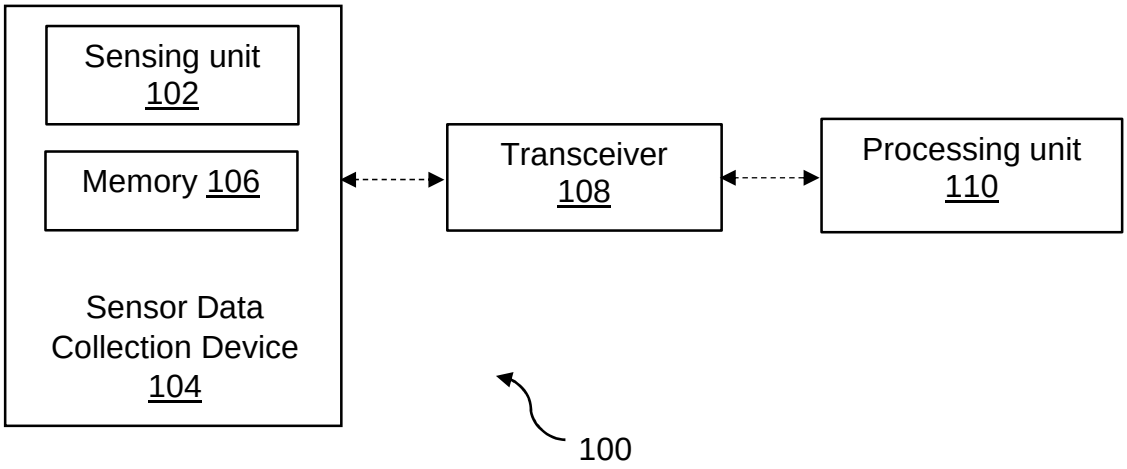


FIGURE 1

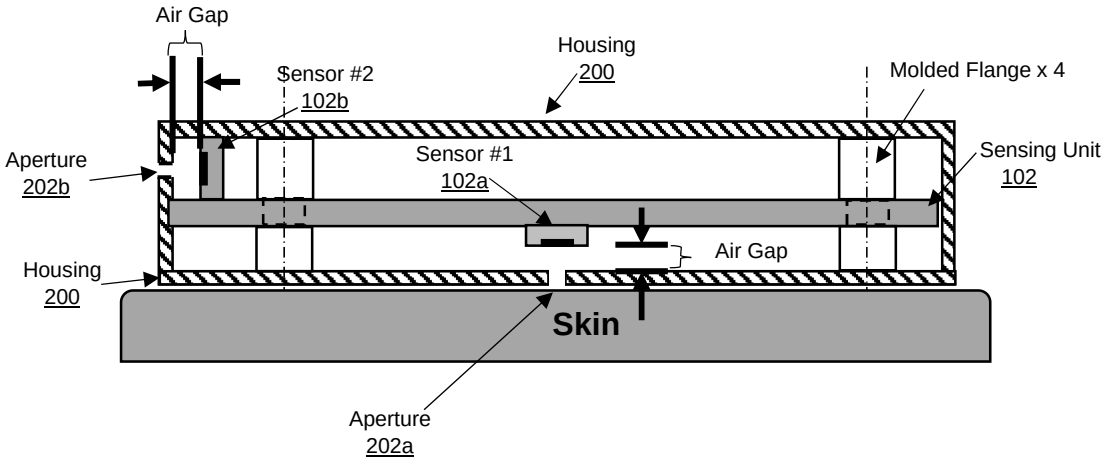
