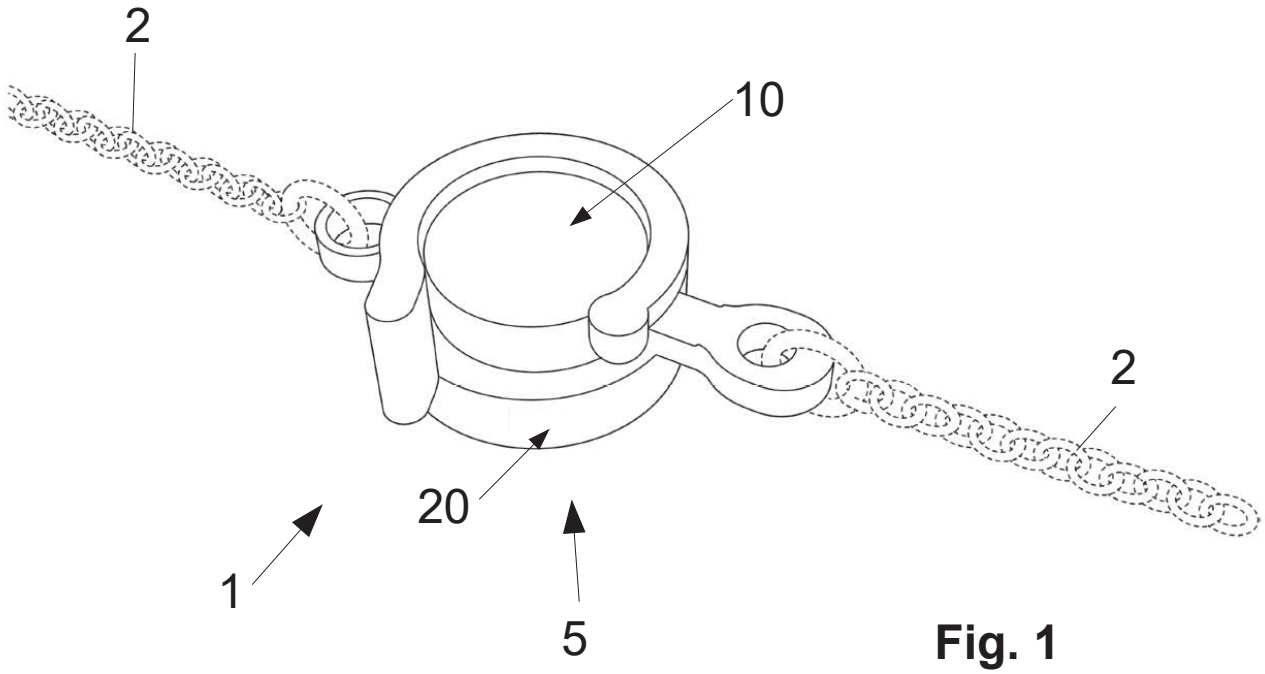


Fig. 1

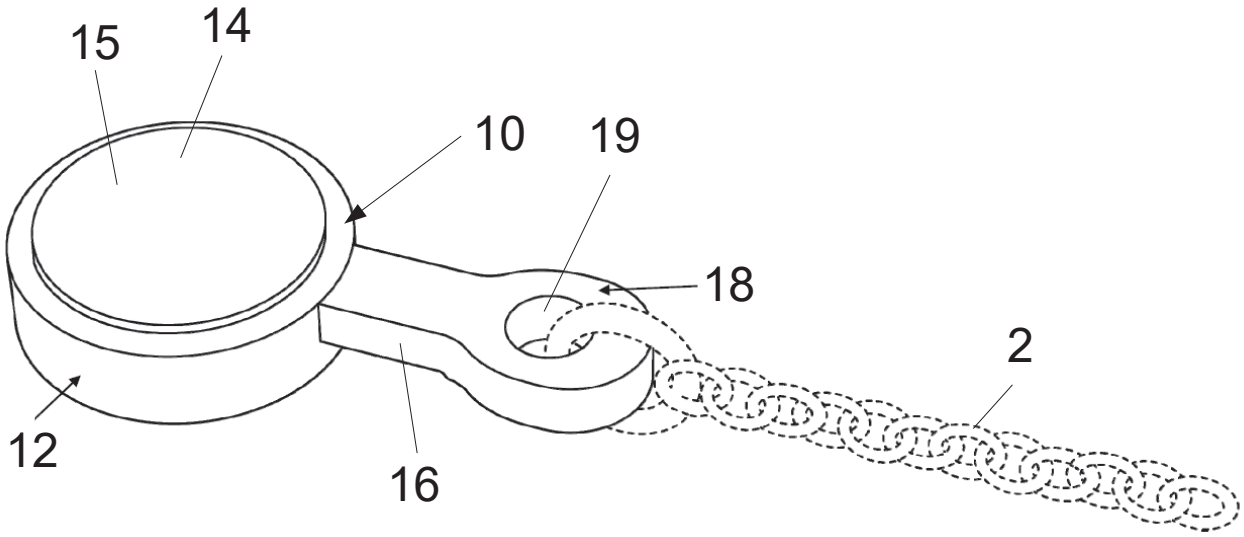


Fig. 2

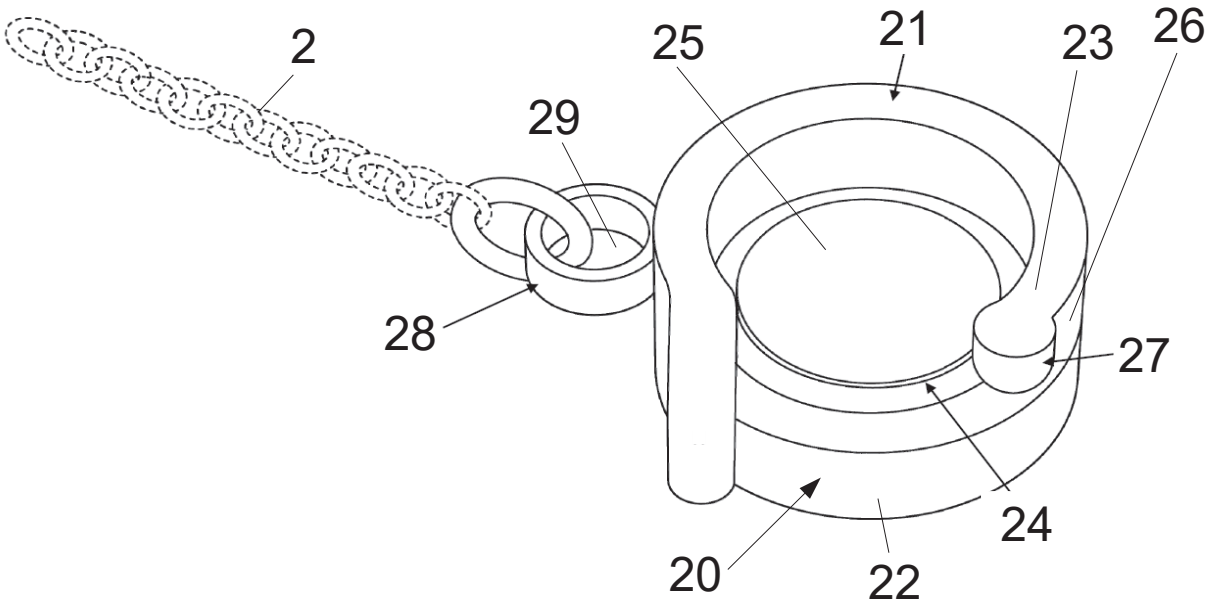


Fig. 3

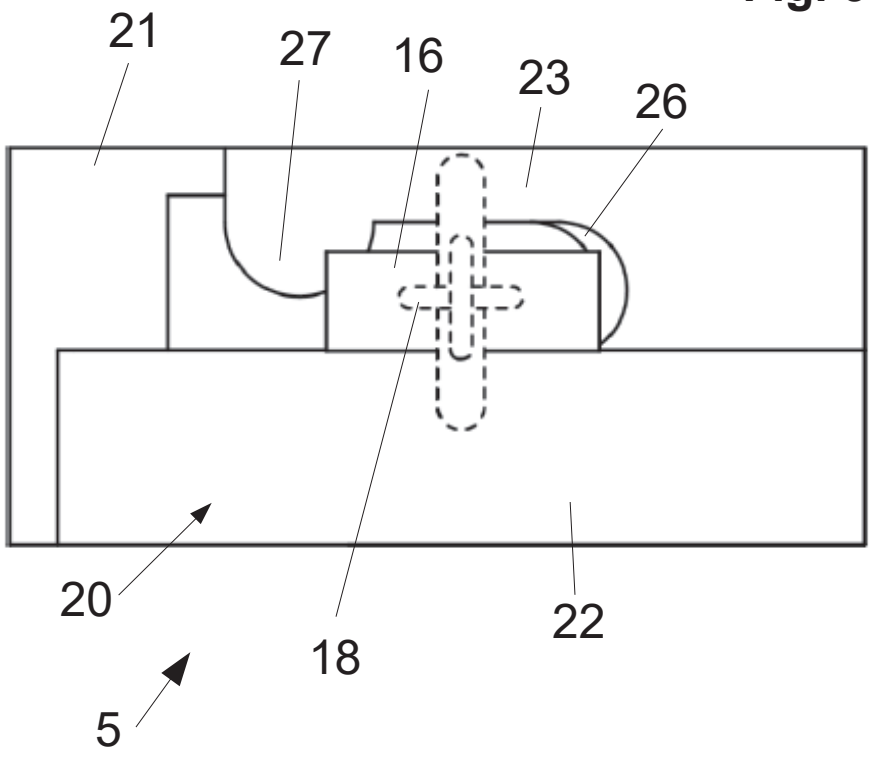


Fig. 4

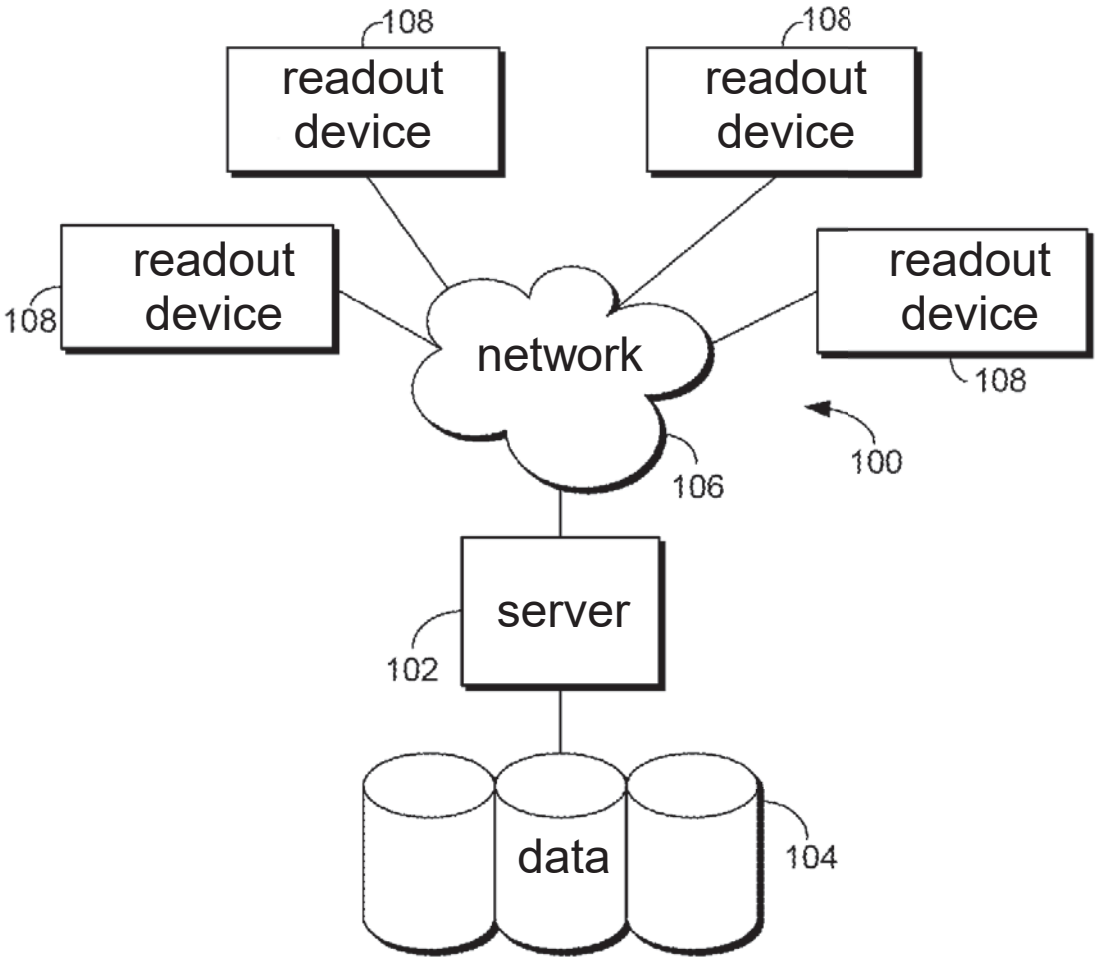

108
readout device
108
readout device
readout device
108
readout device
108
network
100
106
server
102
data
104

