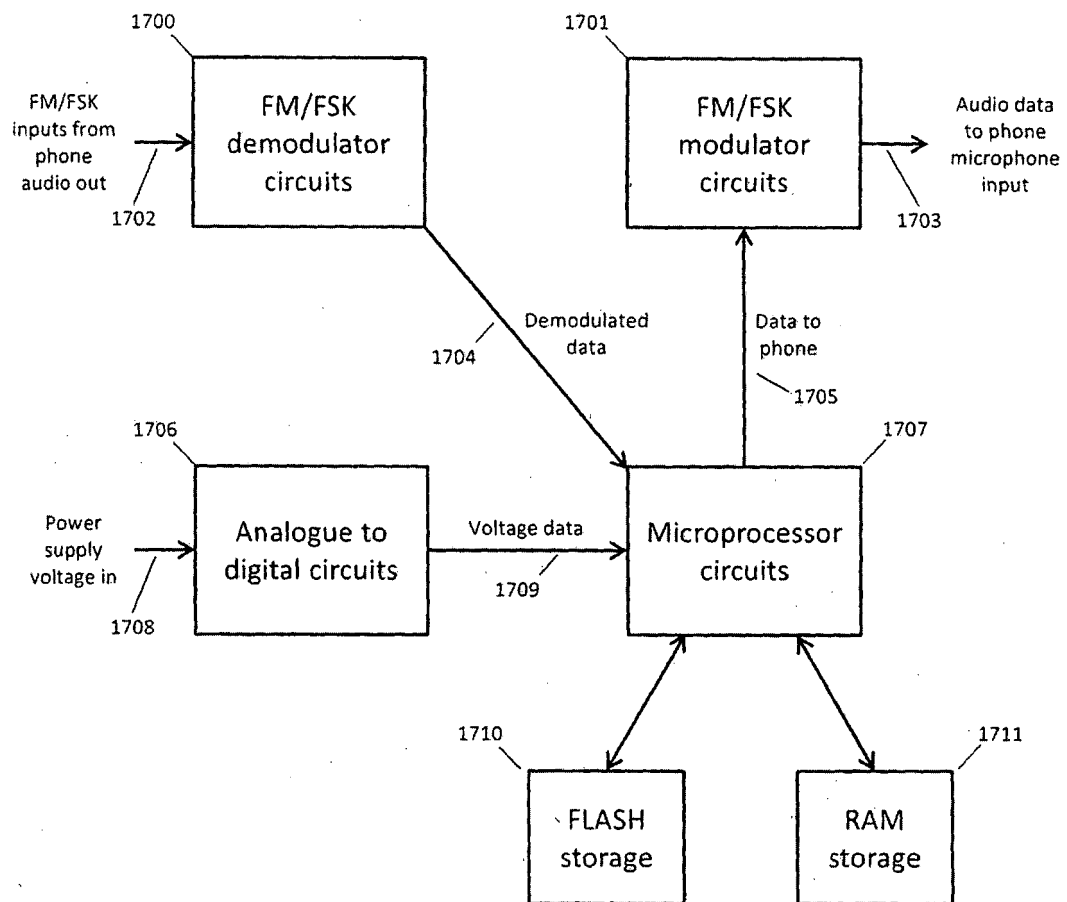


Figure 17

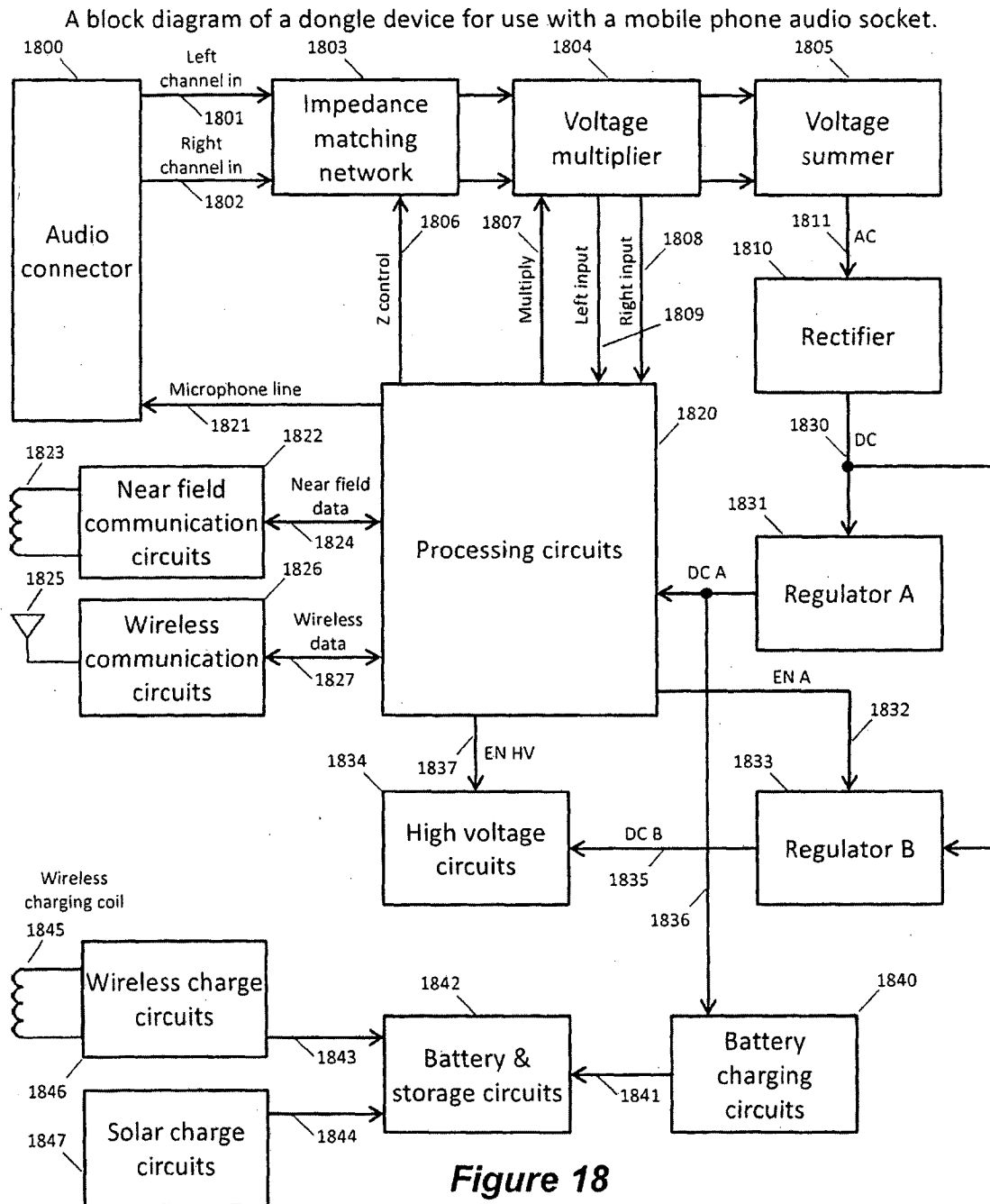