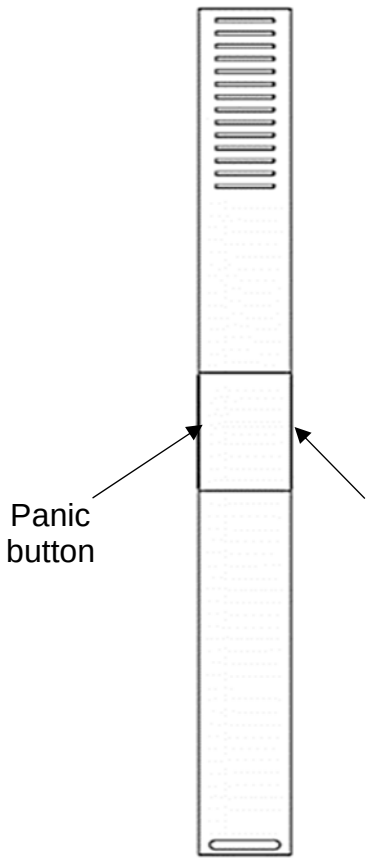
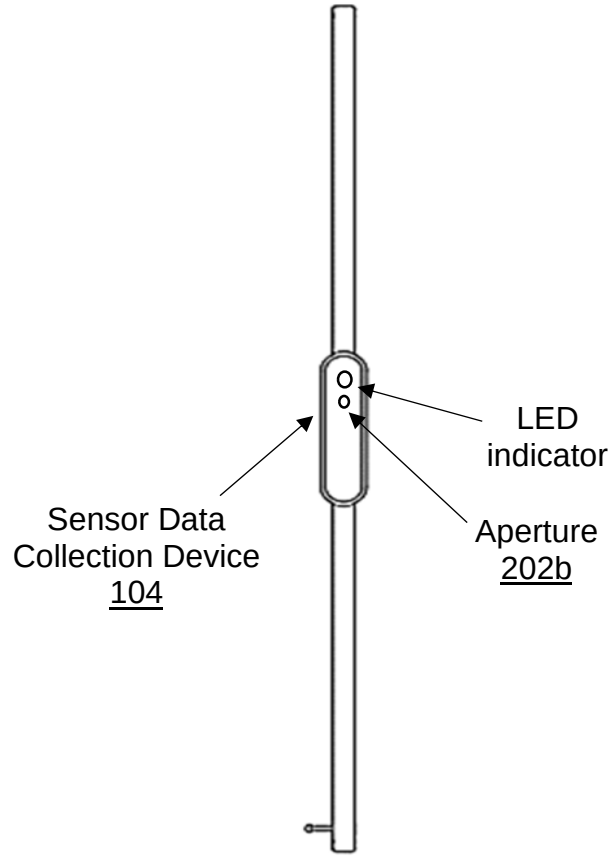