Fig. 5

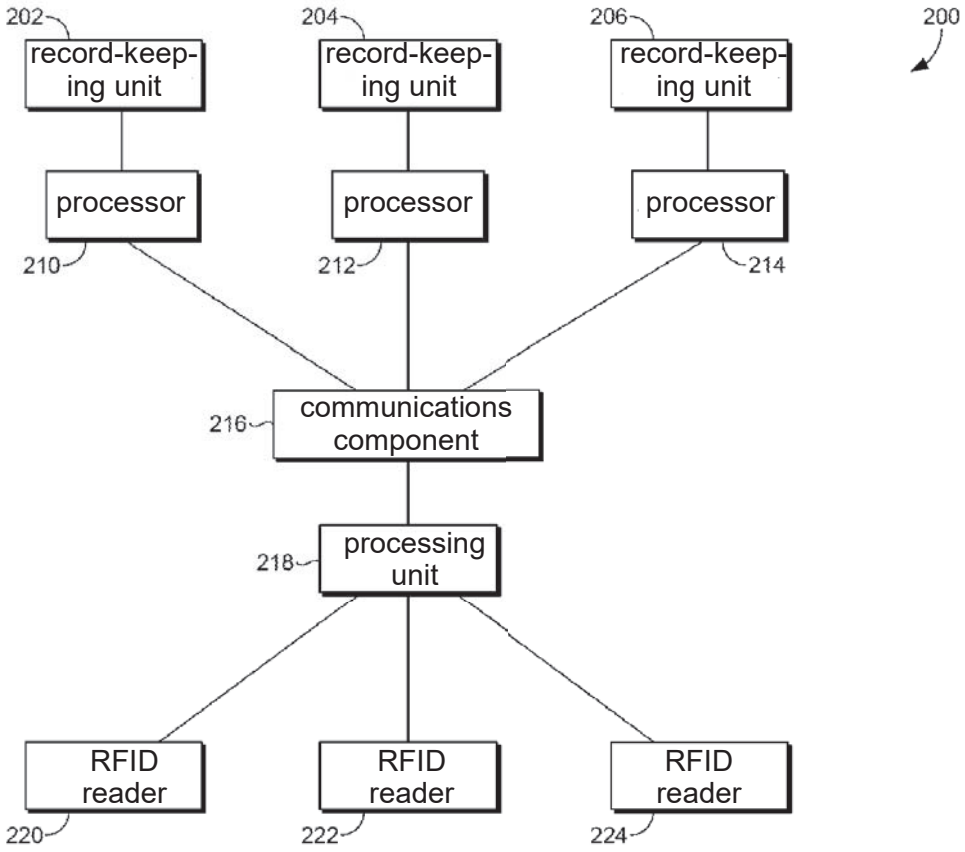

202
record-keep-ing unit
204
record-keep-ing unit
206
record-keep-ing unit
200
processor
processor
processor
210
212
214
216
communications component
218
processing unit
RFID reader
RFID reader
RFID reader
220
222
224

Fig. 6

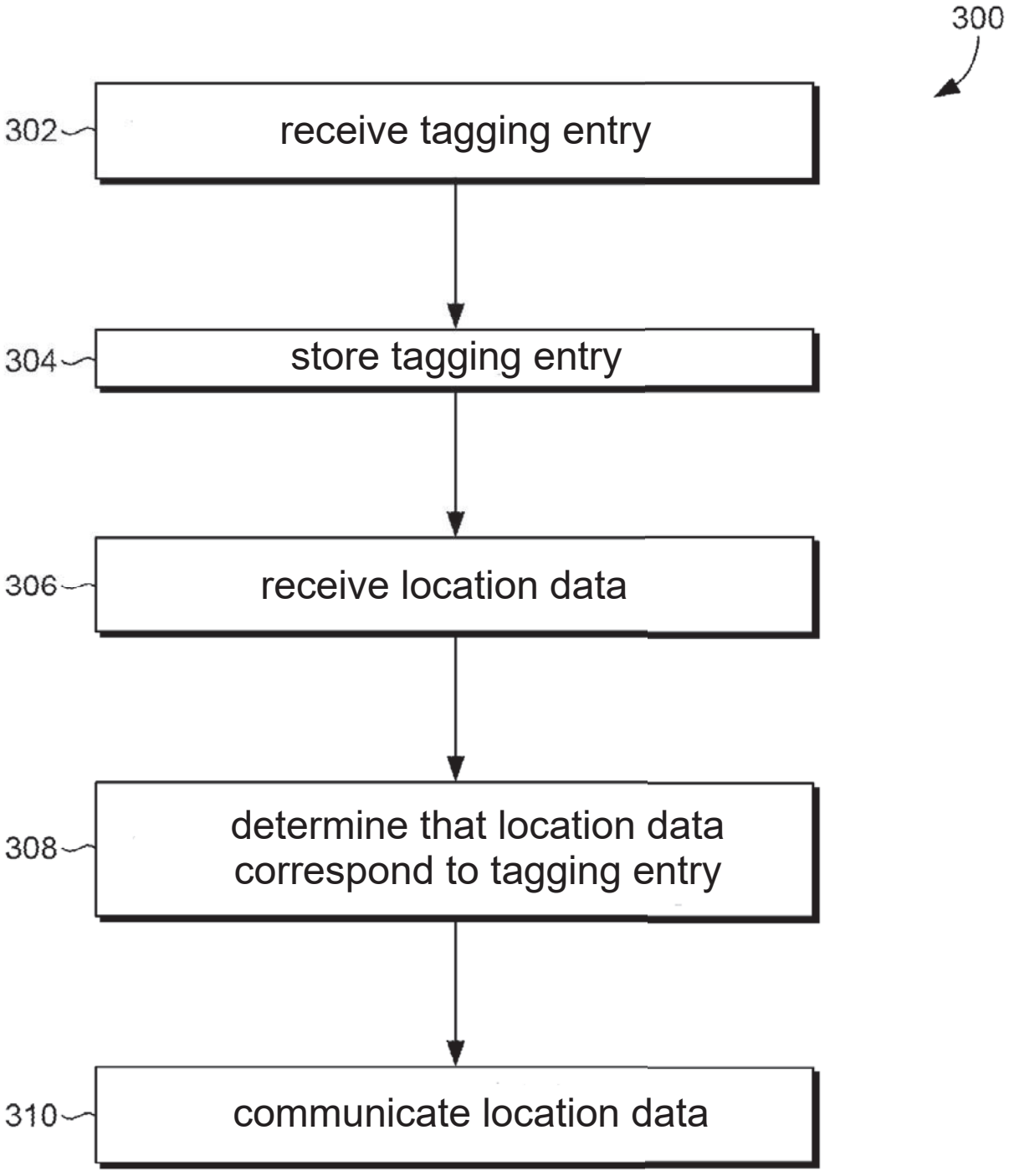

300
302
receive tagging entry
304
store tagging entry
306
receive location data
308
determine that location data correspond to tagging entry
310
communicate location data

Fig. 7

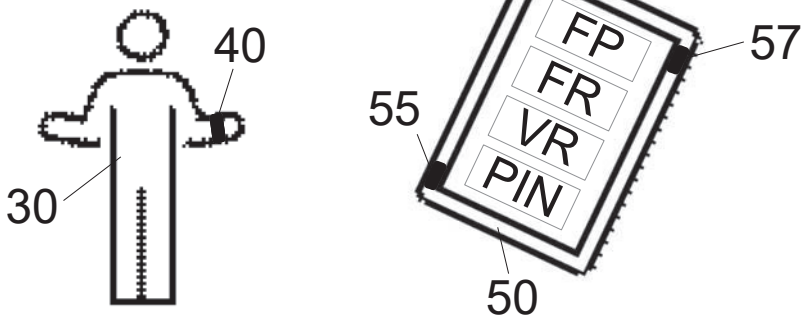


Fig. 8

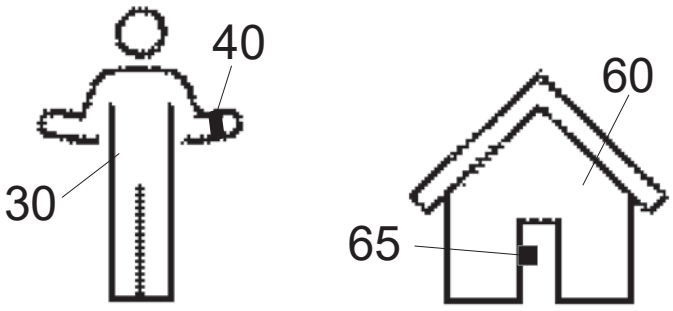


Fig. 9

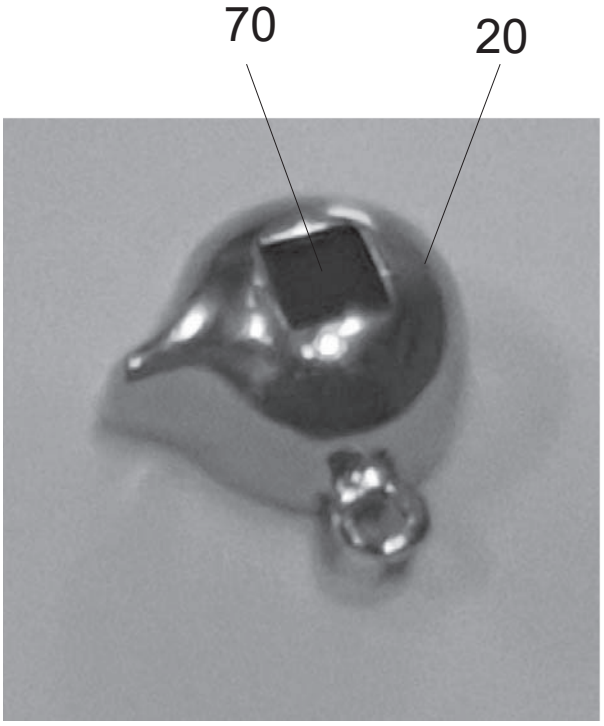


Fig. 10

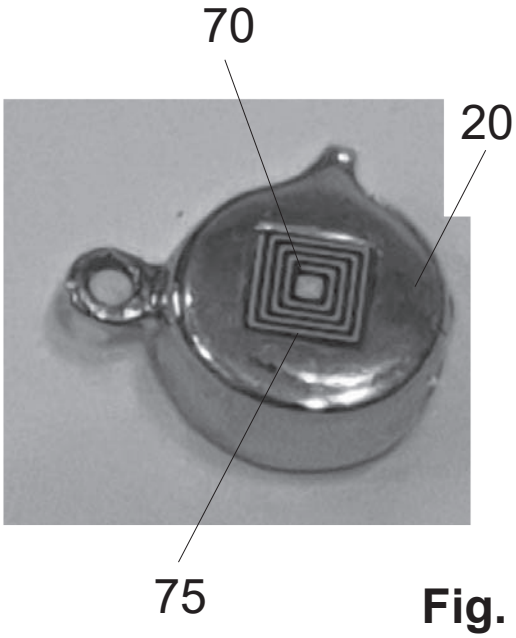


Fig. 11

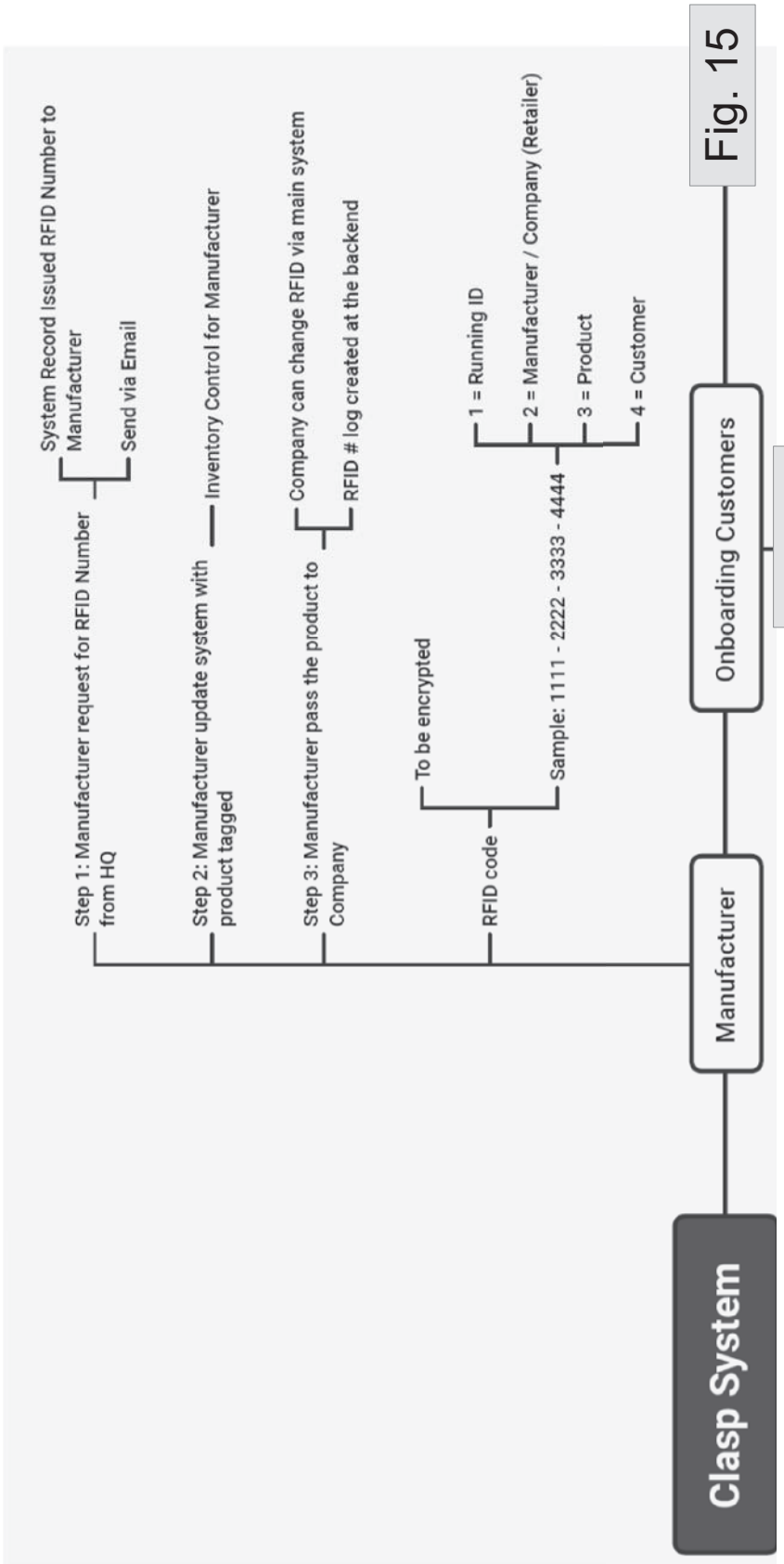

Clasp System
Manufacturer
Step 1: Manufacturer request for RFID Number from HQ
System Record Issued RFID Number to Manufacturer
Send via Email
Step 2: Manufacturer update system with product tagged
Inventory Control for Manufacturer
Step 3: Manufacturer pass the product to Company
Company can change RFID via main system
RFID # log created at the backend
RFID code
To be encrypted
Sample: 1111 - 2222 - 3333 - 4444
1 = Running ID
2 = Manufacturer / Company (Retailer)
3 = Product
4 = Customer
Onboarding Customers
Fig. 13
Fig. 15