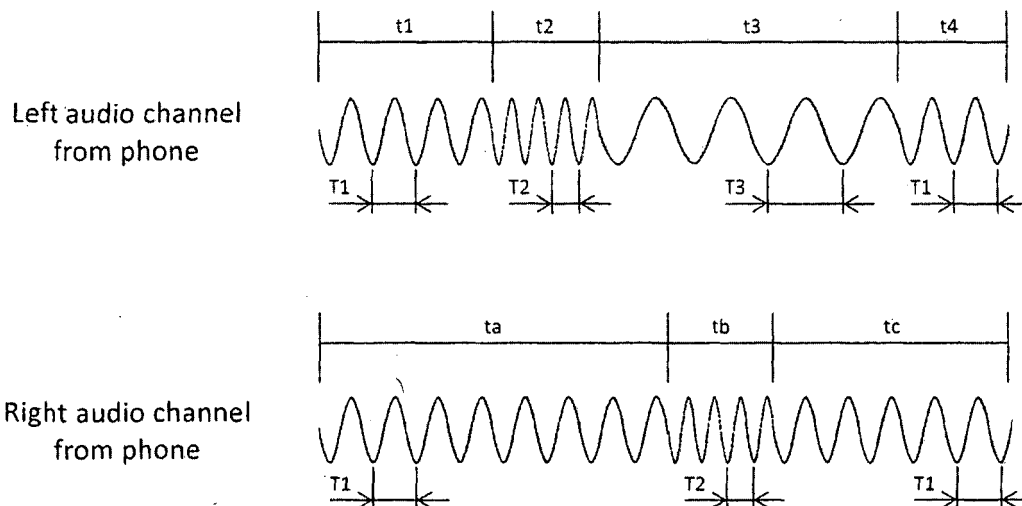
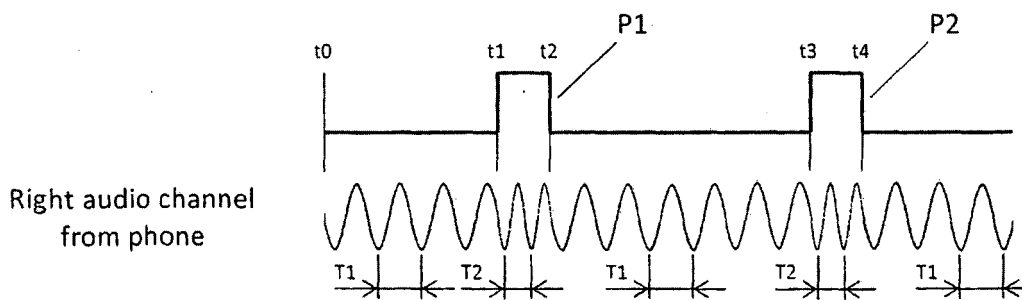