FIGURE 2



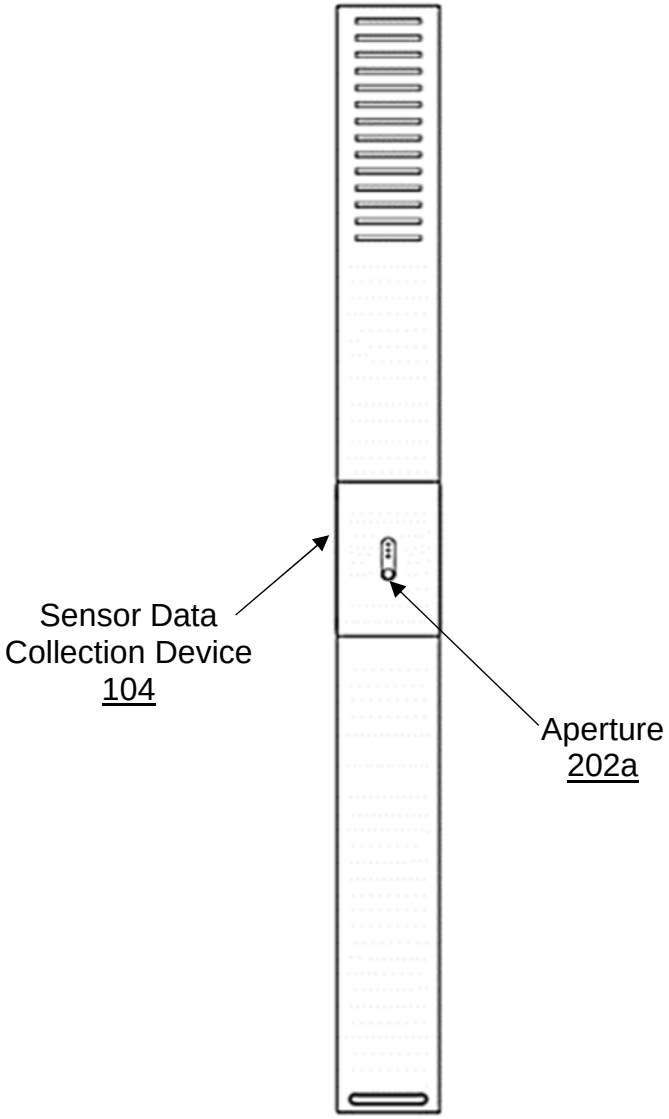
Front View

FIGURE 3a



Side View

FIGURE 3b



Rear View

FIGURE 3c

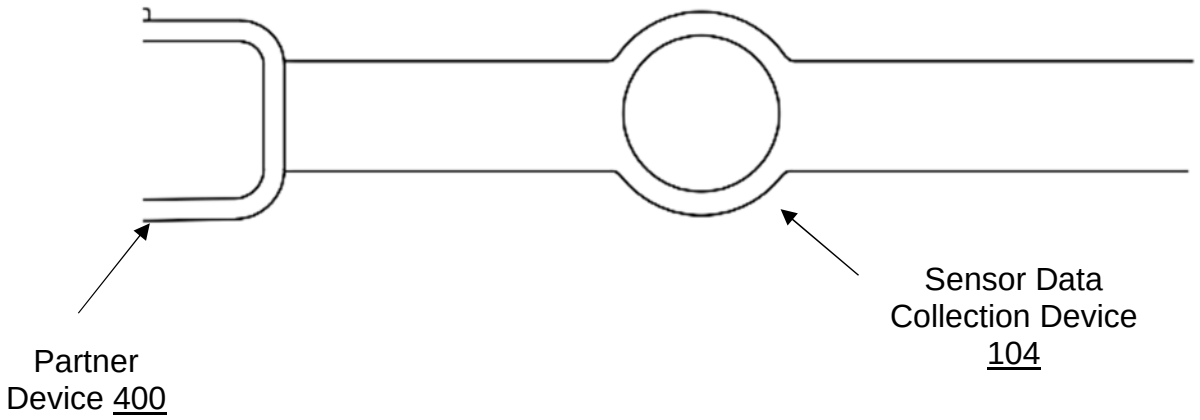