Fig. 12

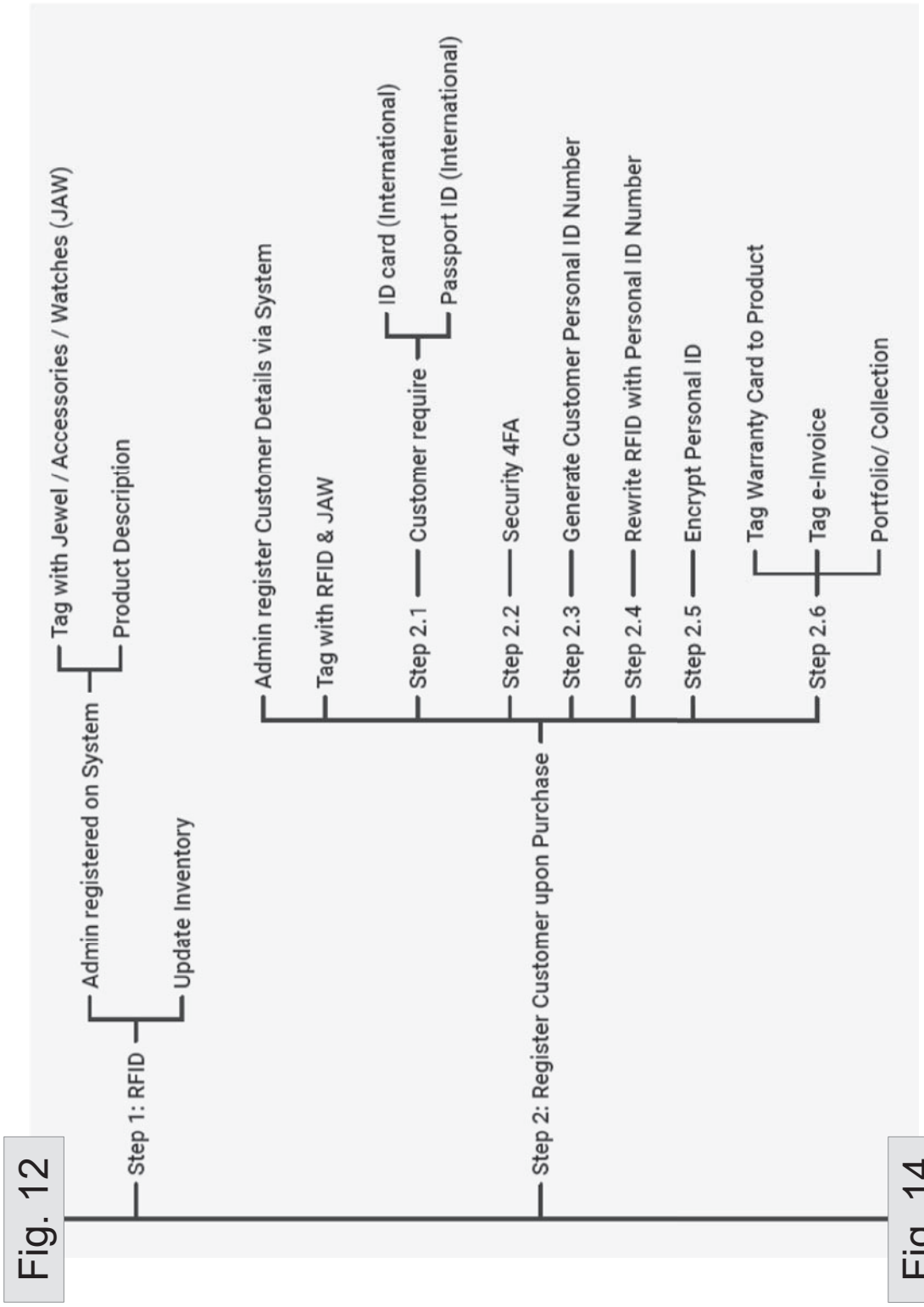


Fig. 12

Fig. 13

Fig. 14

Fig. 13

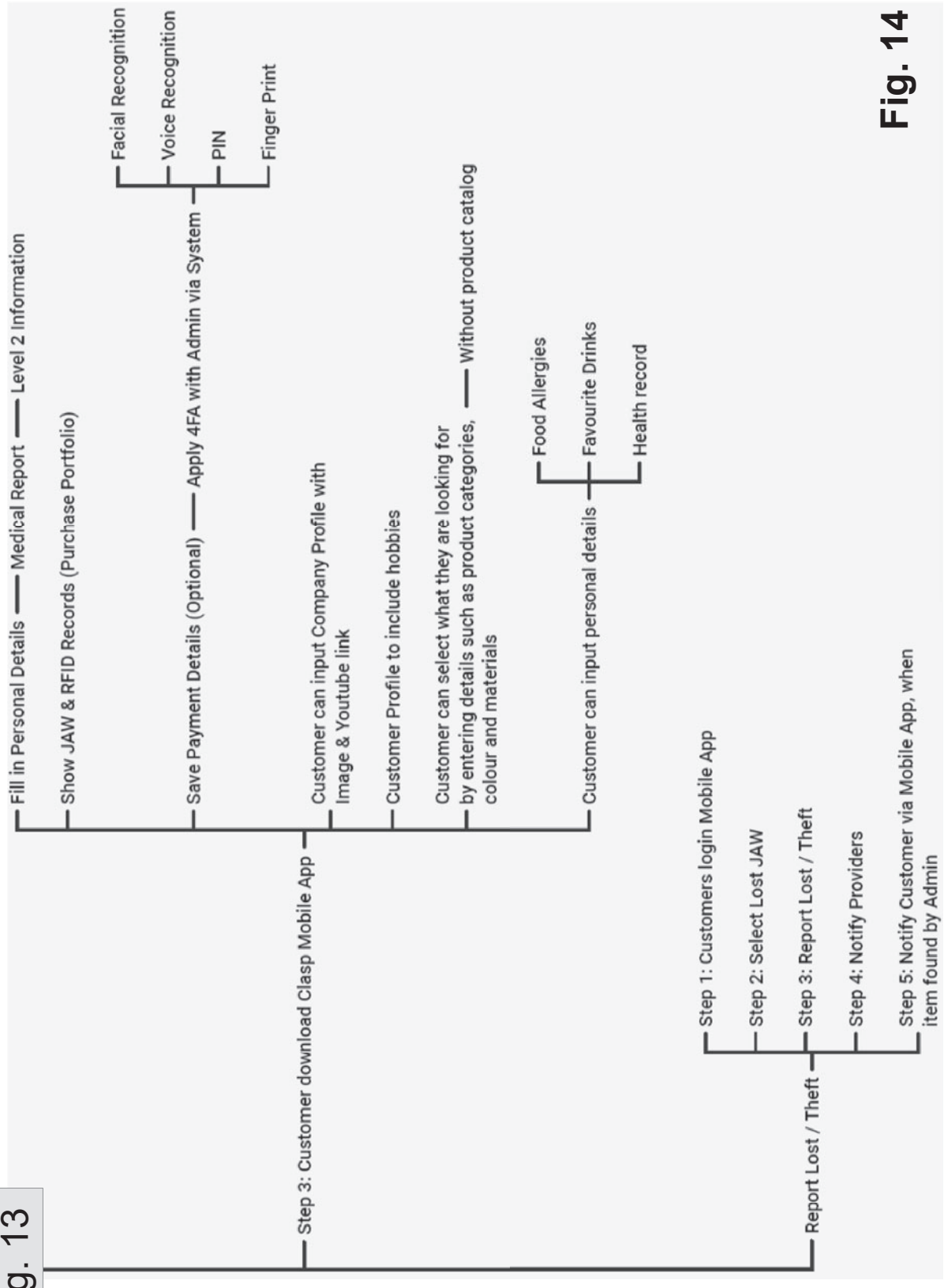

Step 3: Customer download Clasp Mobile App
Fill in Personal Details
Medical Report
Level 2 Information
Show JAW & RFID Records (Purchase Portfolio)
Save Payment Details (Optional)
Apply 4FA with Admin via System
Facial Recognition
Voice Recognition
PIN
Finger Print
Customer can input Company Profile with Image & Youtube link
Customer Profile to include hobbies
Customer can select what they are looking for by entering details such as product categories, colour and materials
Without product catalog
Customer can input personal details
Food Allergies
Favourite Drinks
Health record
Report Lost / Theft
Step 1: Customers login Mobile App
Step 2: Select Lost JAW
Step 3: Report Lost / Theft
Step 4: Notify Providers
Step 5: Notify Customer via Mobile App, when item found by Admin