Figure 18

Audio channel data modulation

**Figure 19A**

Audio channel data modulation for near field ping data communication

**Figure 19B**

Impedance matching the phone to the dongle device

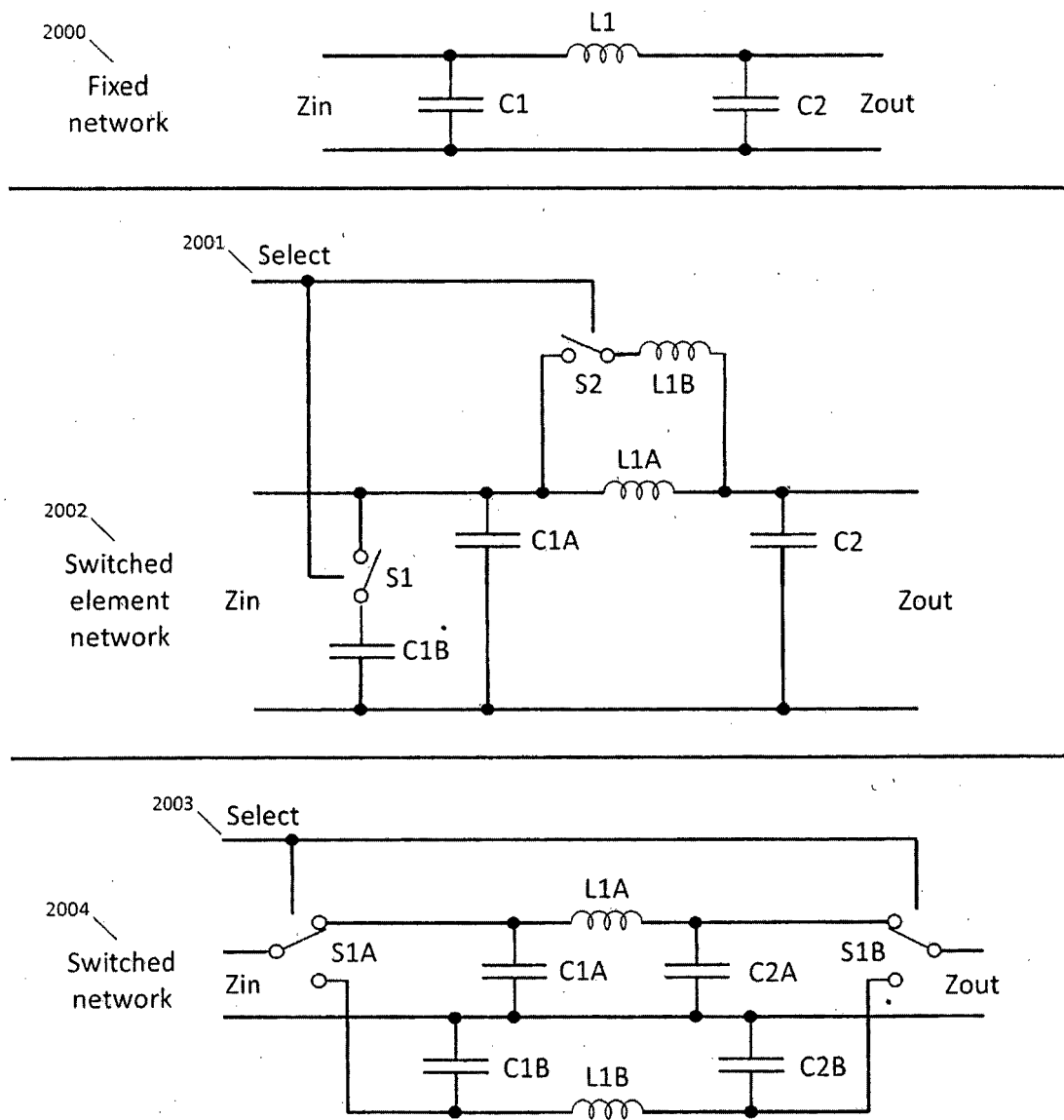


Figure 20

Voltage detection circuits used for adjusting a voltage multiplier

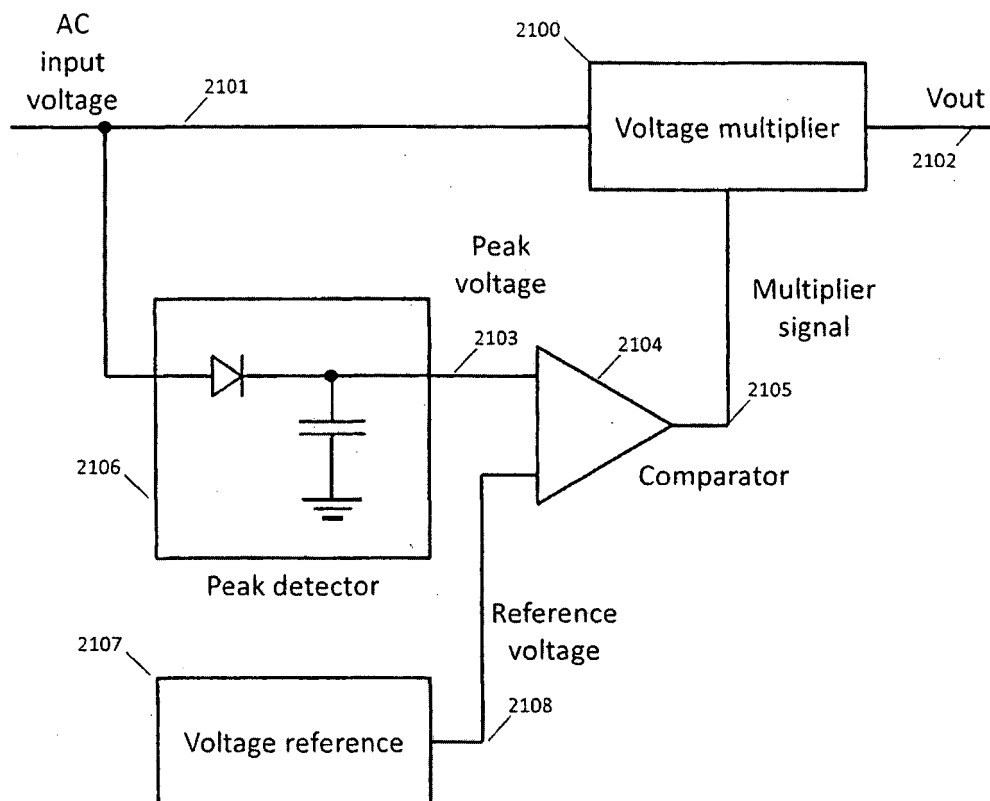


Figure 21

User selectable devices in a gateway arrangement

Step 1:

User taps a wand to a gateway and 5 other devices and assigns nicknames

2200 List displayed after tapping a gateway device	Gateway Devices 2201 Lounge Light 1 Lounge Light 2 Lounge Light 3 Lounge Light 4 Bedroom 1 Light Bedroom 2 Light Hall Light	Devices 2202 Hall Light Switch Front Hall Light Switch Back Lounge Light Switch Bedroom 1 Light Switch Bedroom 2 Light Switch	2203 2204 List displayed after tapping 5 devices

Step 2:

User drags devices into matched groups

2205 List displayed after grouping gateway devices	Gateway Devices 2201 Lounge Light 1 Lounge Light 2 Lounge Light 3 Lounge Light 4	Devices 21012 202 Lounge Light Switch	2208 List displayed after grouping devices
	Bedroom 1 Light	Bedroom 1 Light Switch	
	Bedroom 2 Light	Bedroom 2 Light Switch	
	Hall Light	Hall Light Switch Front Hall Light Switch Back	

Figure 22

A method used to establish a communication link between a first and second device, using a third device