FIGURE 4a

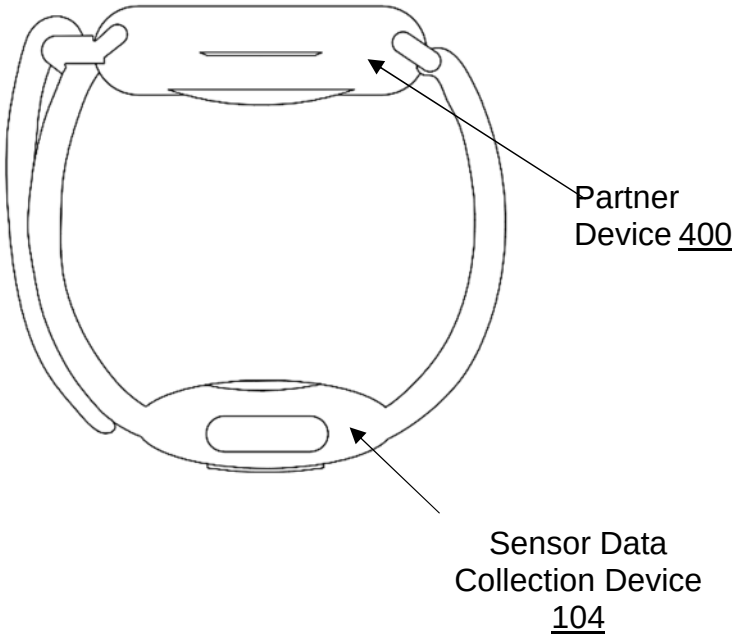
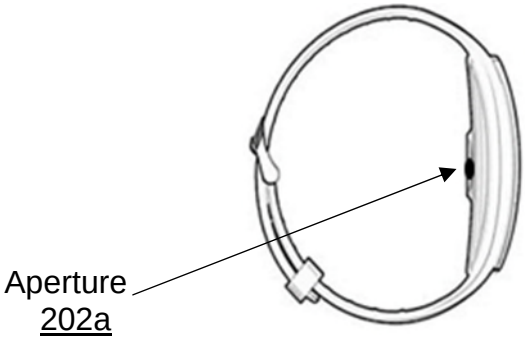
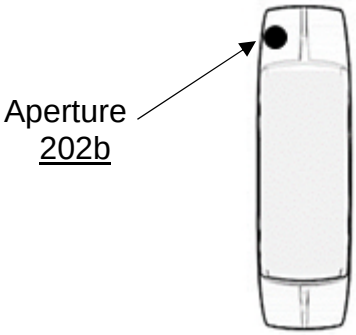