Fig. 14

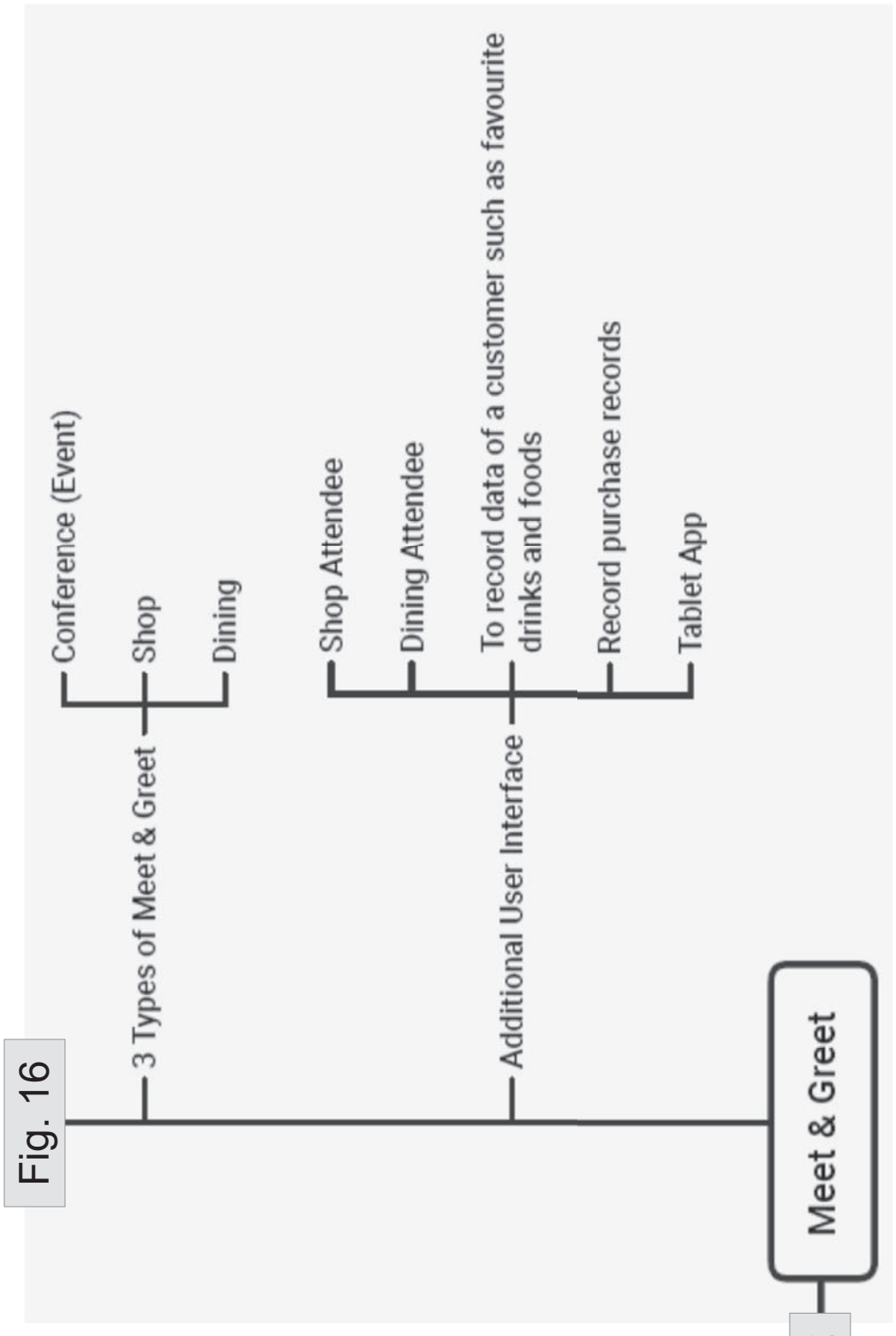


Fig. 12

Fig. 16

Fig. 15

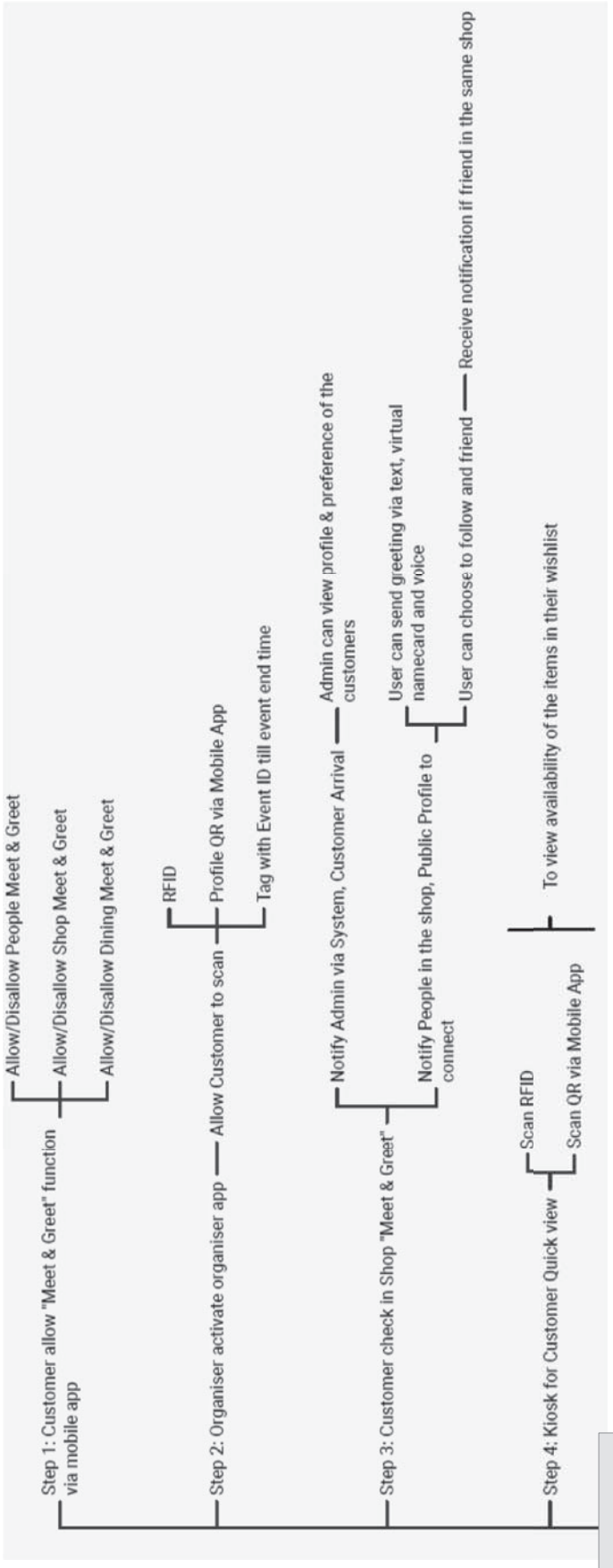

Step 1: Customer allow "Meet & Greet" function via mobile app
Allow/Disallow People Meet & Greet
Allow/Disallow Shop Meet & Greet
Allow/Disallow Dining Meet & Greet
Step 2: Organiser activate organiser app
Allow Customer to scan
RFID
Profile QR via Mobile App
Tag with Event ID till event end time
Step 3: Customer check in Shop "Meet & Greet"
Notify Admin via System, Customer Arrival
Admin can view profile & preference of the customers
Notify People in the shop, Public Profile to connect
User can send greeting via text, virtual namecard and voice
User can choose to follow and friend
Receive notification if friend in the same shop
Step 4: Kiosk for Customer Quick view
Scan RFID
Scan QR via Mobile App
To view availability of the items in their wishlist

Fig. 15

Fig. 16

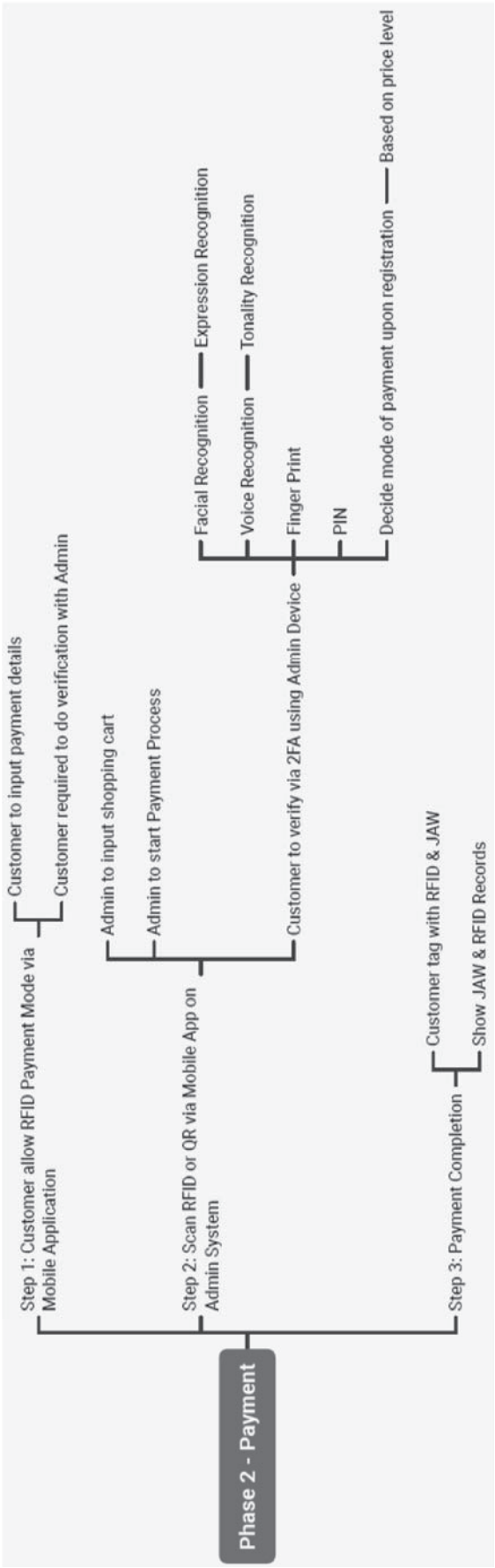

Phase 2 - Payment
Step 1: Customer allow RFID Payment Mode via Mobile Application
Customer to input payment details
Customer required to do verification with Admin
Step 2: Scan RFID or QR via Mobile App on Admin System
Admin to input shopping cart
Admin to start Payment Process
Customer to verify via 2FA using Admin Device
Facial Recognition
Expression Recognition
Voice Recognition
Tonality Recognition
Finger Print
PIN
Decide mode of payment upon registration
Based on price level
Step 3: Payment Completion
Customer tag with RFID & JAW
Show JAW & RFID Records

