

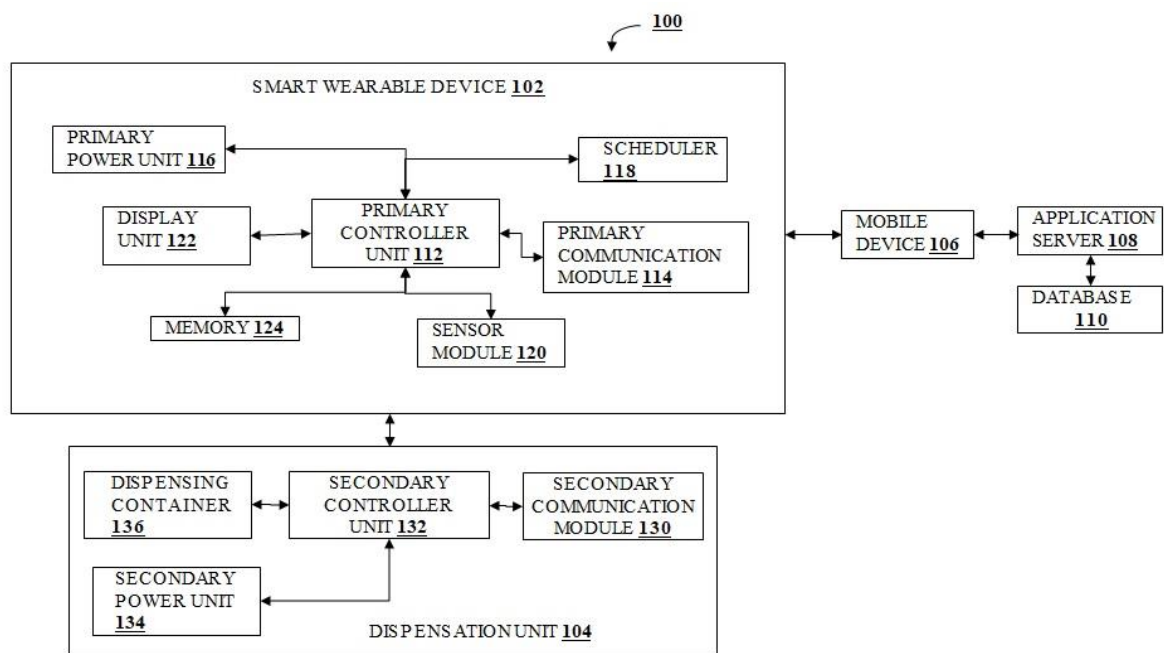


FIGURE 1

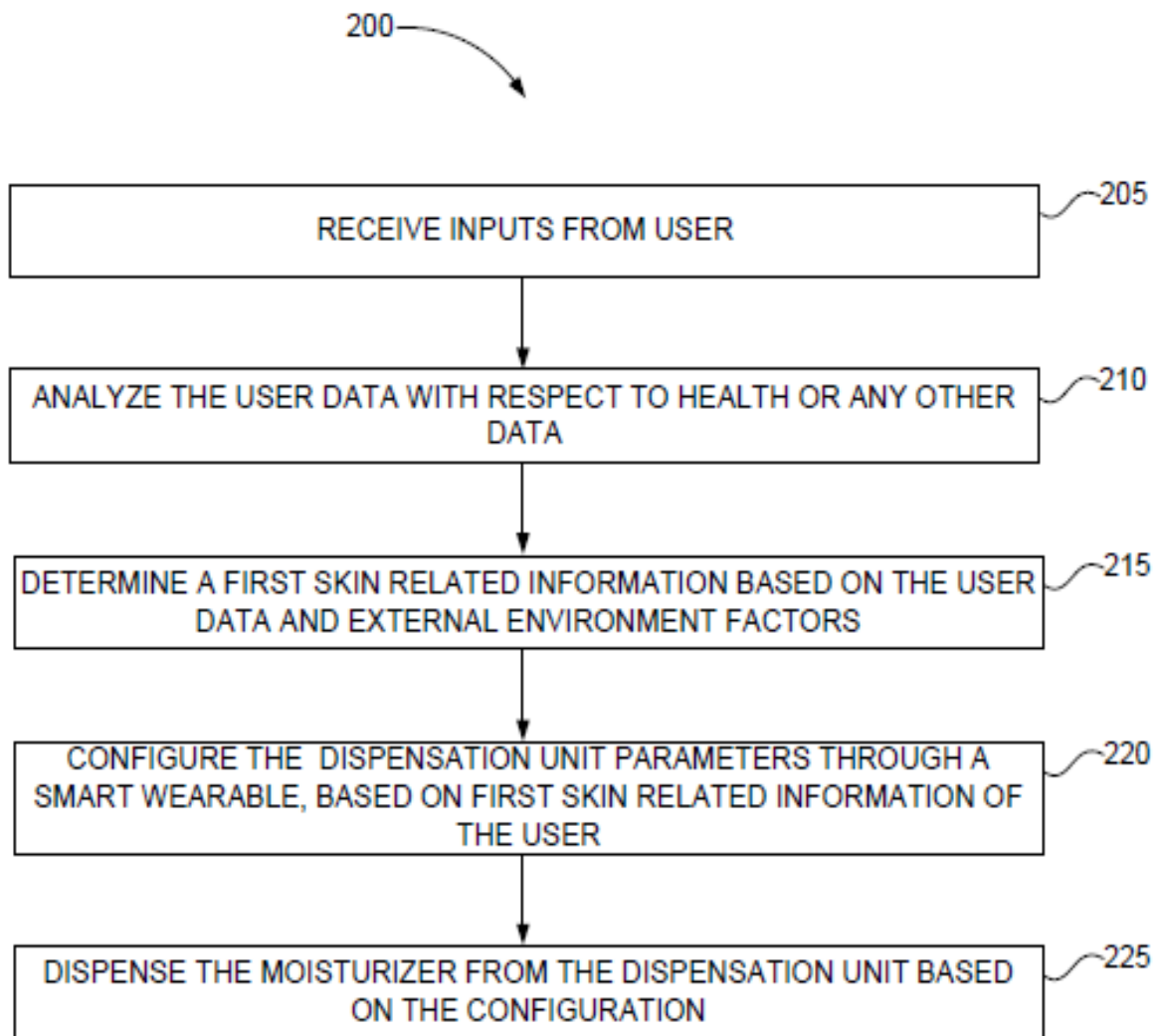


FIGURE 2

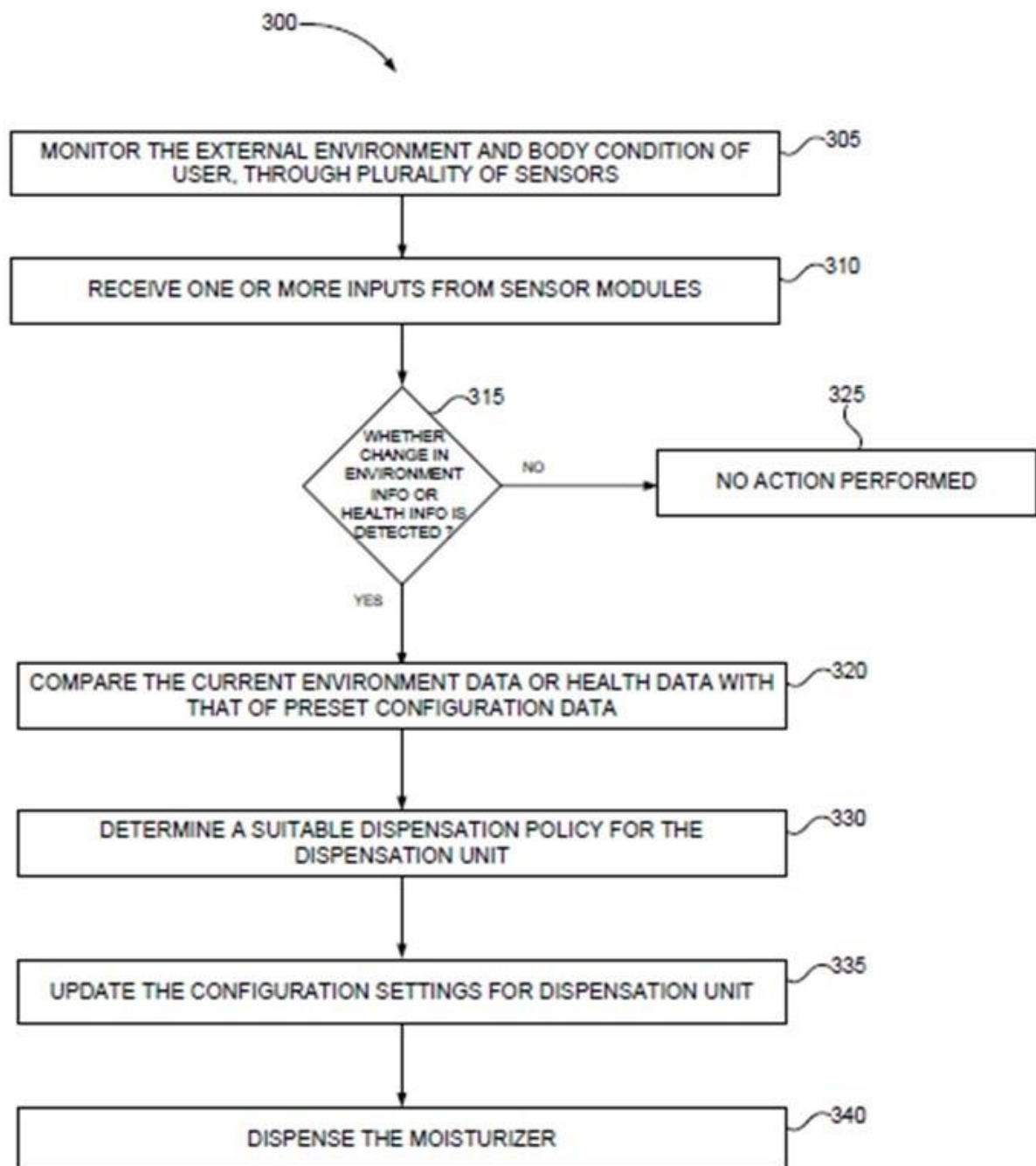


FIGURE 3

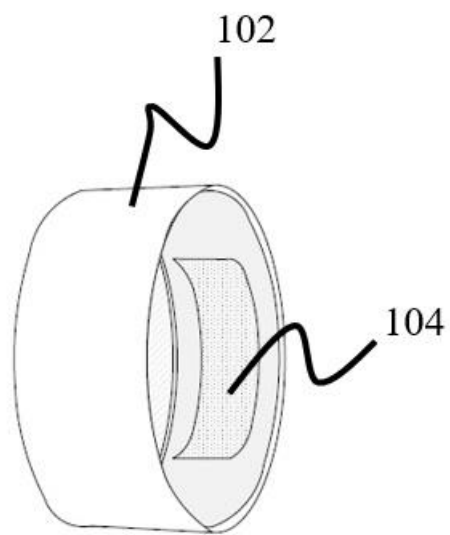


FIGURE 4A

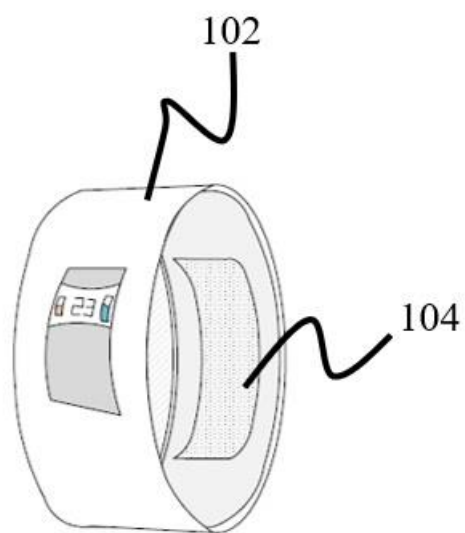


FIGURE 4B

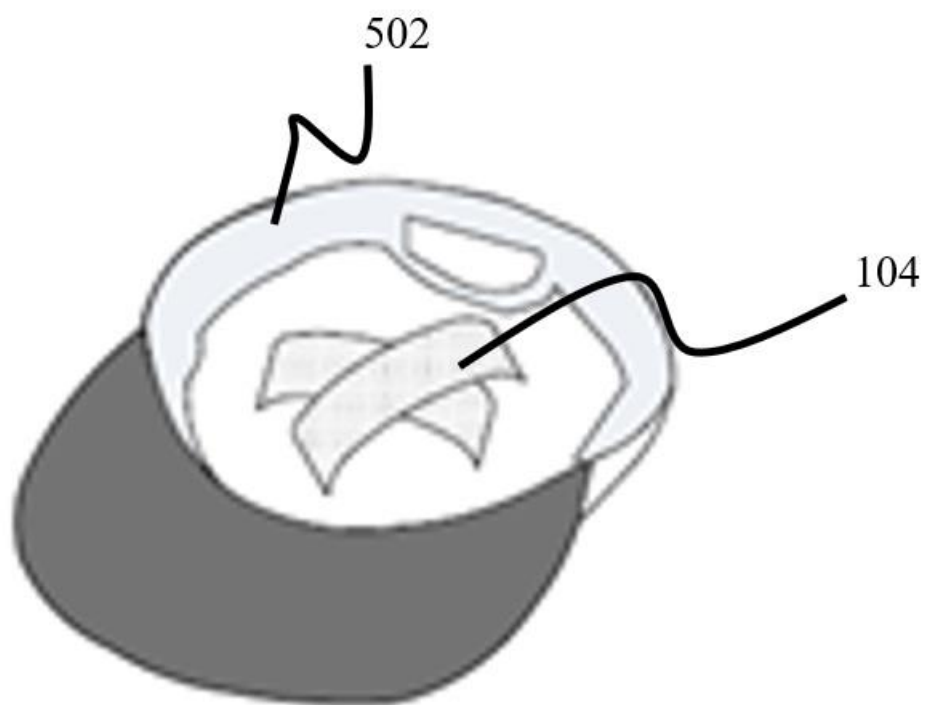


FIGURE 5

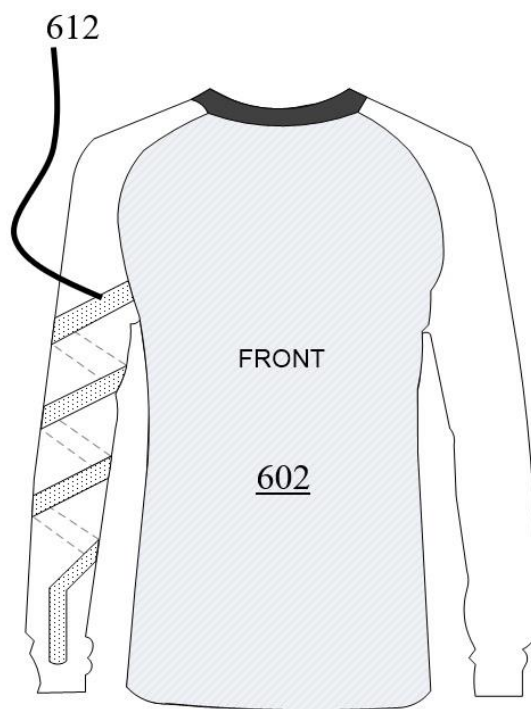


FIGURE 6A



FIGURE 6B

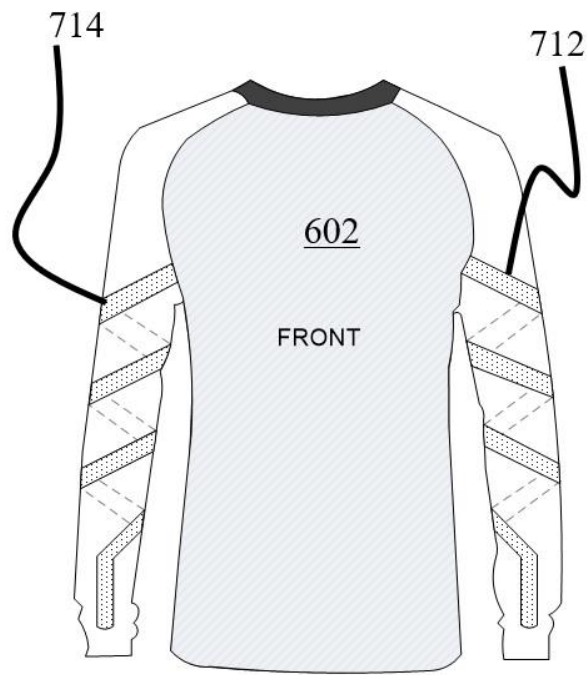


FIGURE 7A