FIGURE 4b



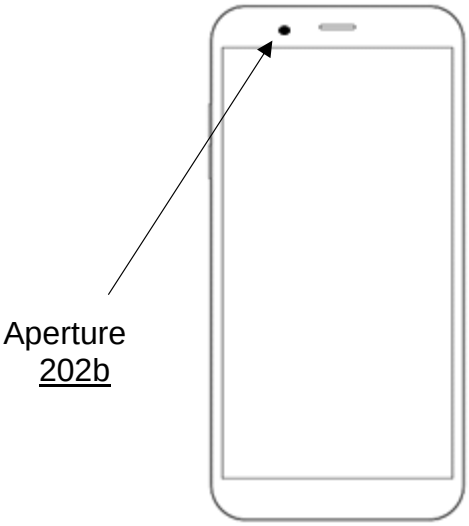
Side View

FIGURE 5a



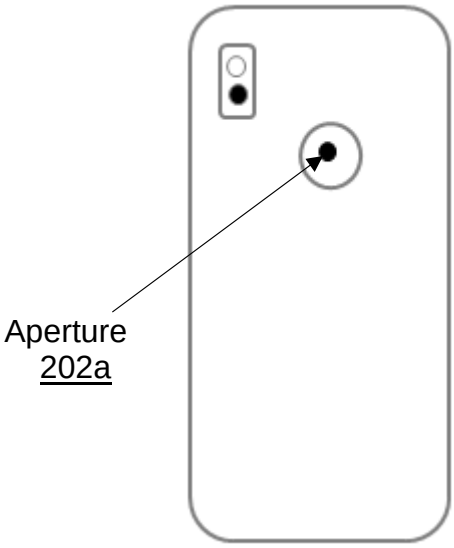
Front View

FIGURE 5b



Front View

FIGURE 6a



Rear View