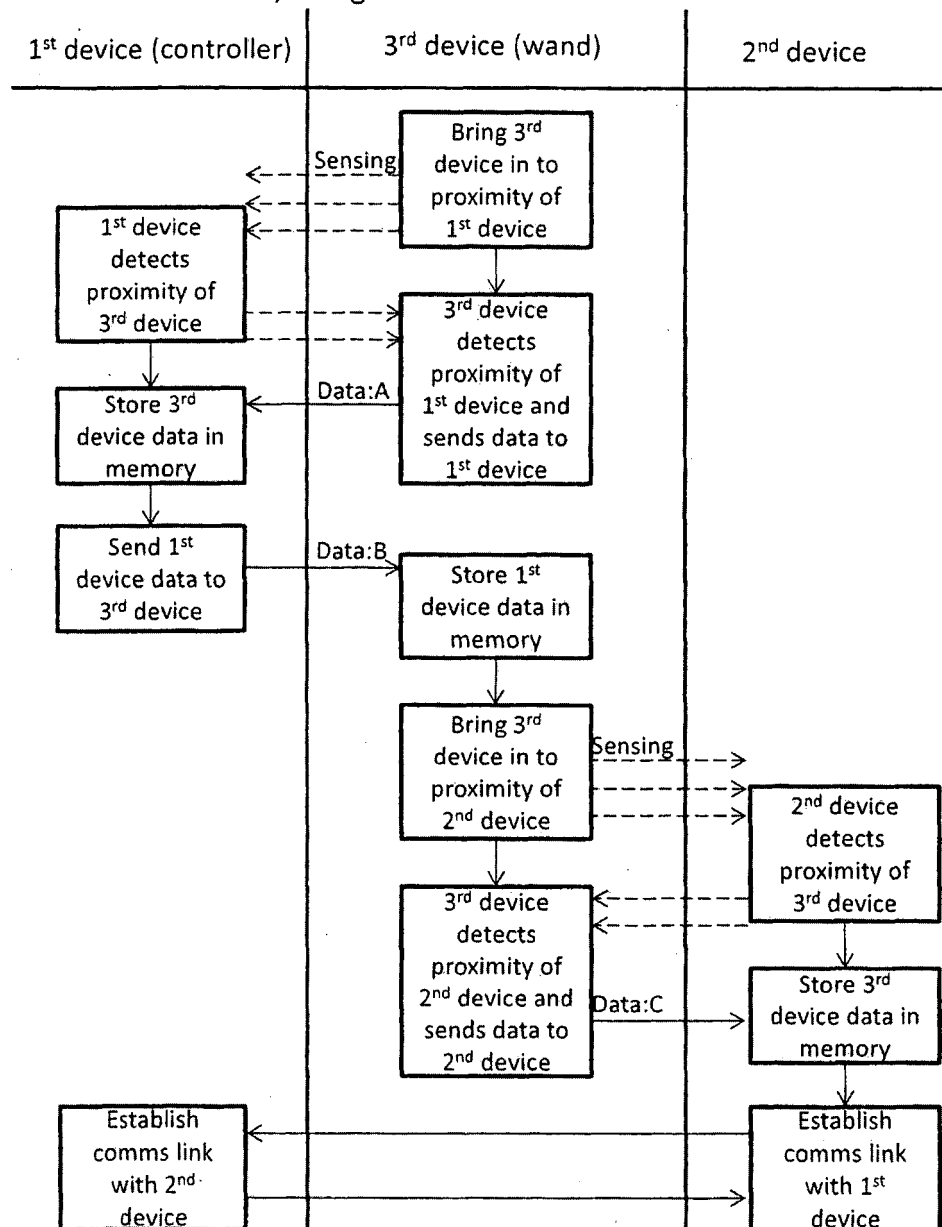


Figure 23

A method used to establish a communication link between a first and second device, using a third device and configuration details supplied by a user