Fig. 17

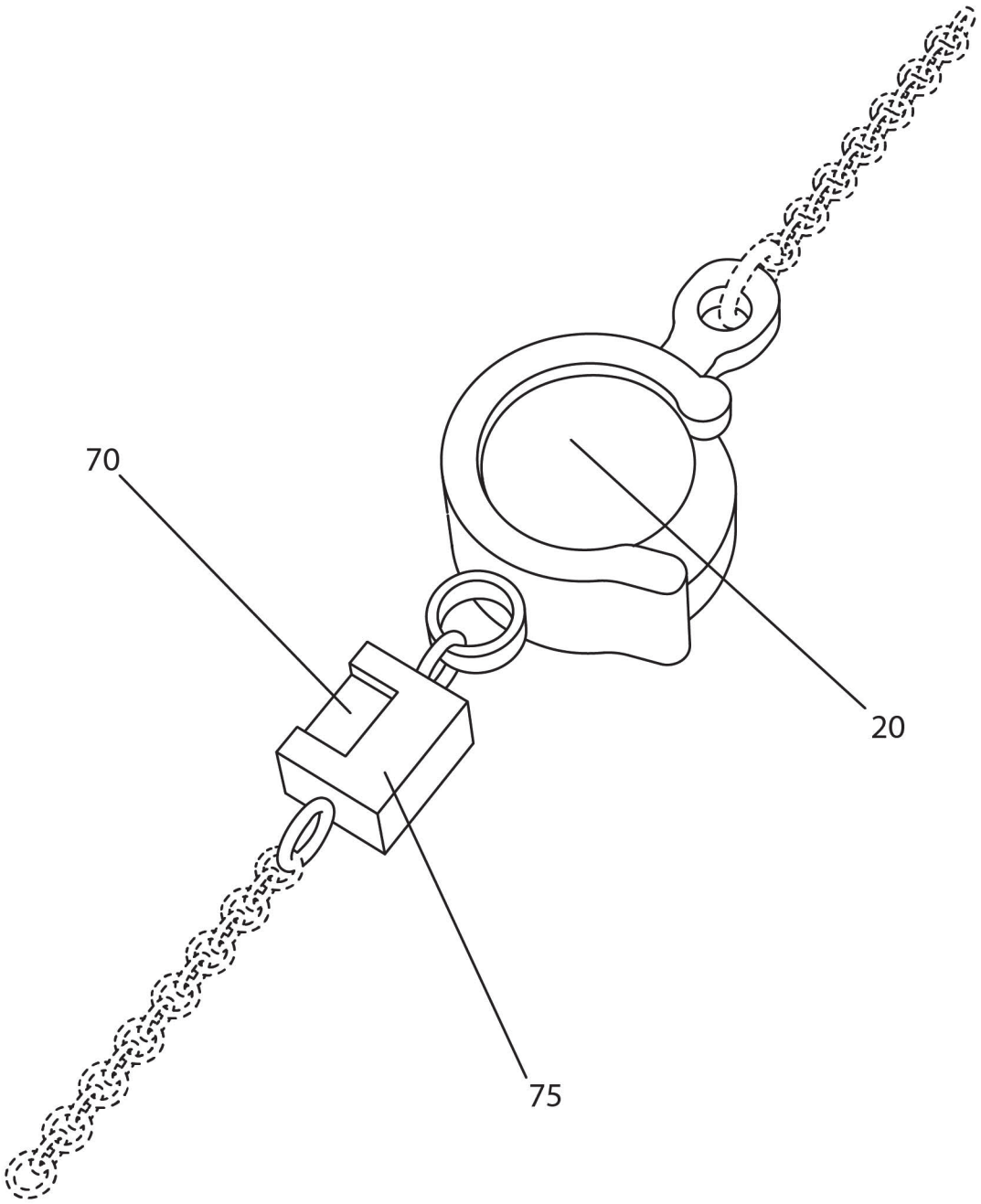


Fig. 18

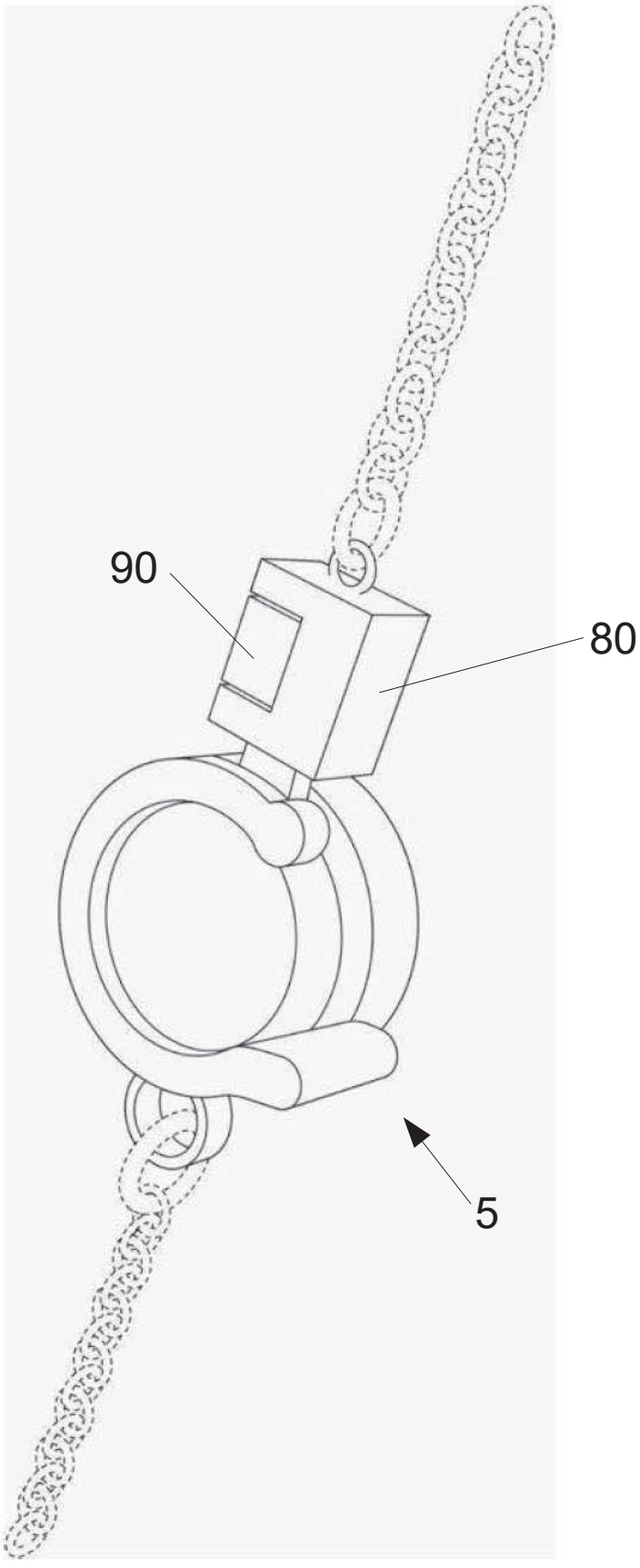


Fig. 19

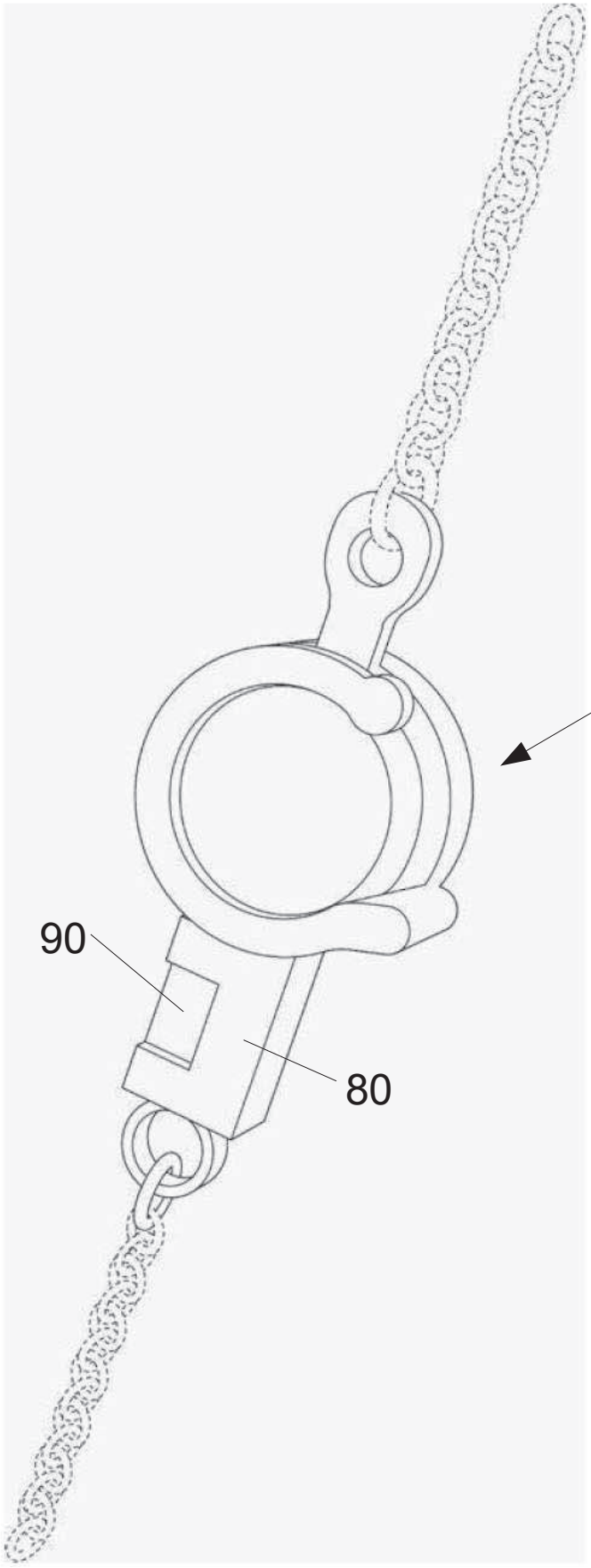


Fig. 20

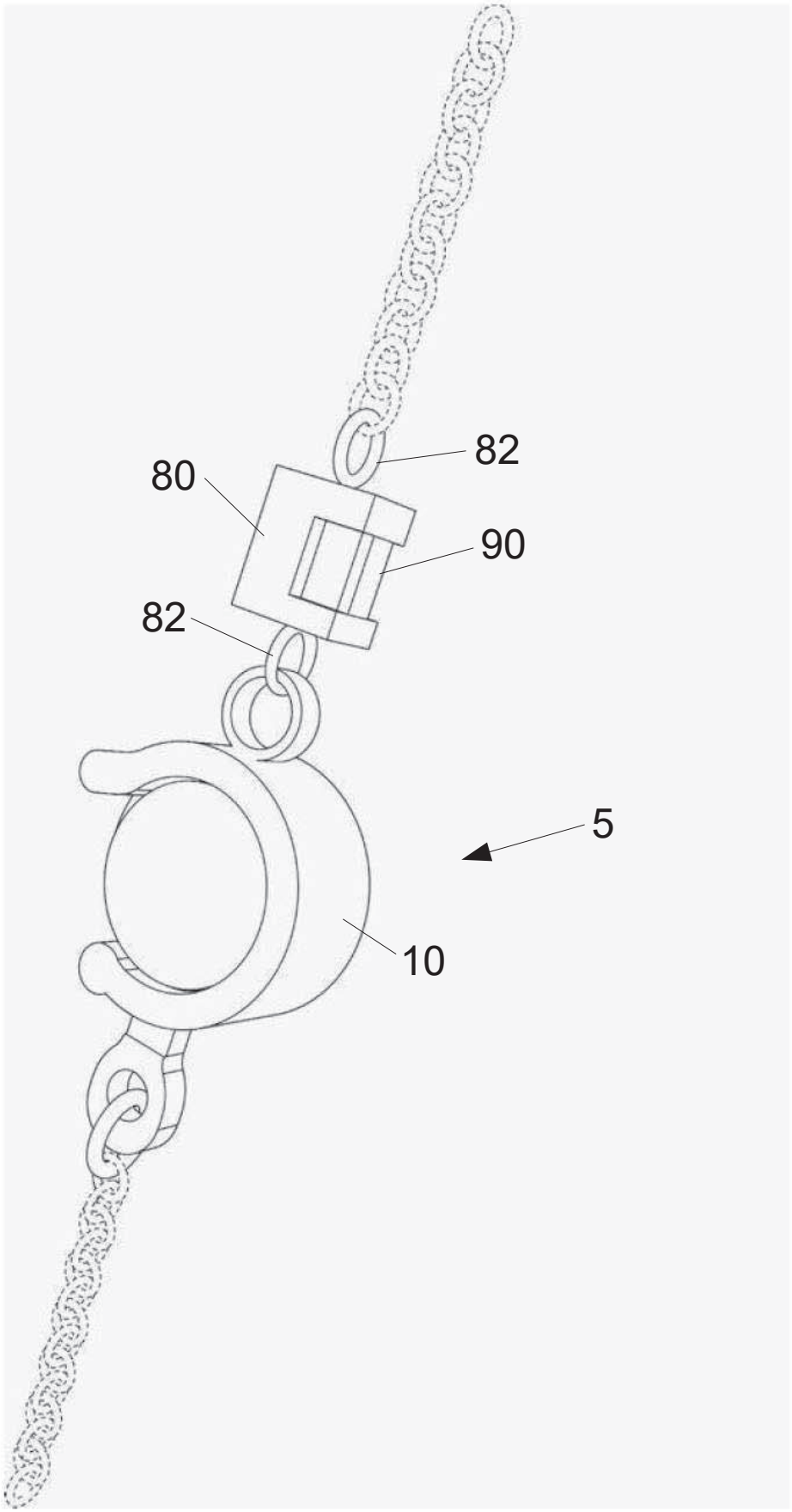


Fig. 21

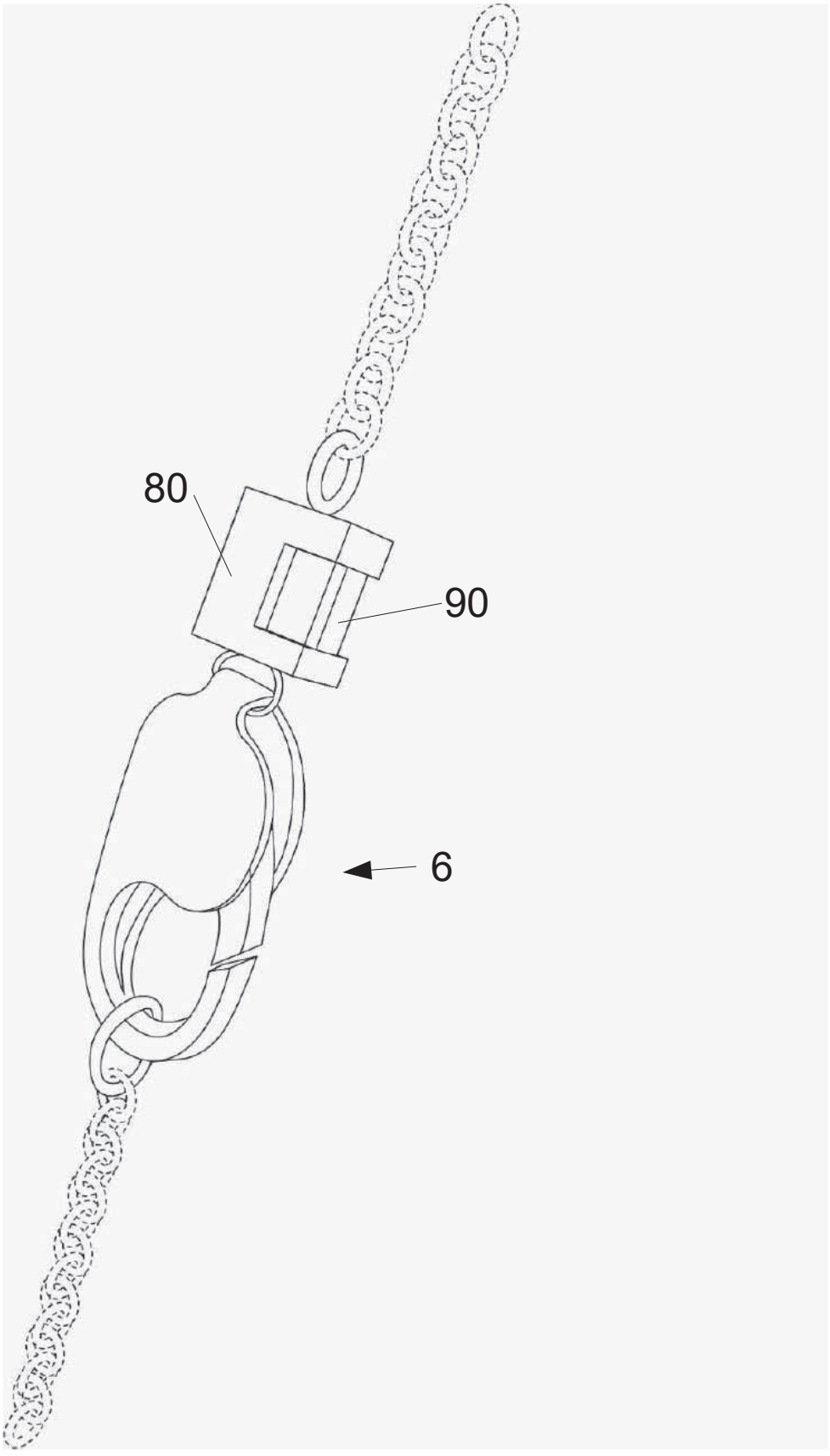


Fig. 22

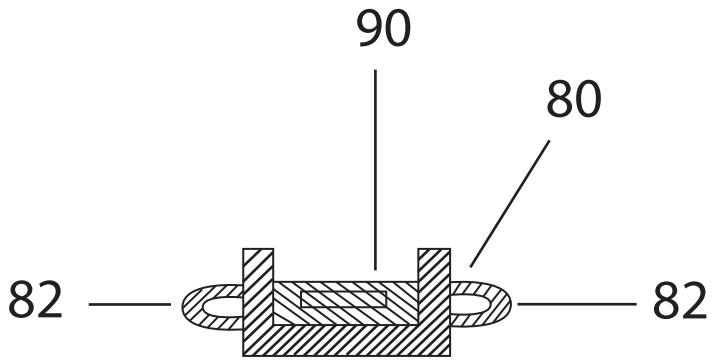


Fig. 23

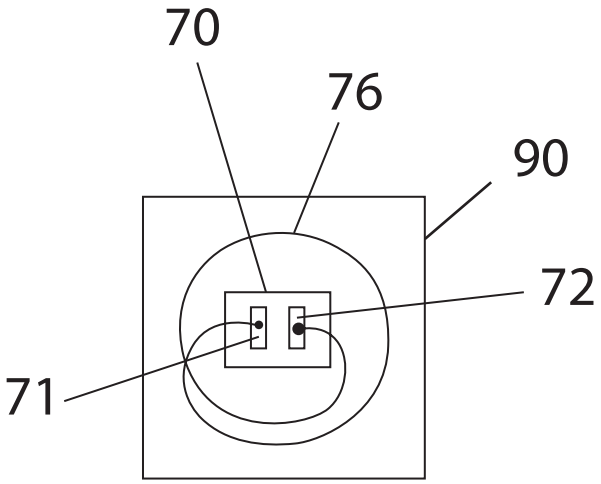