FIGURE 6b

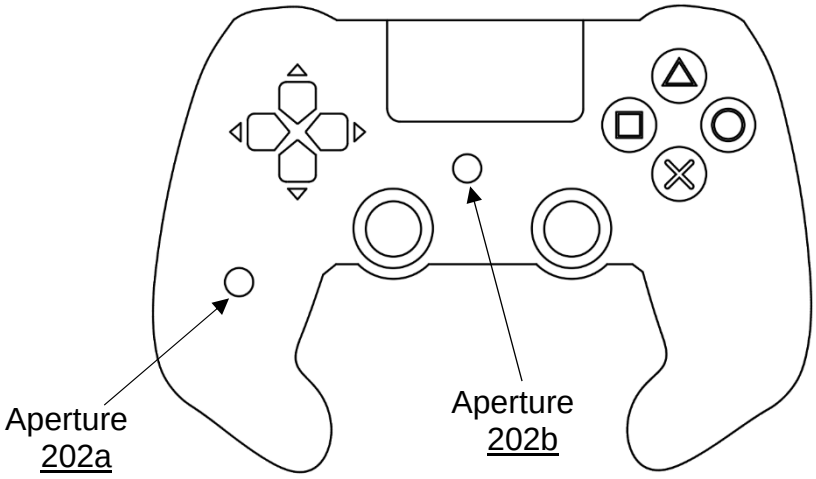


FIGURE 7

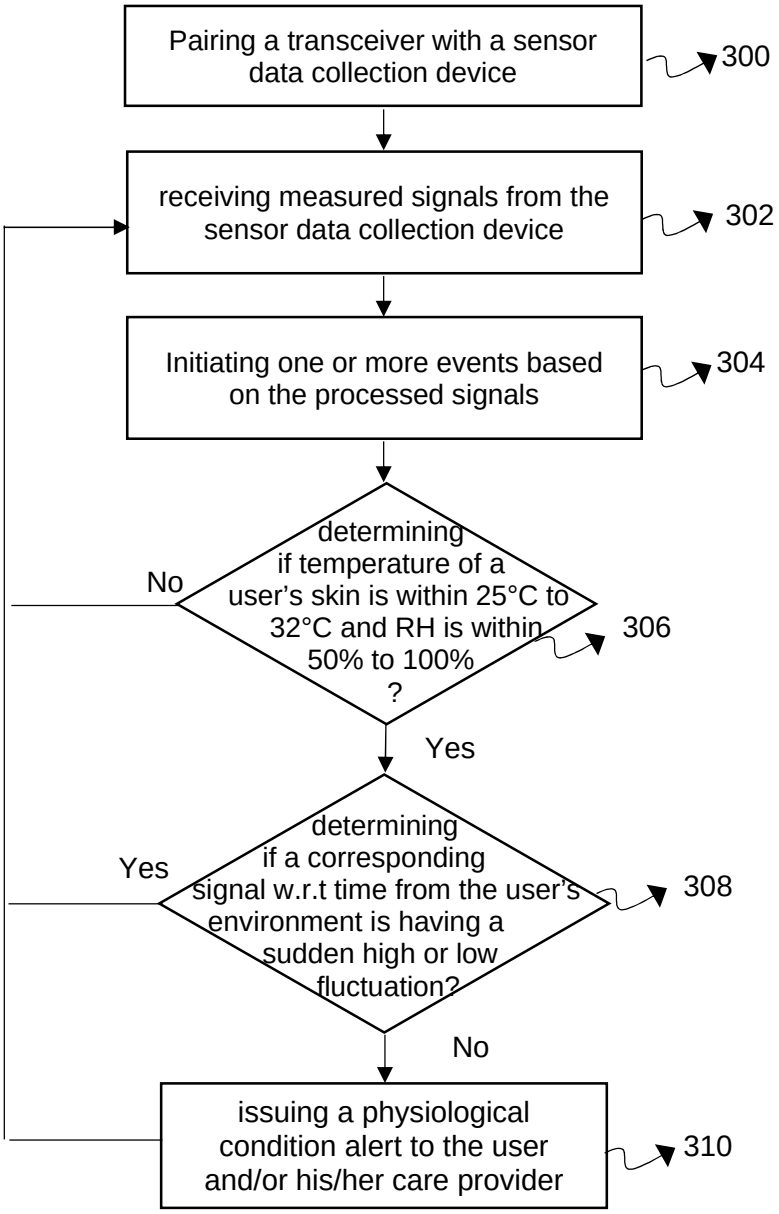
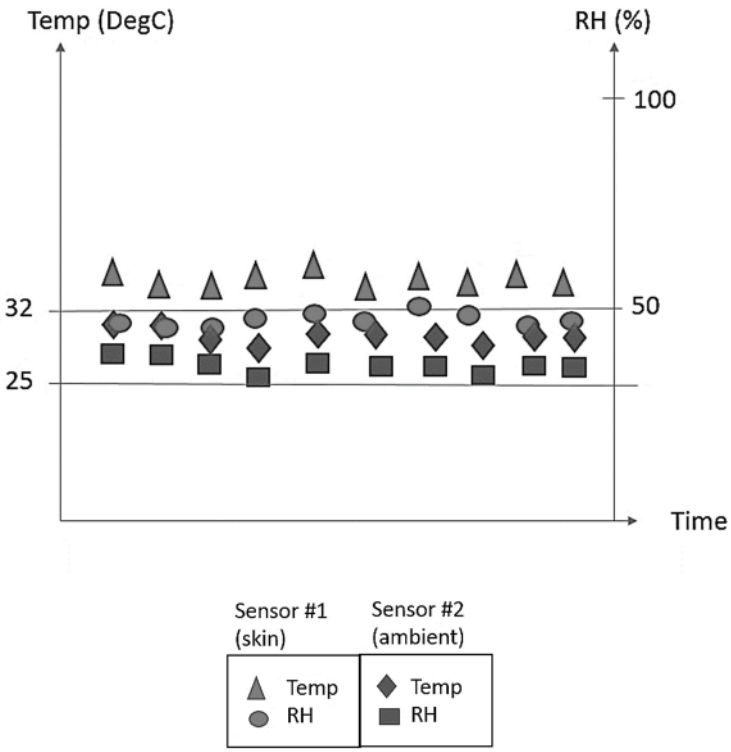
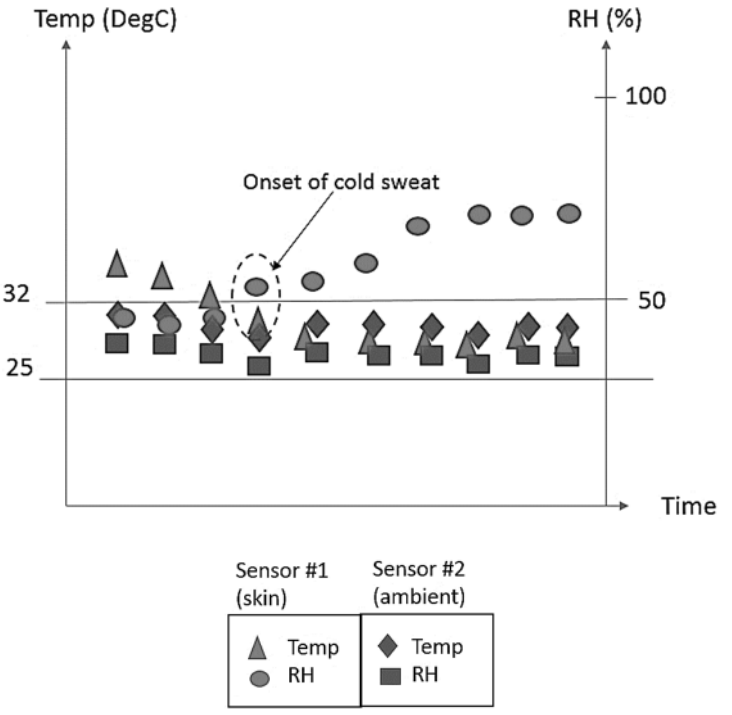