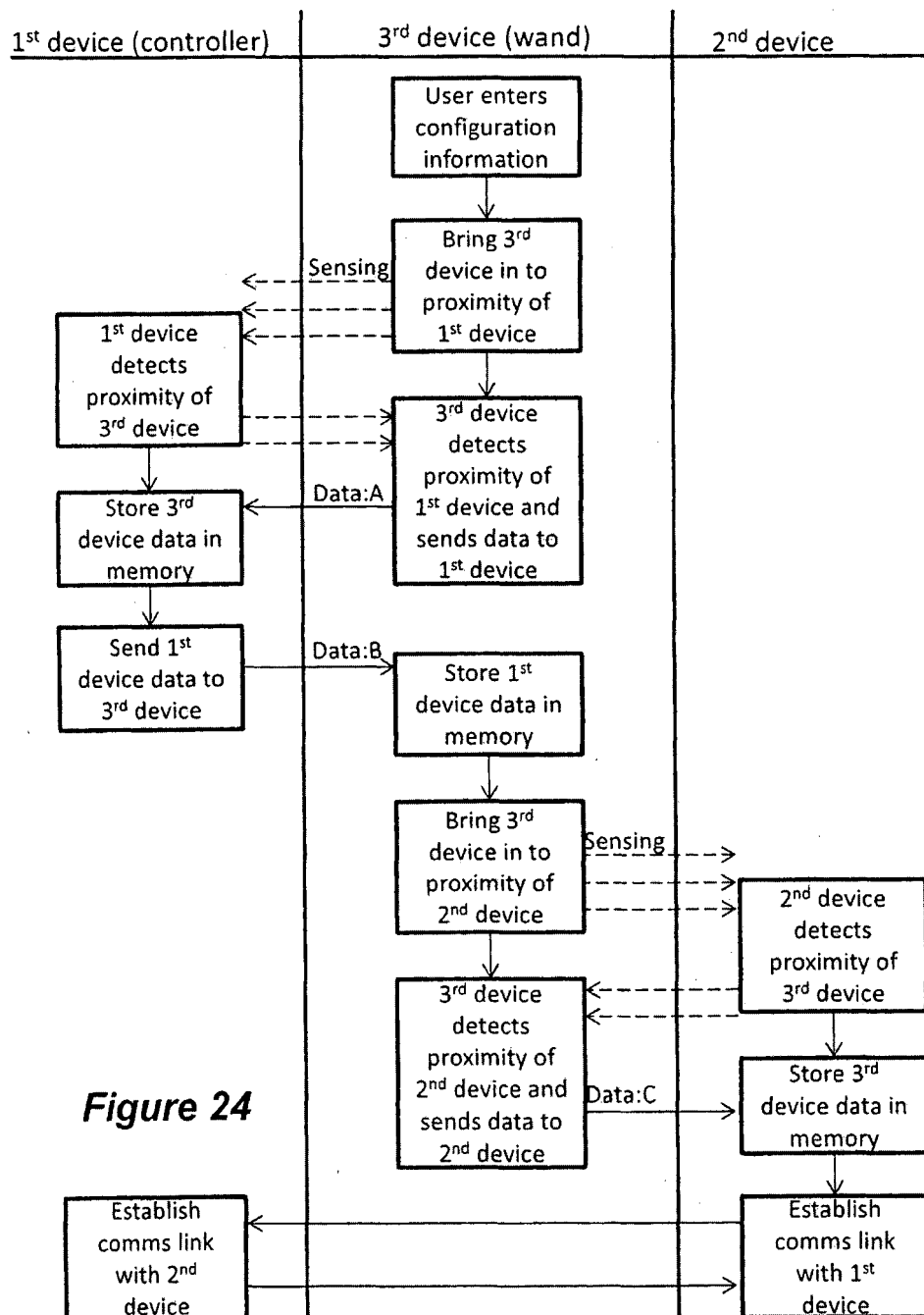


Figure 24

A method used to establish a communication link between a first device and second device having further associated devices, using a third device