Fig.24

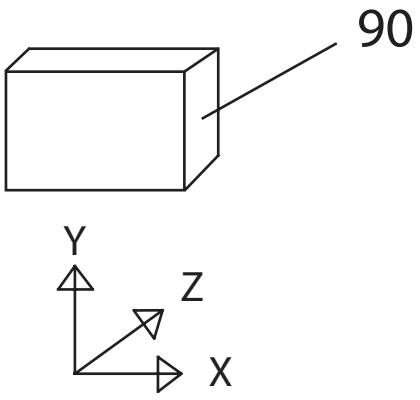


Fig. 25

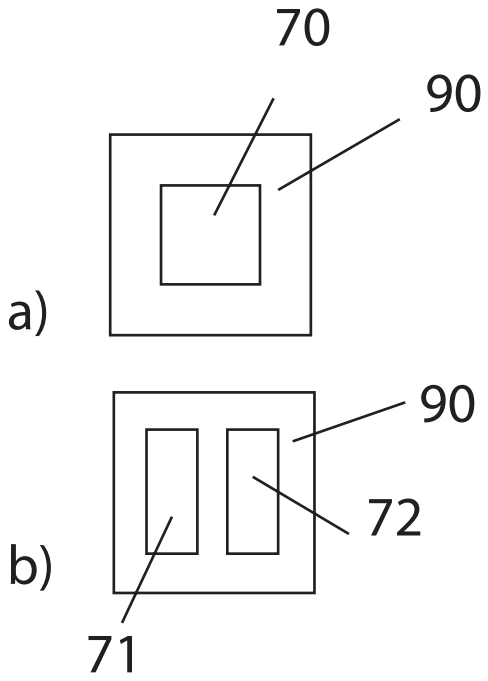


Fig. 26

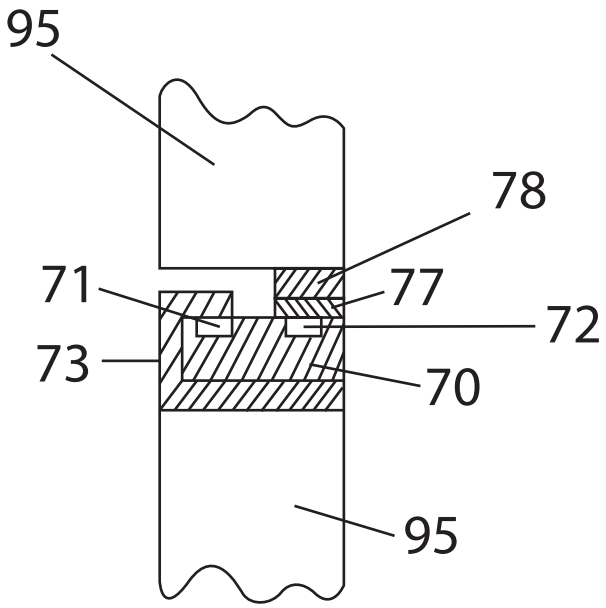


Fig.27

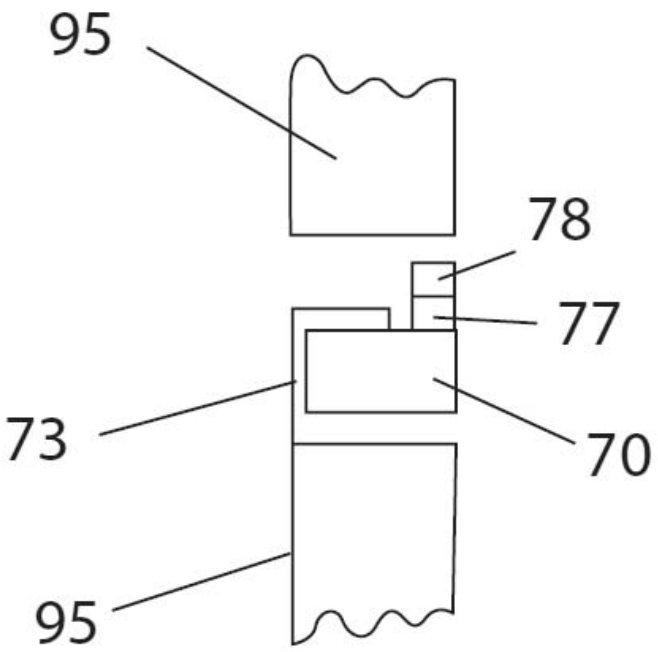


Fig.28

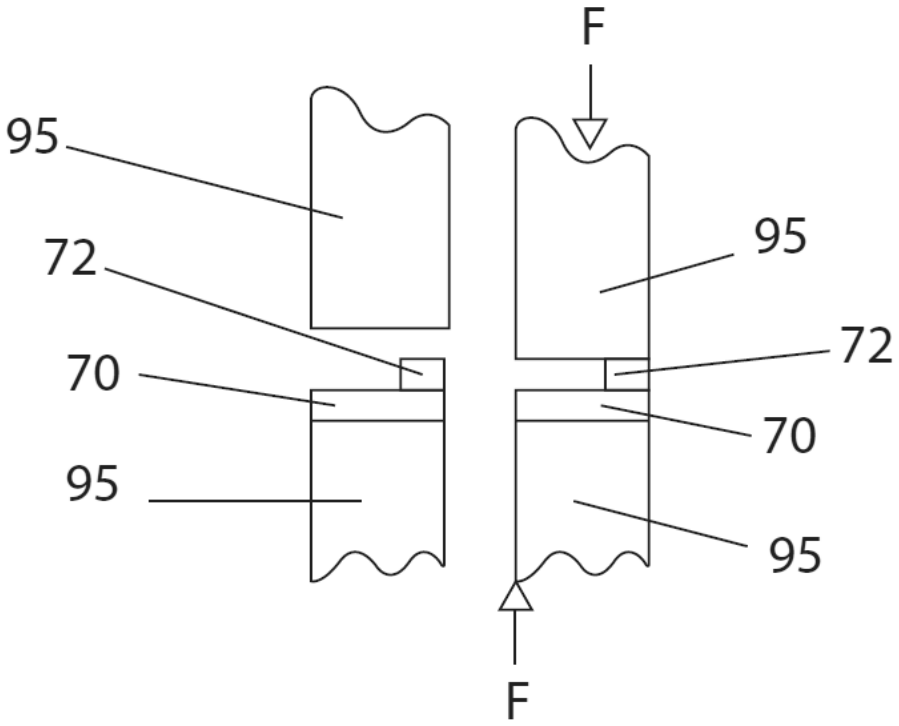


Fig. 29a

Fig. 29b

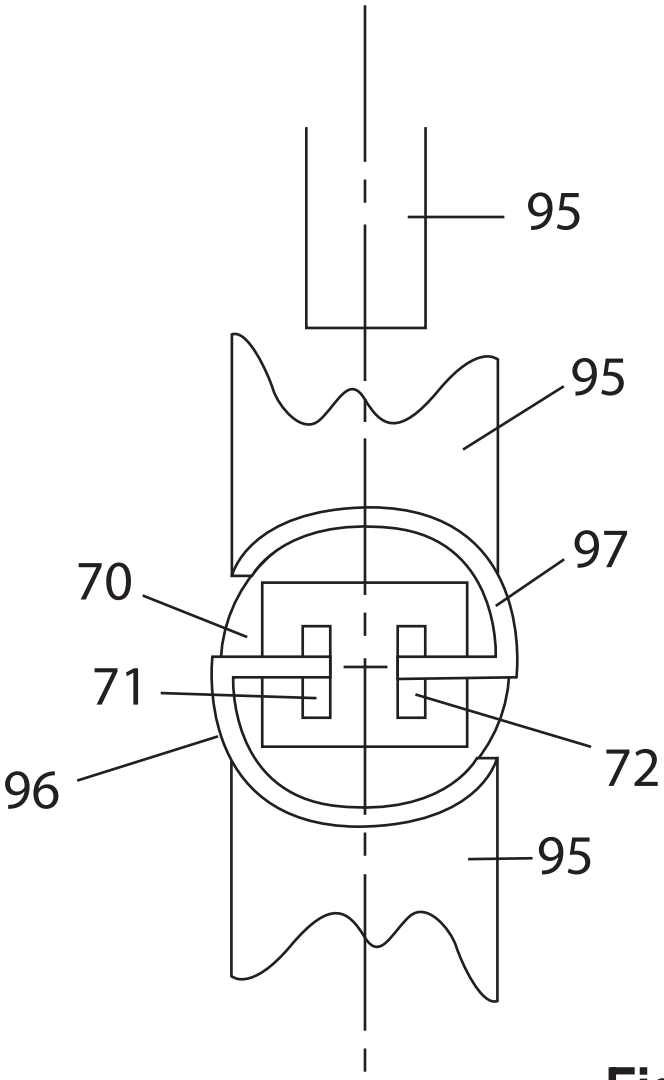
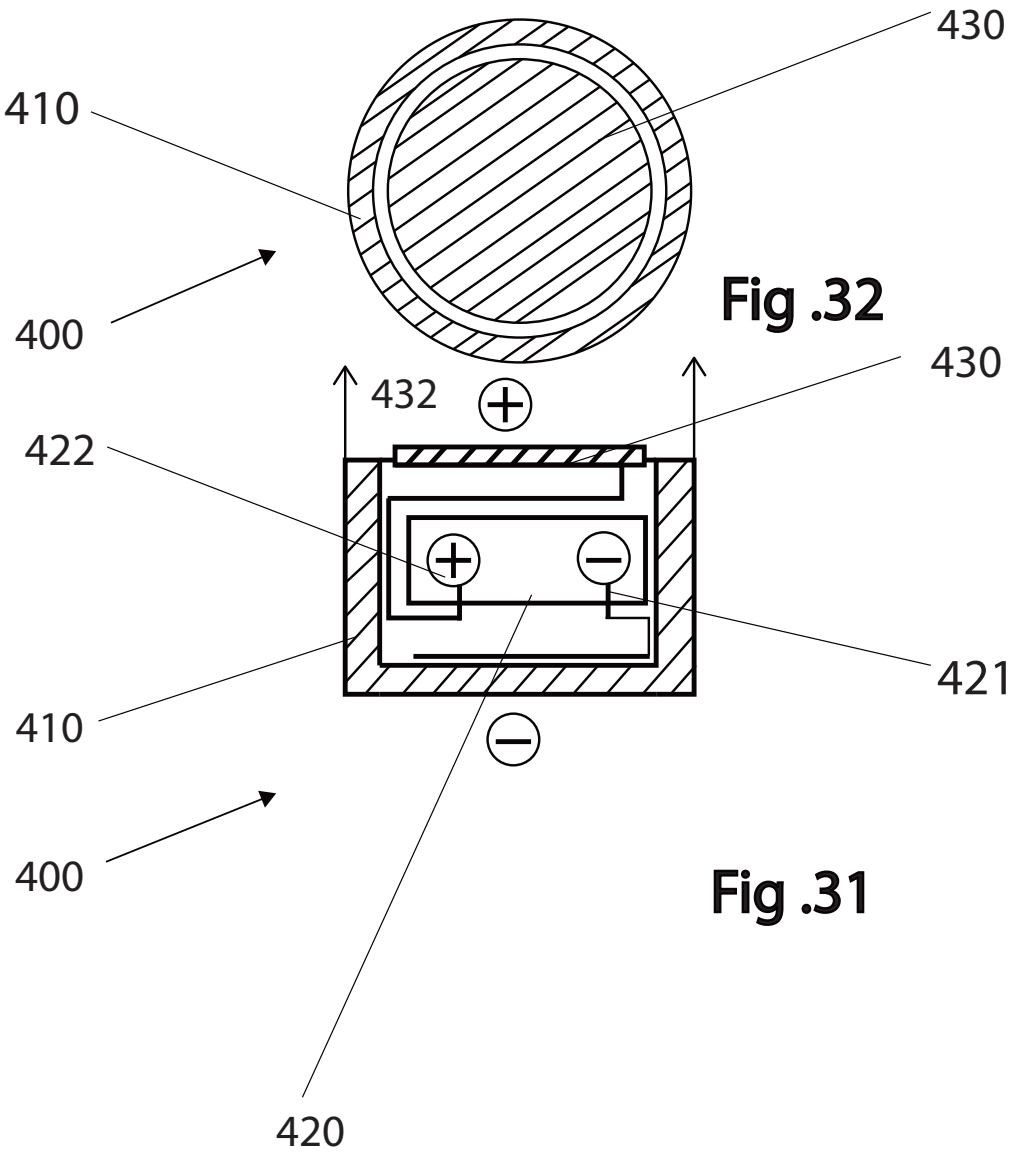