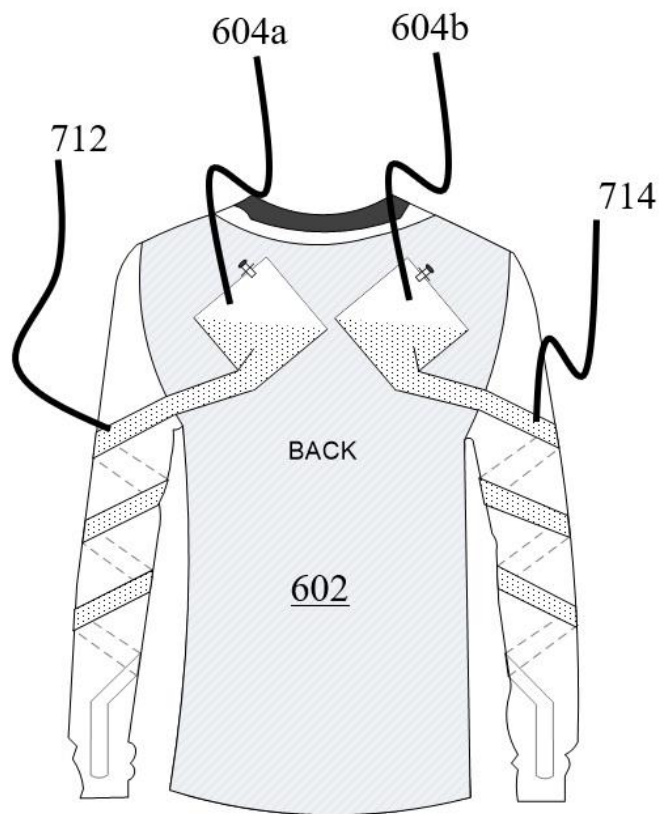


FIGURE 7B

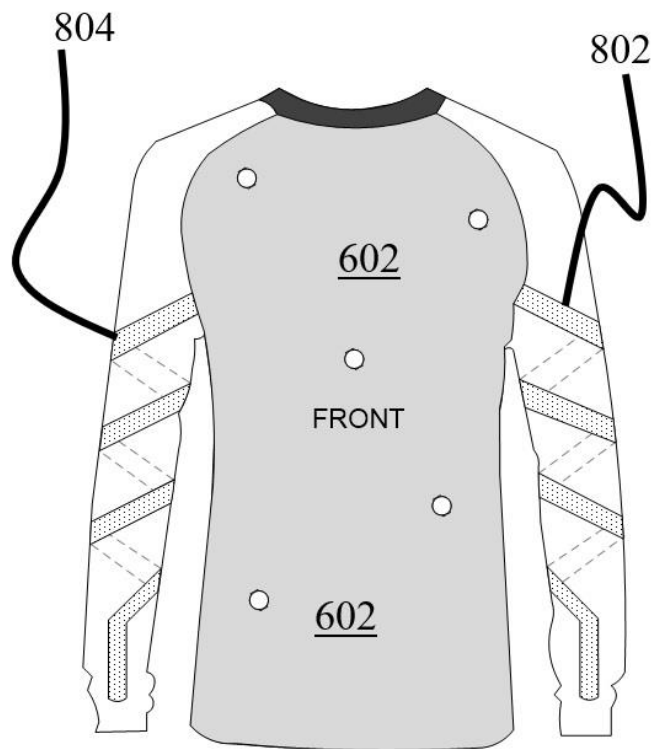


FIGURE 8A

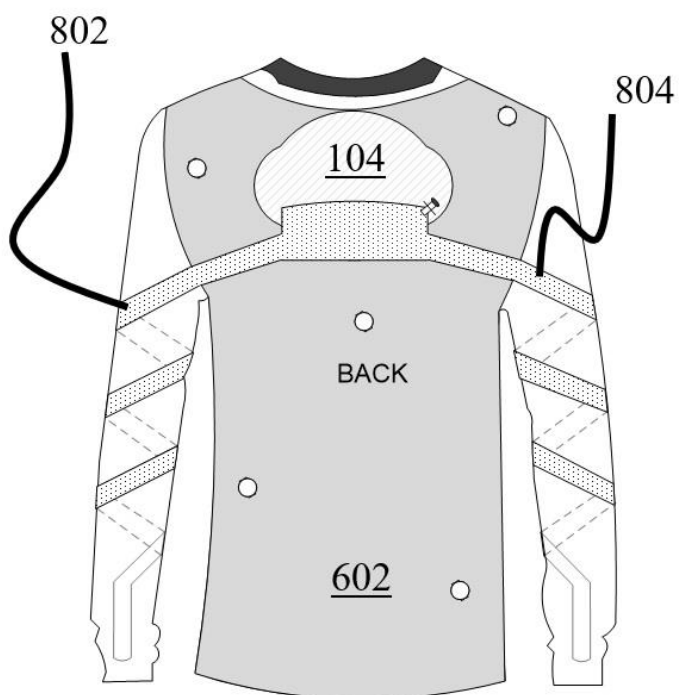


FIGURE 8B

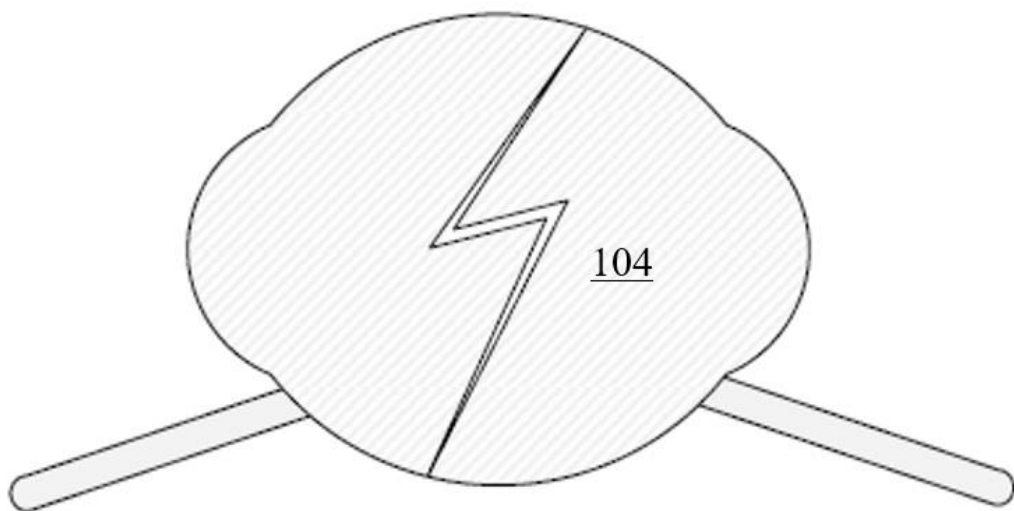


FIGURE 9A

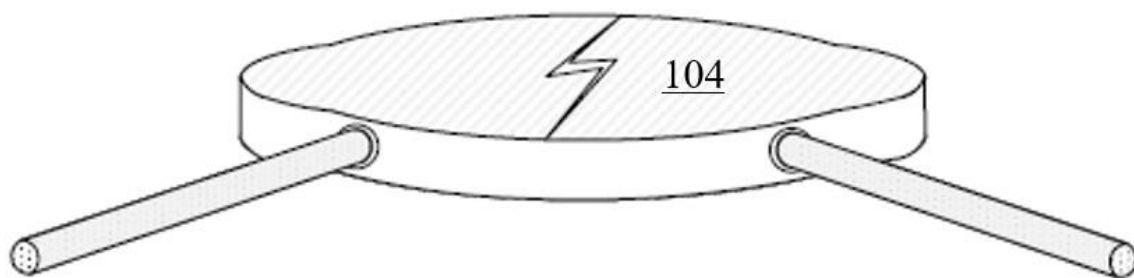


FIGURE 9B

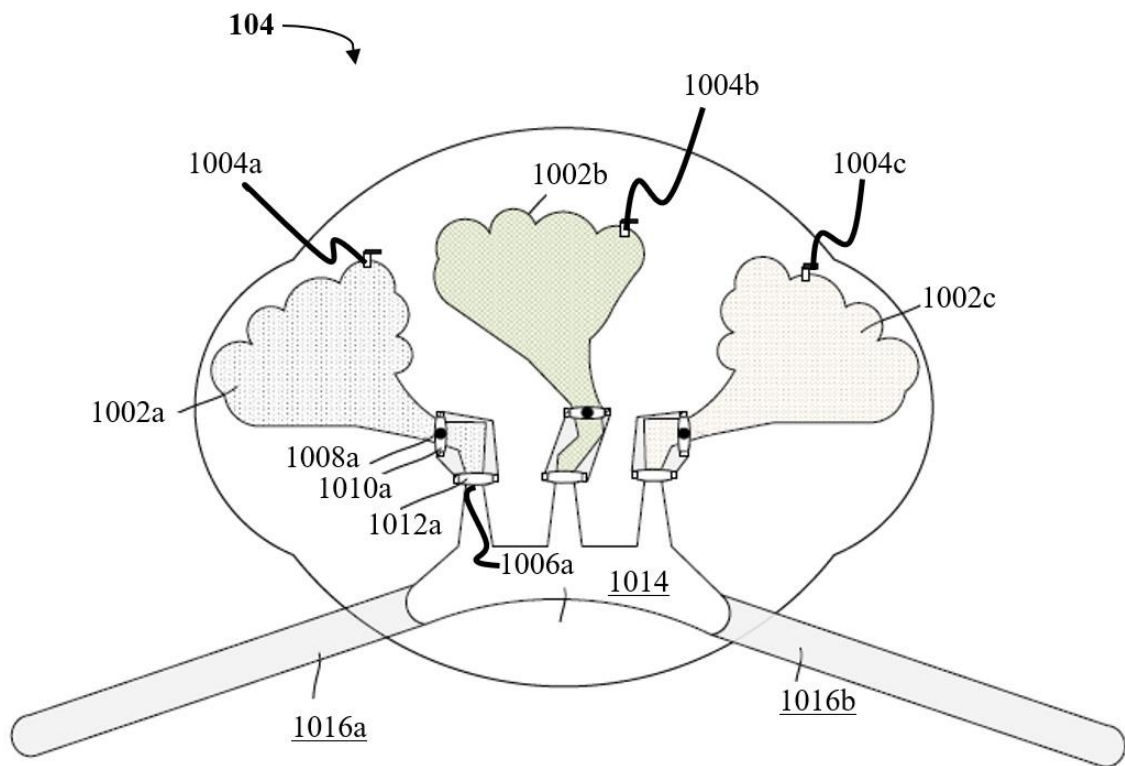


FIGURE 10

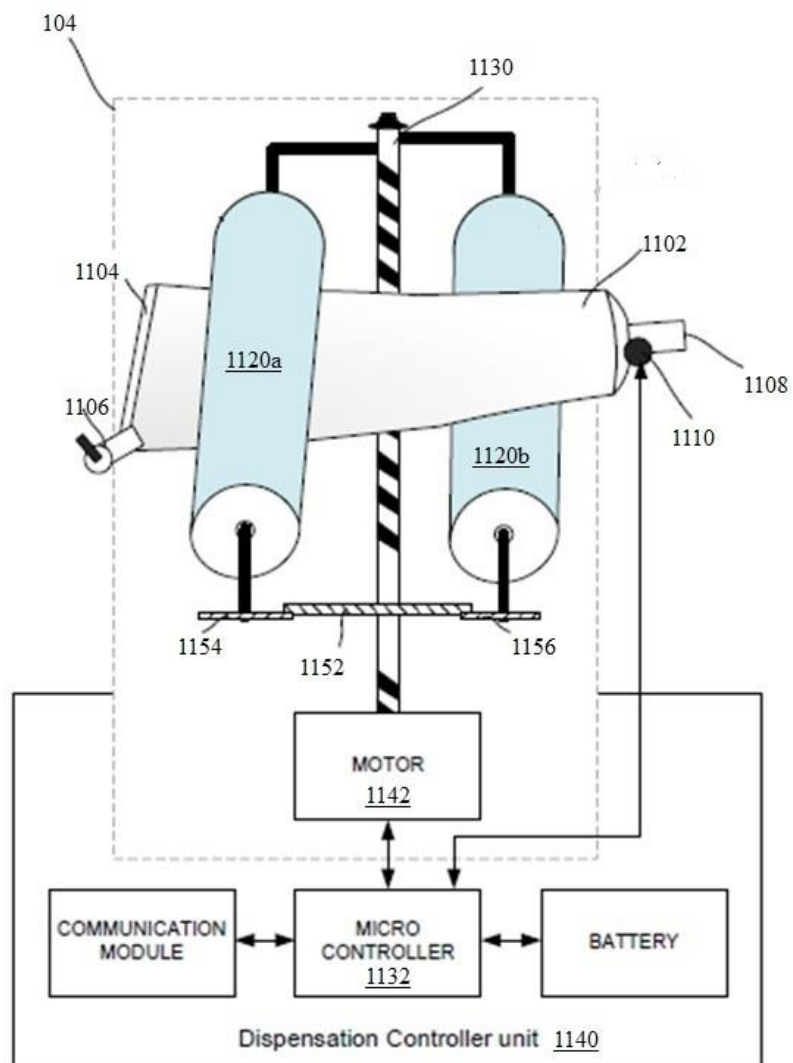


FIGURE 11

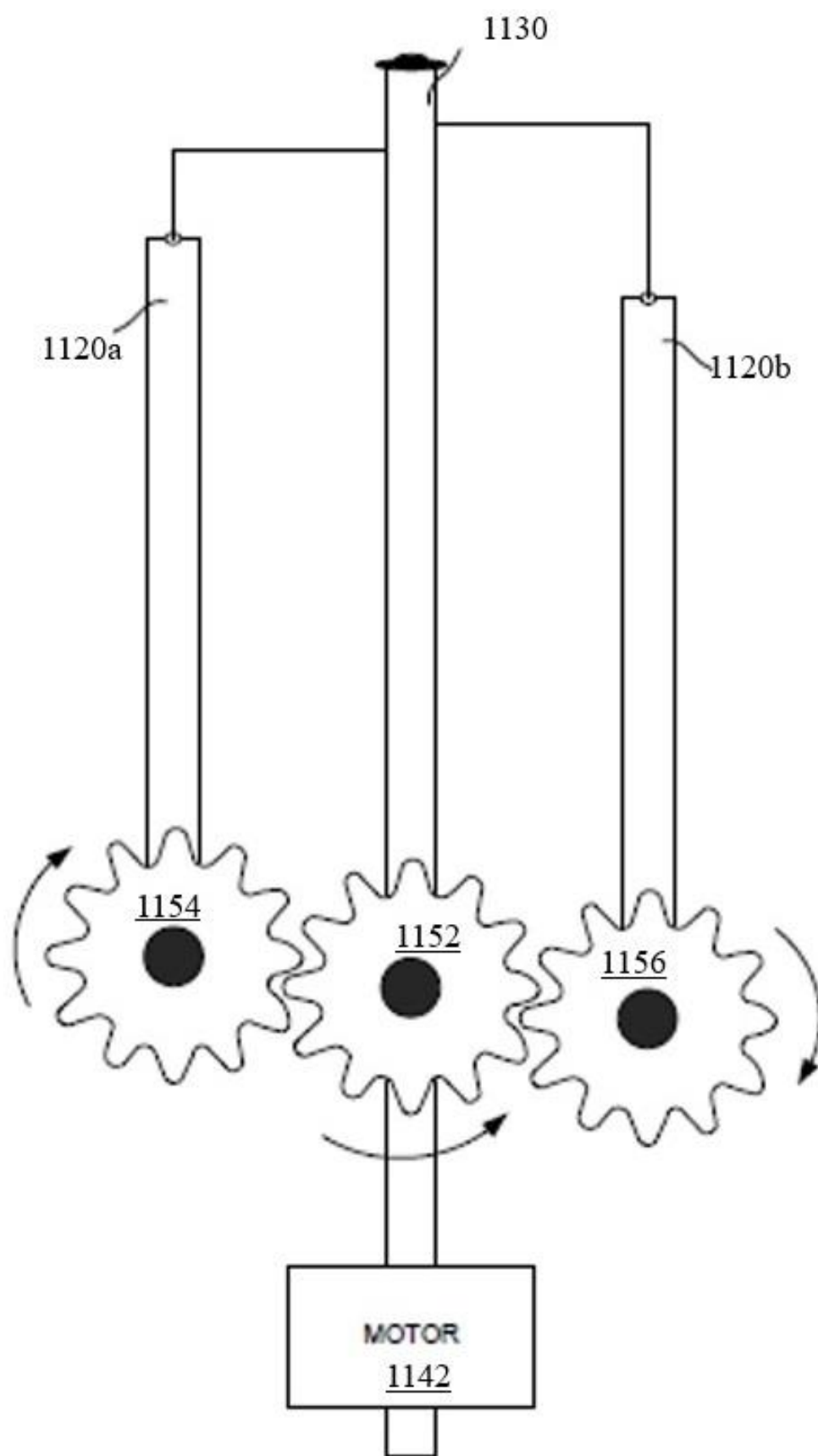


FIGURE 12

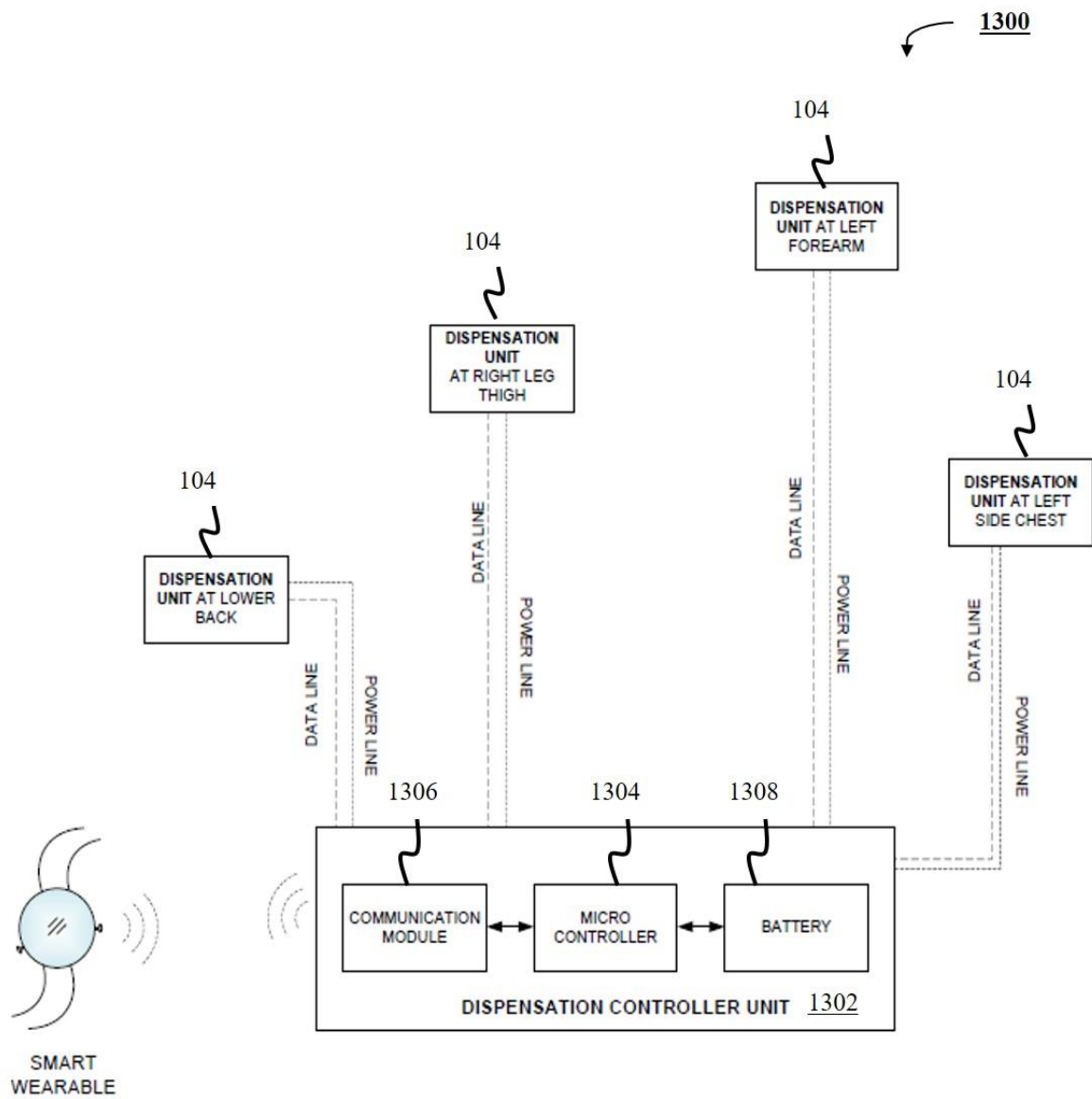


FIGURE 13