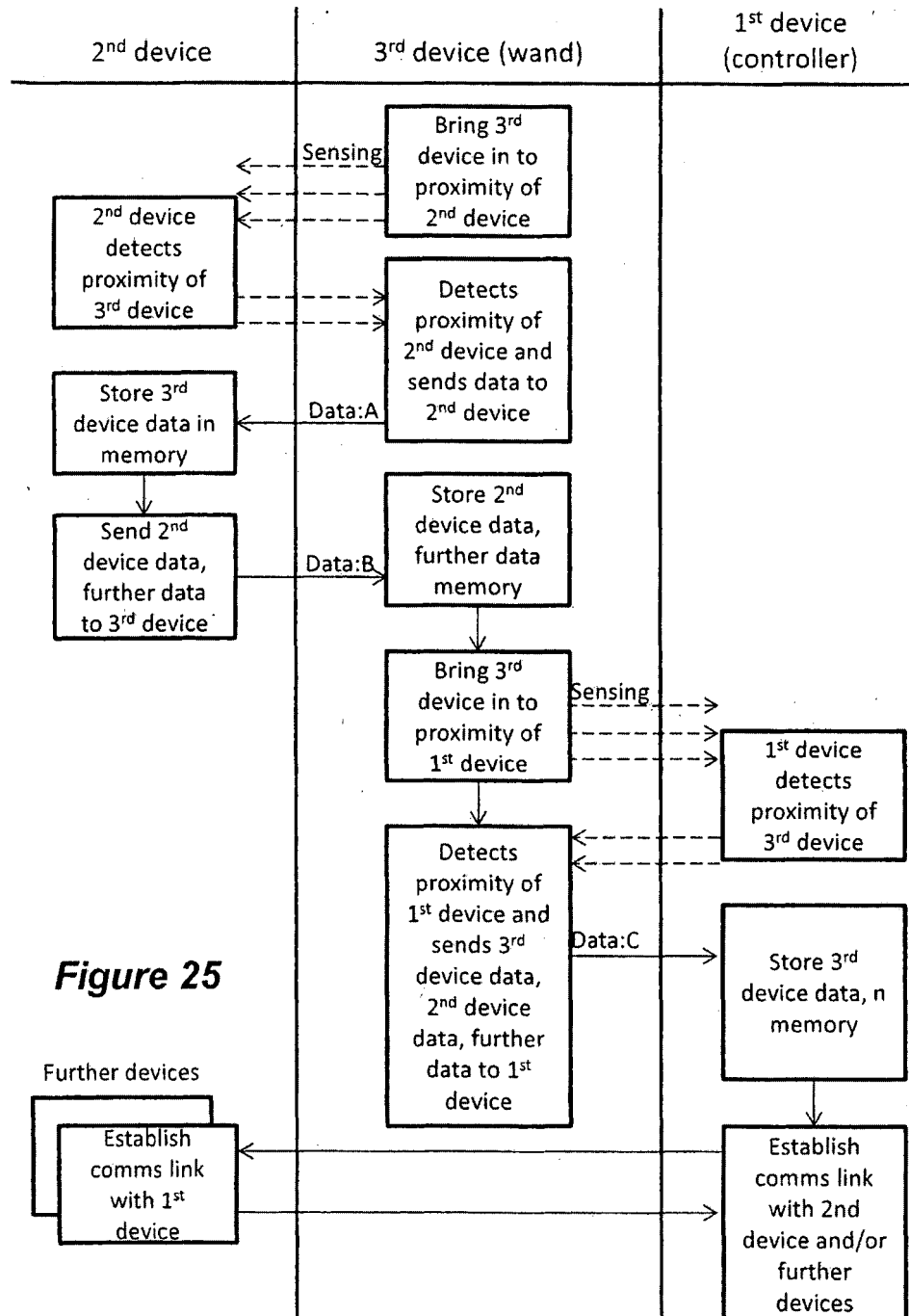


Figure 25

A method used to establish a transfer of electrical energy between a third device and a first device using time multiplexed carrier and data