Pairing a transceiver with a sensor data collection device
300
receiving measured signals from the sensor data collection device
302
Initiating one or more events based on the processed signals
304
determining if temperature of a user's skin is within 25°C to 32°C and RH is within 50% to 100% ?
306
No
Yes
determining if a corresponding signal w.r.t time from the user's environment is having a sudden high or low fluctuation?
308
Yes
No
issuing a physiological condition alert to the user and/or his/her care provider
310

FIGURE 8



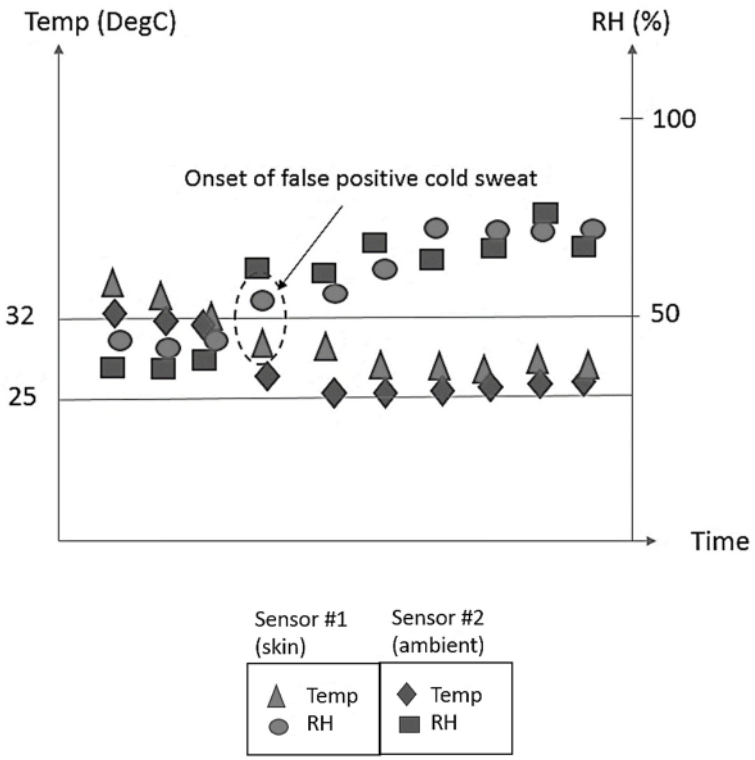
(Device in use – normal condition)

FIGURE 9a



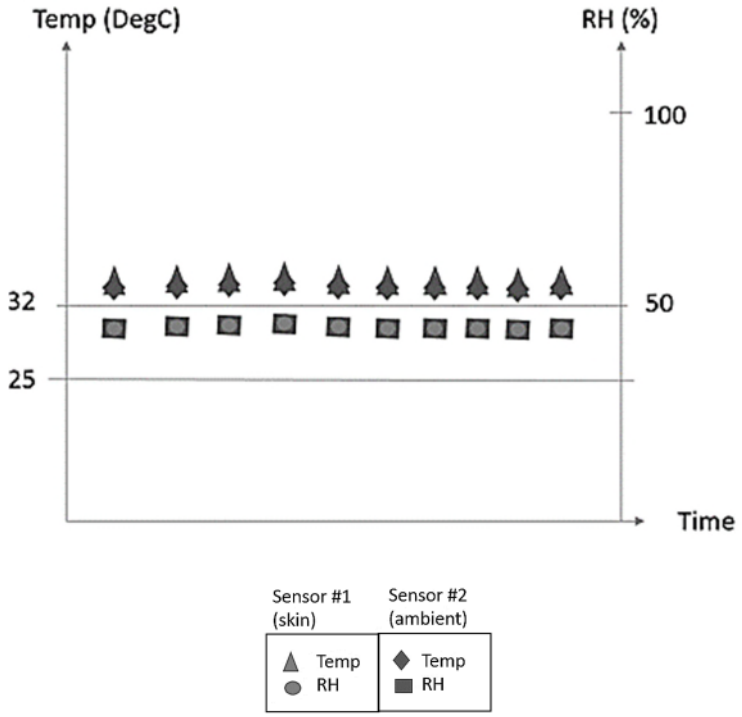
(Detection of a positive physiological condition)