Sensor details:				
Internal temperature sensor value (skin)	32 ⁰ C			
External temperature sensor value (air)	35 ⁰ C			
Sweat sensor value	Sensors having sensitivity of 0.039 (pF/s)/(g/m ² h) and linearity of 97.9% in human sweat rate range			
Sweat – Average thermal status value (evaporation rate)	(32.06 ± 27.19) g/m ² h			
Relative humidity (the ratio of the partial pressure of water vapor to the equilibrium vapor pressure of water at a given temperature)	45%			
UV radiation value (UV Index Number) /exposure	UV Index Number	Exposure level	Time to burn (minutes)	Actions to take
Broad spectrum UVA/UVB	0,1,2	Minimal	60	Apply SPF15
	3,4	Low	45	Apply SPF15
	5,6	Moderate	30	Apply SPF15 or SPF20
	7,8,9	High	15-25	Apply SPF15 or SPF30
	10 or higher	Very high	10	Apply SPF30 or higher
Sun protection factor (SPF)	SPF15, SPF20, SPF30, SPF50			
Choosing between different moisturizer/sun screen having different SPF	SPF 30 is the most common level for most people and skin types. SPF 15 blocks 93% of UVB rays, SPF 30 blocks 97% of UVB rays and SPF 50 blocks 98% of UVB rays.			
Indication to apply	Before 15 minutes before sun exposure			
Application quantity of Moisturizer (normal condition)	2.5 ml for face alone 5 ml for whole body			
Body skin details:				
Skin type	Normal skin, a dry skin, an oily skin, a sensitive skin			
Skin tone/complexion	light, fair, medium, olive, brown and black			