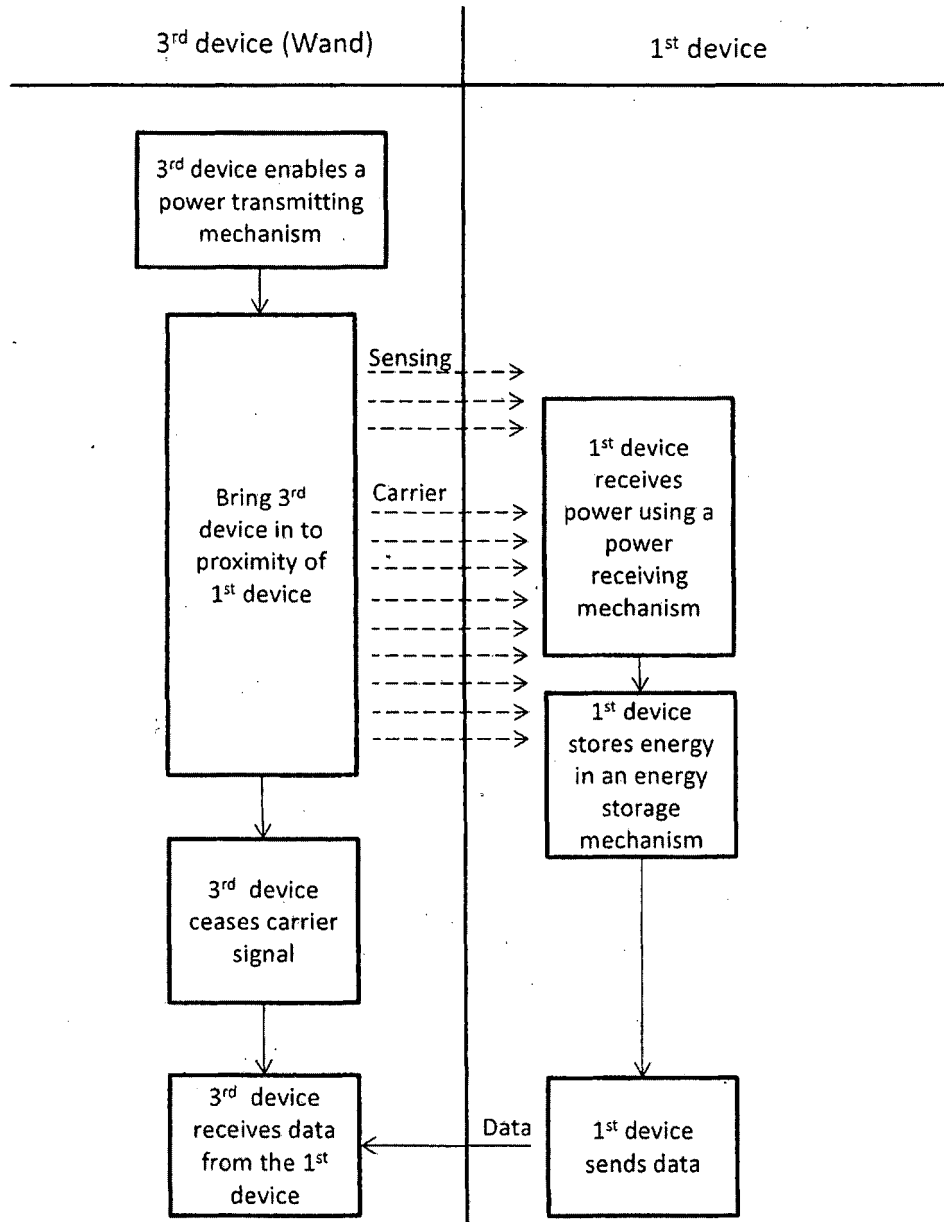


Figure 26

A method used to establish a transfer of electrical energy between a third device and a first device using time multiplexed carrier and data and an automatic detection mechanism