Fig.30


430
410
400
Fig .32
430
432
422
421
410
400
420
Fig .31

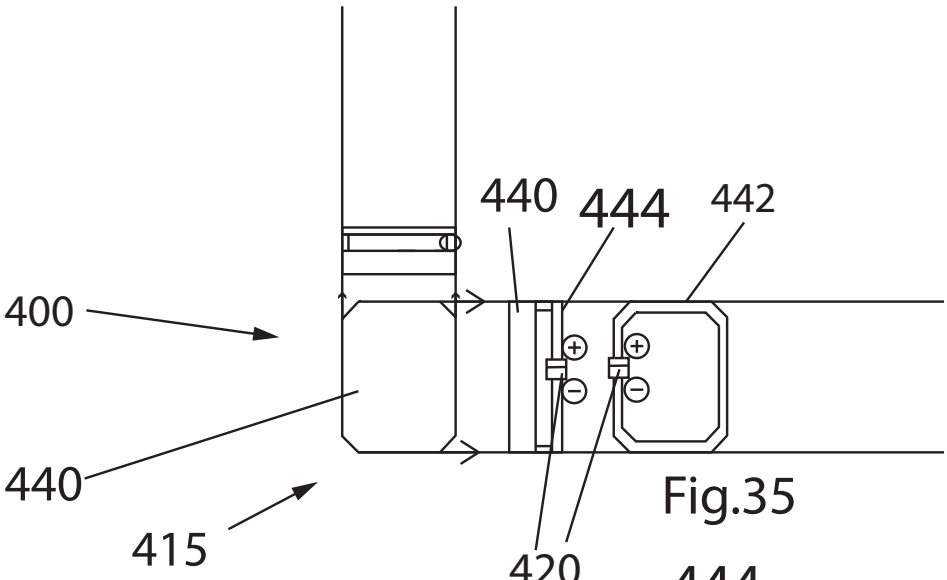


Fig.35

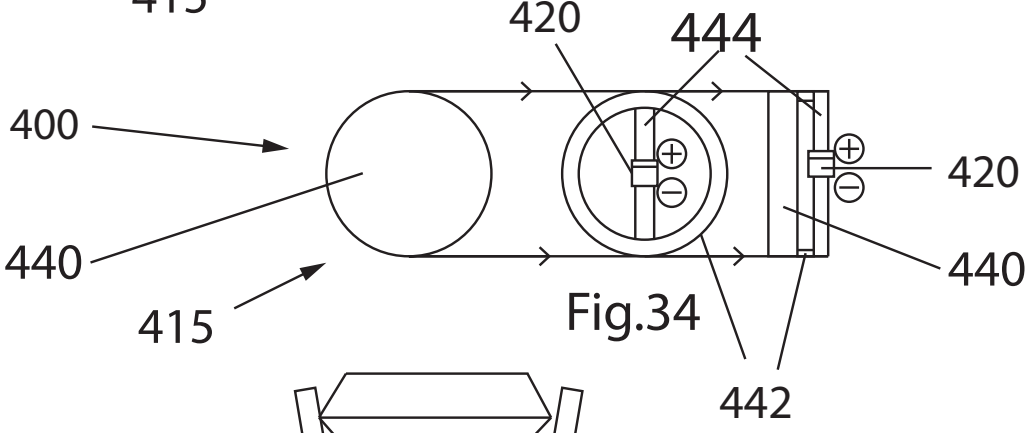


Fig.34

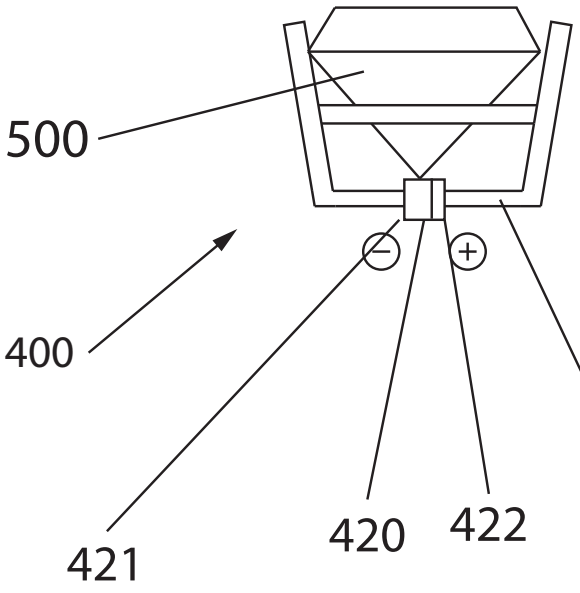


Fig.33

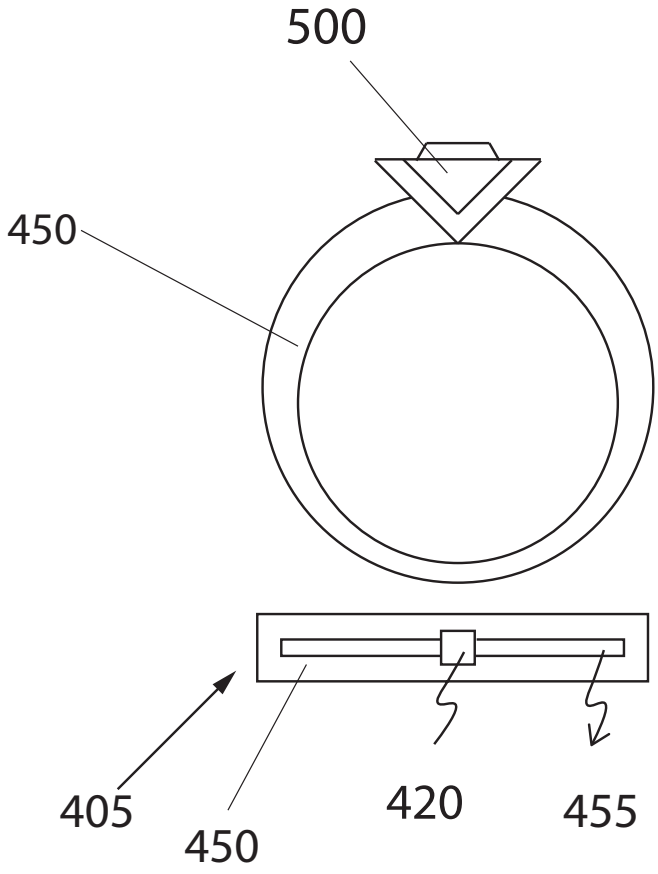


Fig.36

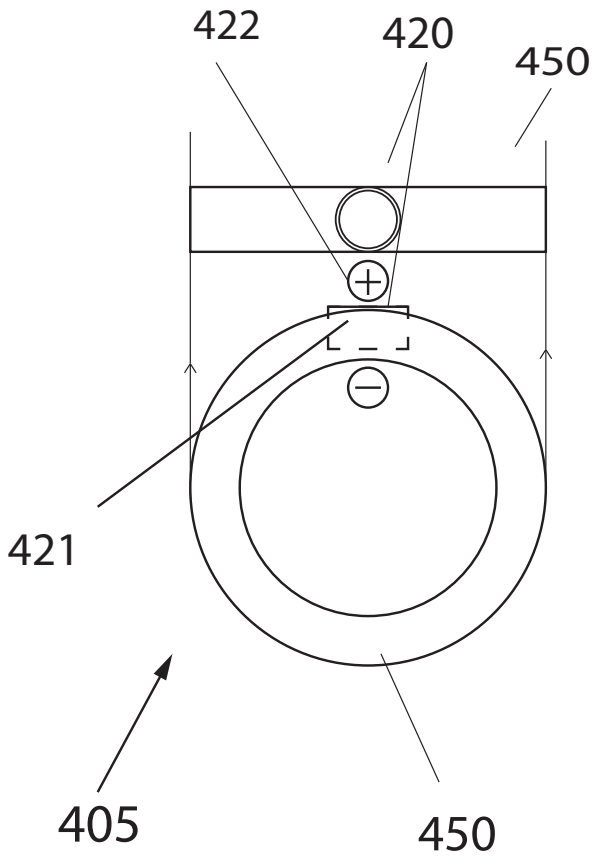


Fig.37

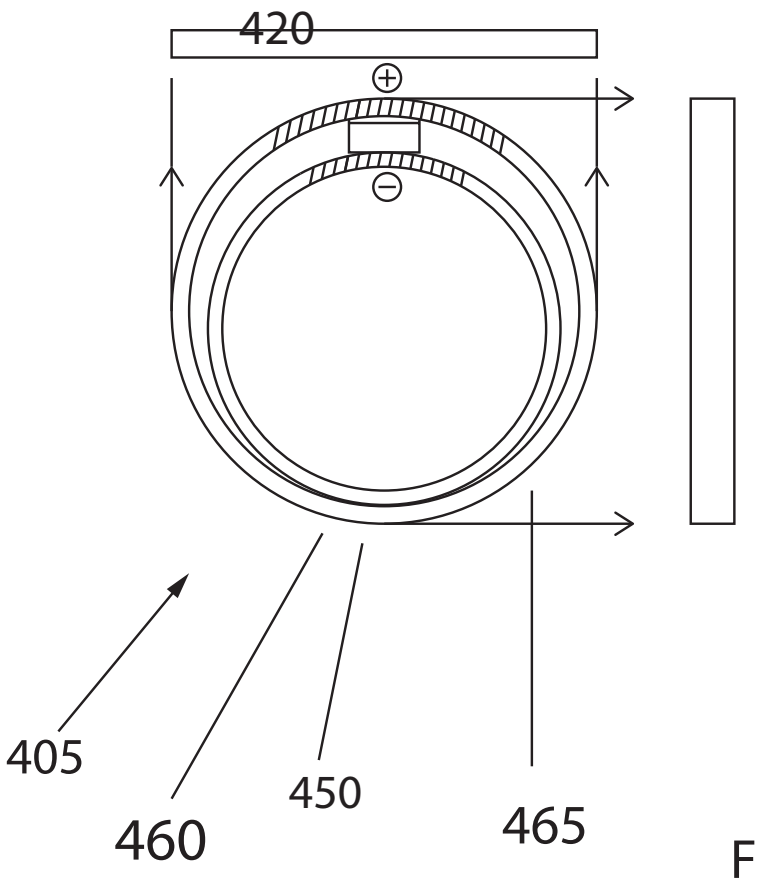


Fig.38

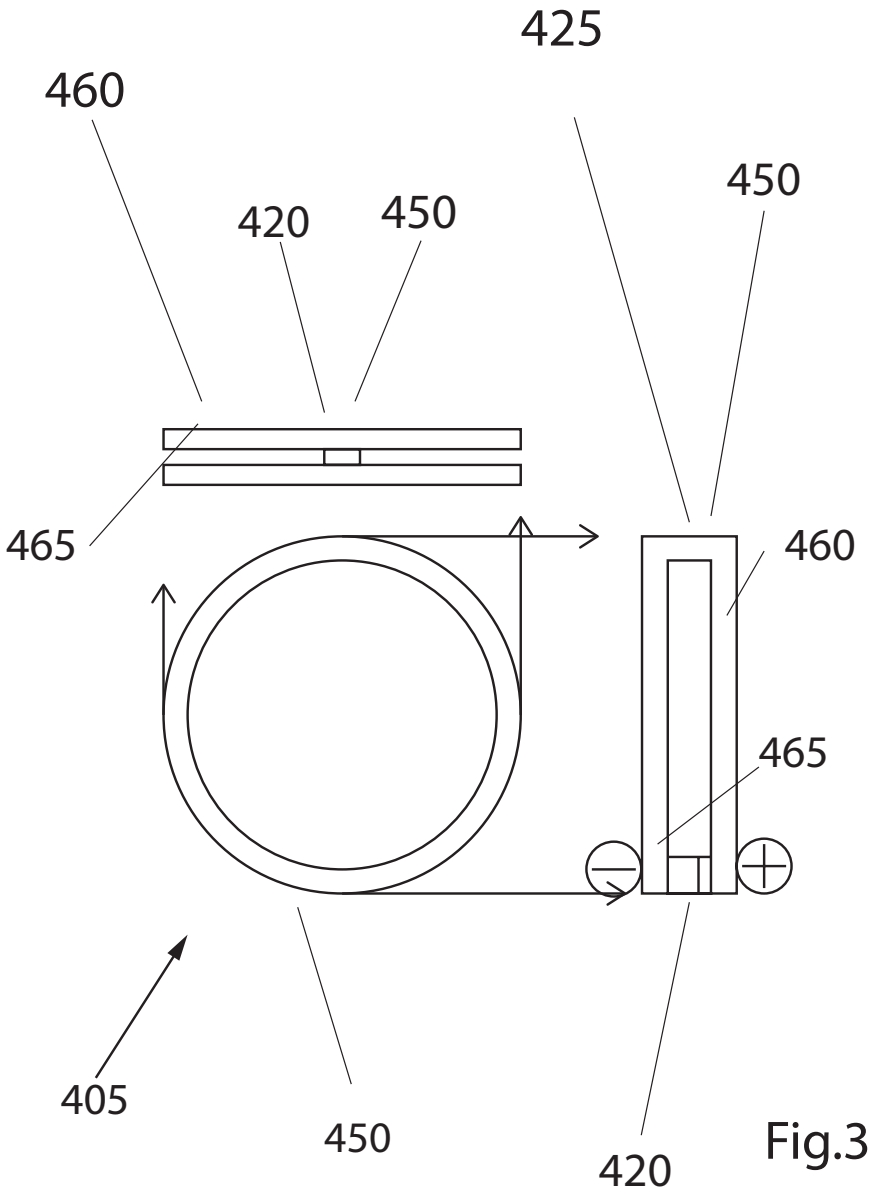