Other Skin related information/diseases	Redness of skin, burning of affected areas, tightness of skin, itching and peeling of skin, dehydration, Psoriasis			
Moisturizer application areas	Face, head, hands, legs or any other parts of the body			

FIGURE 14A

1404

Location (GPS)	N 12° 54' 31.489'' E 77° 39' 6.861'' Bangalore
Internal Temperature	35°C
External Temperature	39°C
Evaporation rate	42 g/m ² h
UV index	6
User skin type	Normal skin
User skin complexion	Medium
Age	33
Gender	Female
Other skin related information	Dehydration reported by user
Moisturizer application area – selected by user for dehydration	Face, hands
Option selected by user	face (3 times) hand (2 times)

FIGURE 14B

1406

Total number of containers in dispensation unit	3 (CNT_001, CNT_002 & CNT_003)
Selected container for dispensation	CNT_002
Container outlet size (CNT_002)	1cm
Battery charge for one rotation of first gear	3mAh
The number of times first gear to be rotated	2 times
Suggested SPF	SPF20
Suggested lotion	Aloe Vera sunscreen gel
Total quantity to dispense for face	7.5ml
Total quantity to dispense for hand	10ml
Quantity to dispense (for face) every time	2.5ml
Quantity to dispense (for hand) every time	5ml
Time set by the system for automatic dispensation (depending on weather conditions & location of user)	For face: 10AM, 2PM & 5:30PM For Hand: 11AM & 3:30PM

FIGURE 14C