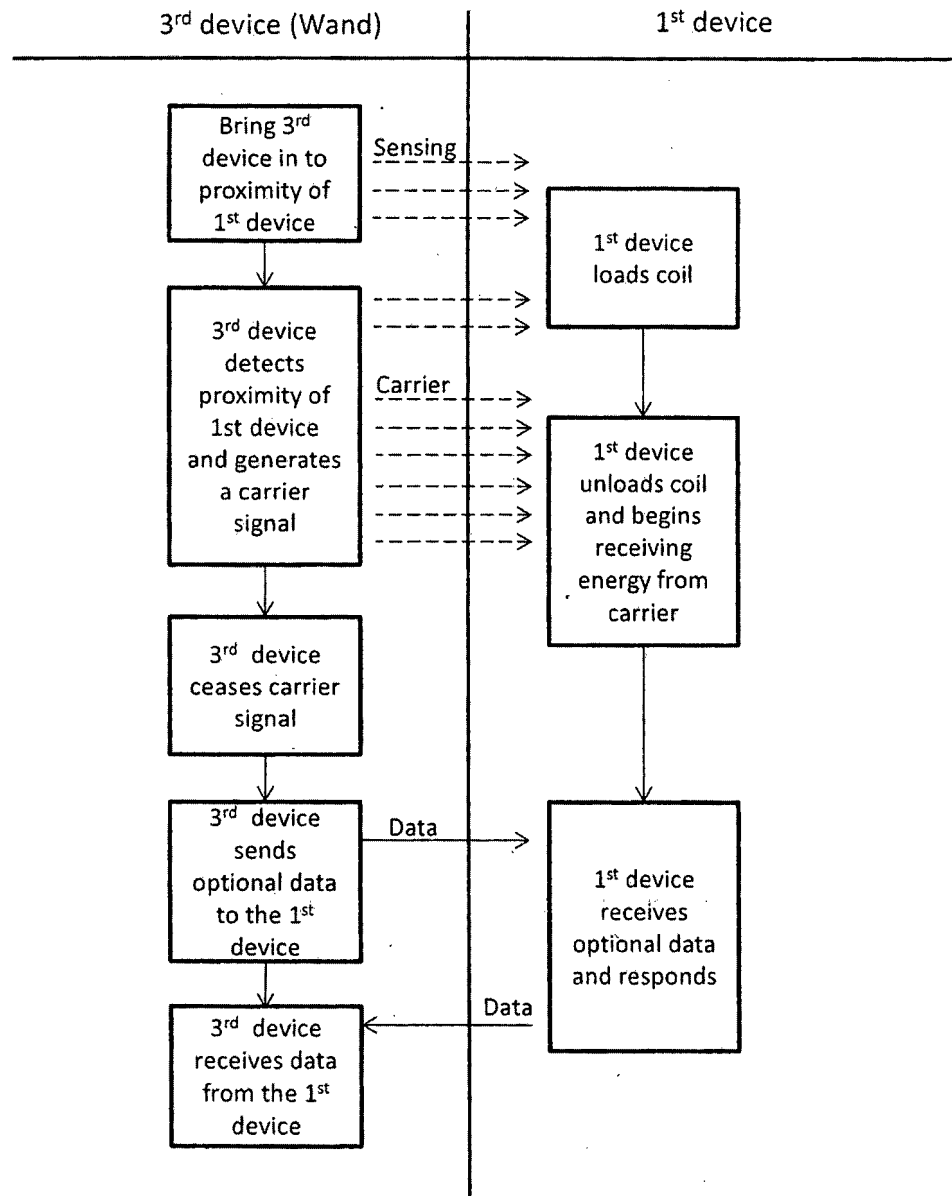


Figure 27

A method used to establish a transfer of electrical energy between a third device and a first device using a sustained carrier

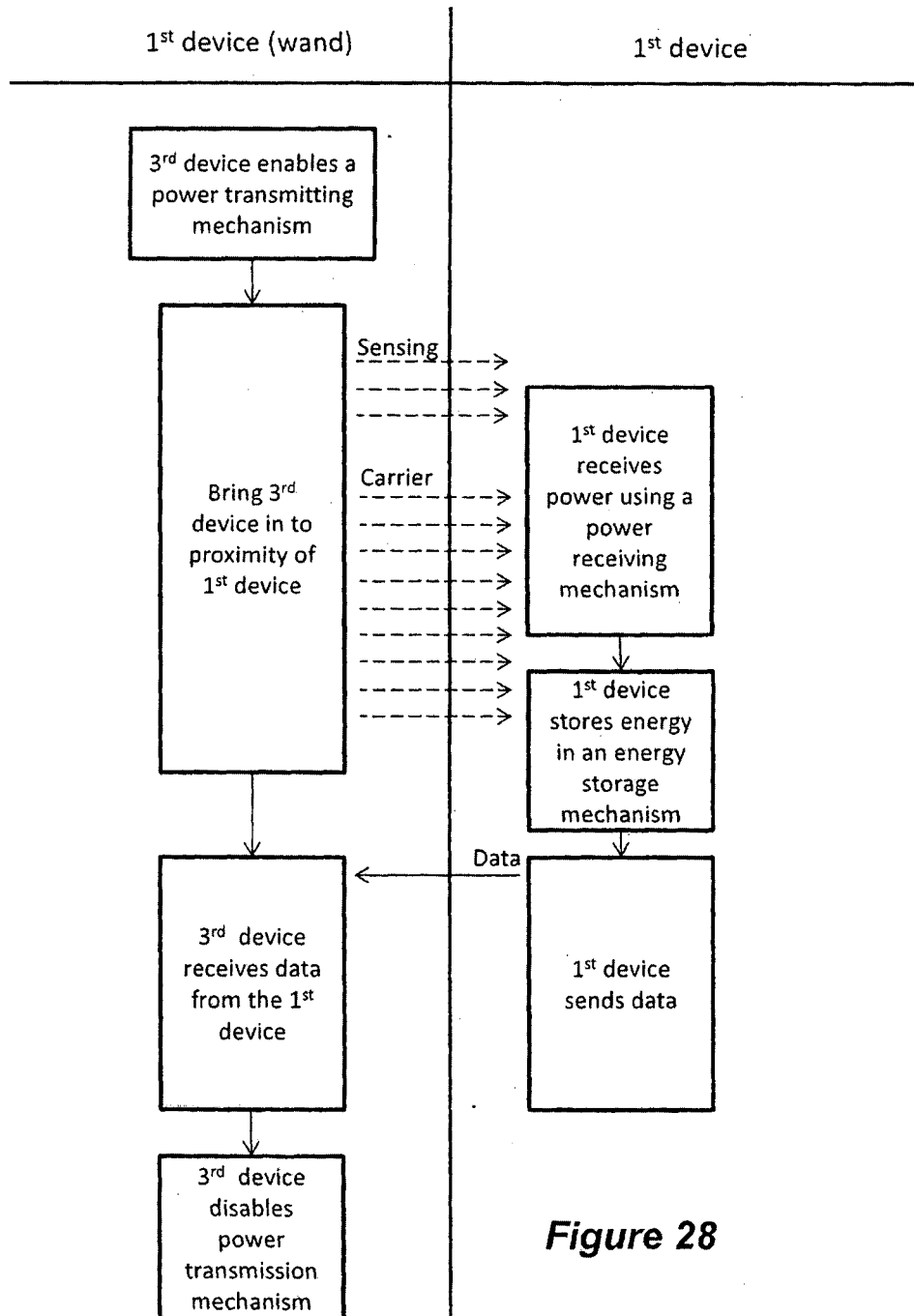


Figure 28