Fig.39

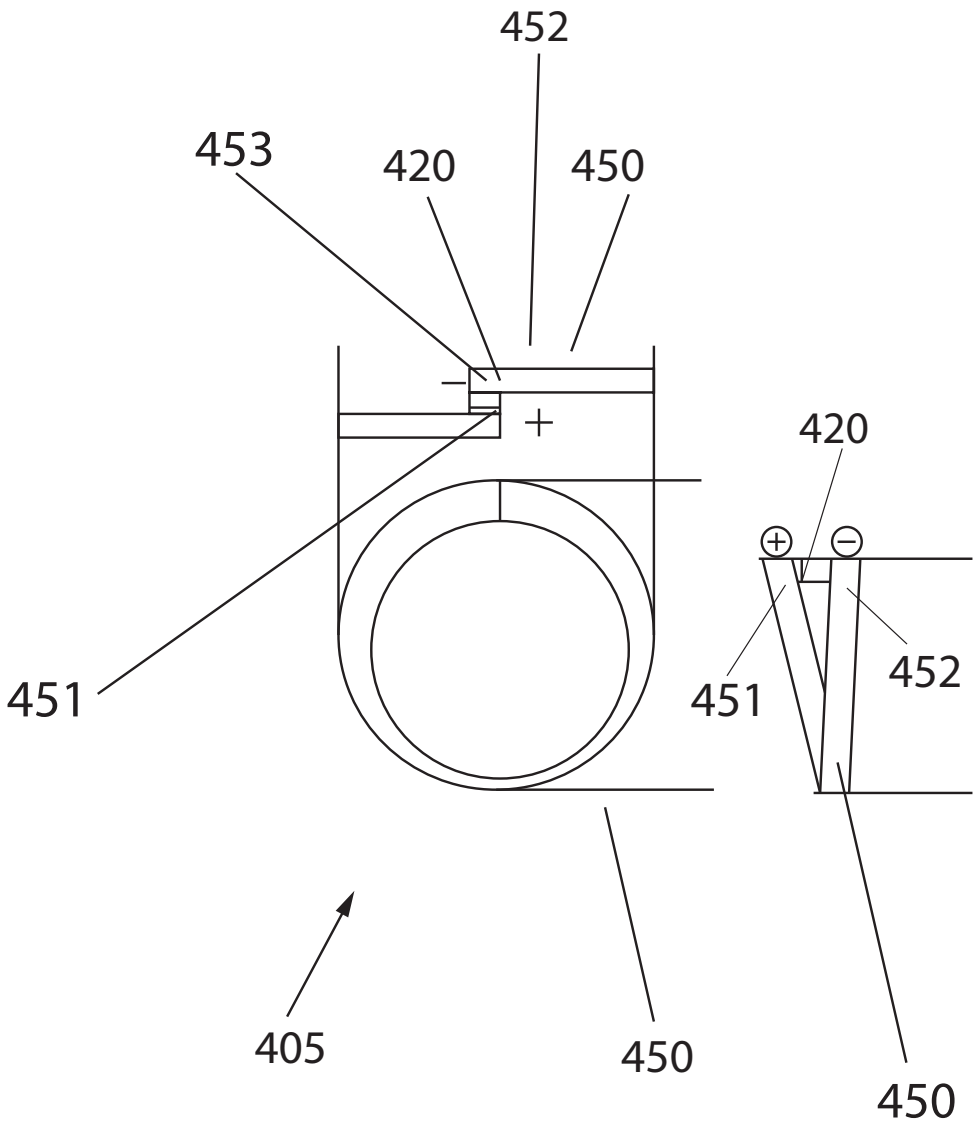


Fig.40

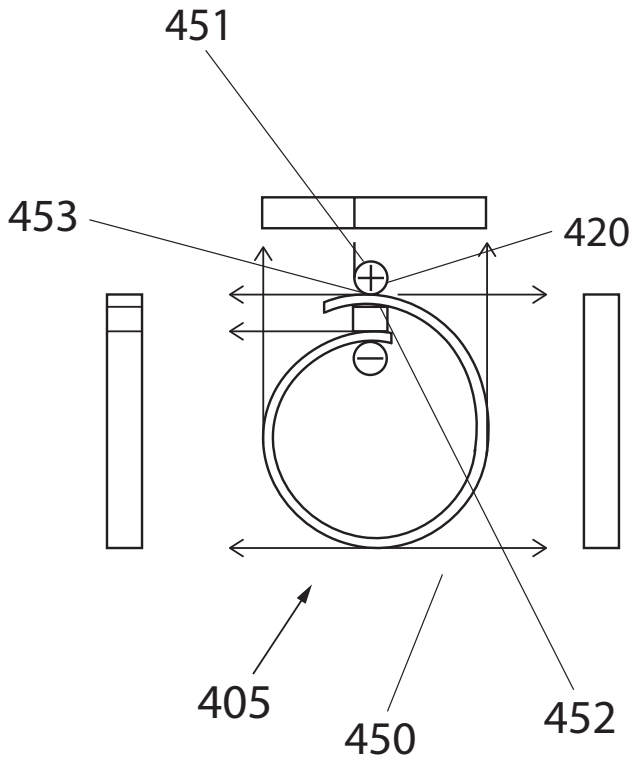


Fig.41

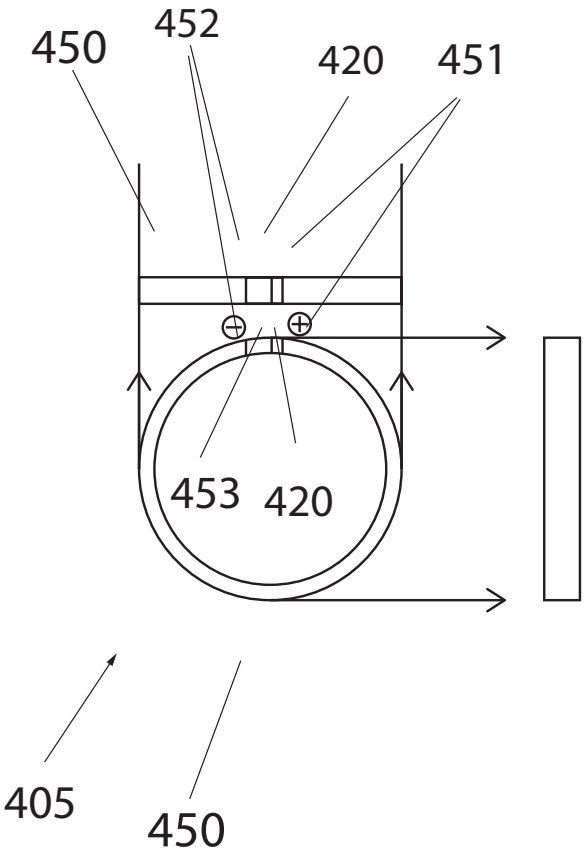


Fig.42

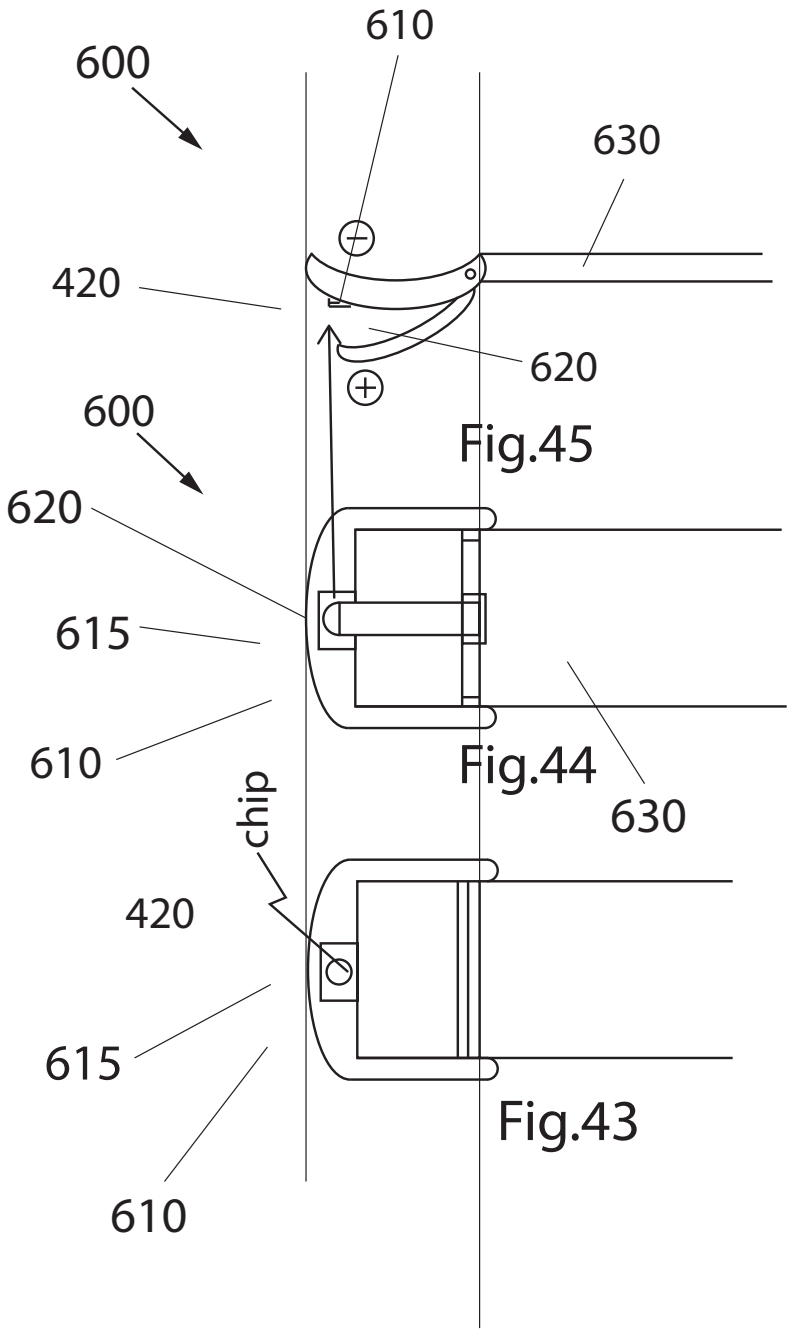


Fig.45

Fig.44

Fig.43

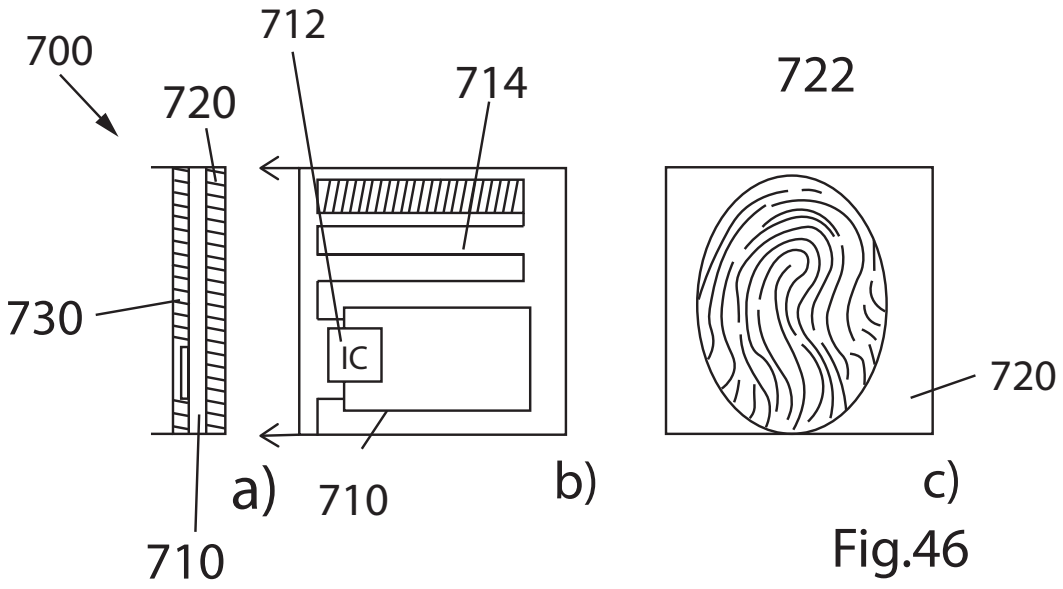


Fig.46

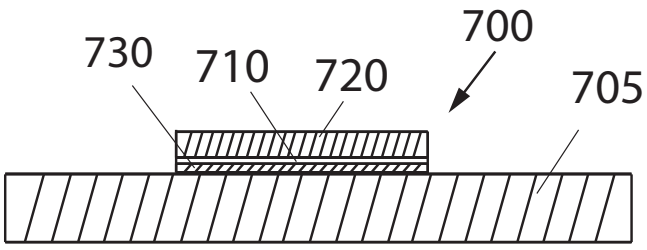


Fig.47

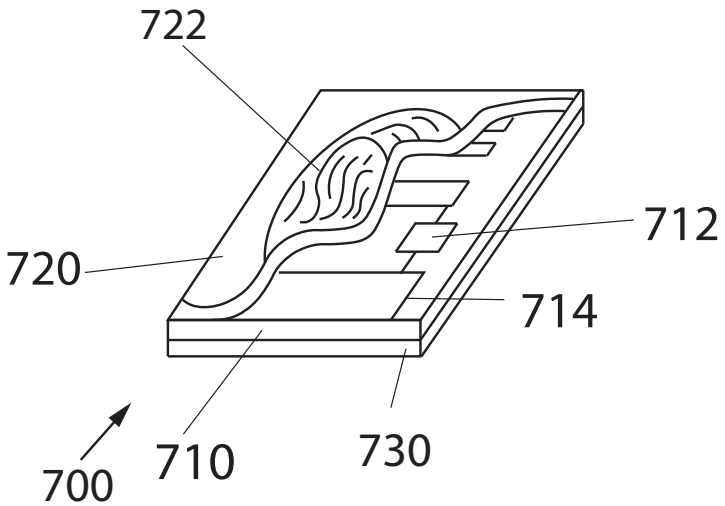


Fig.48