FIGURE 9b



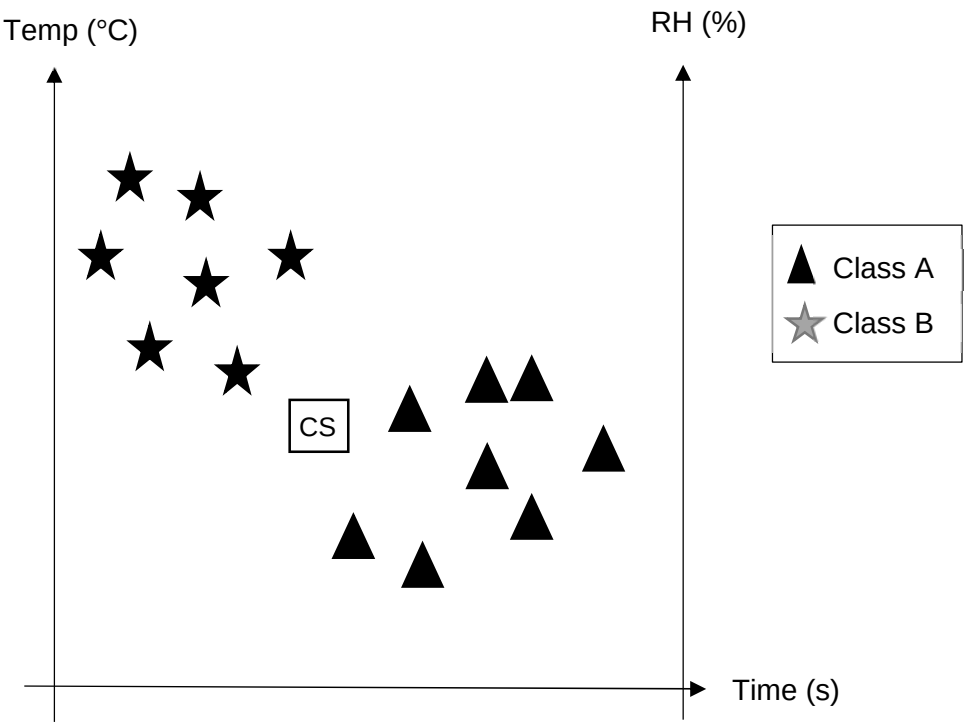
(Detection of a false positive physiological condition)

FIGURE 9c



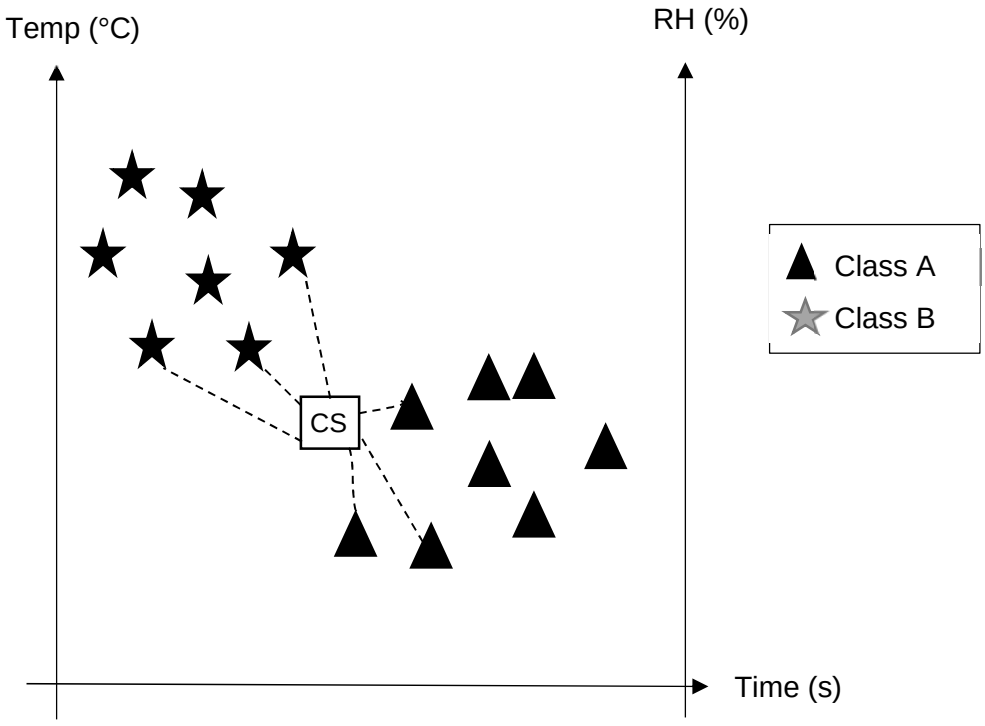
(Device ‘on’ but not in use)

FIGURE 9d



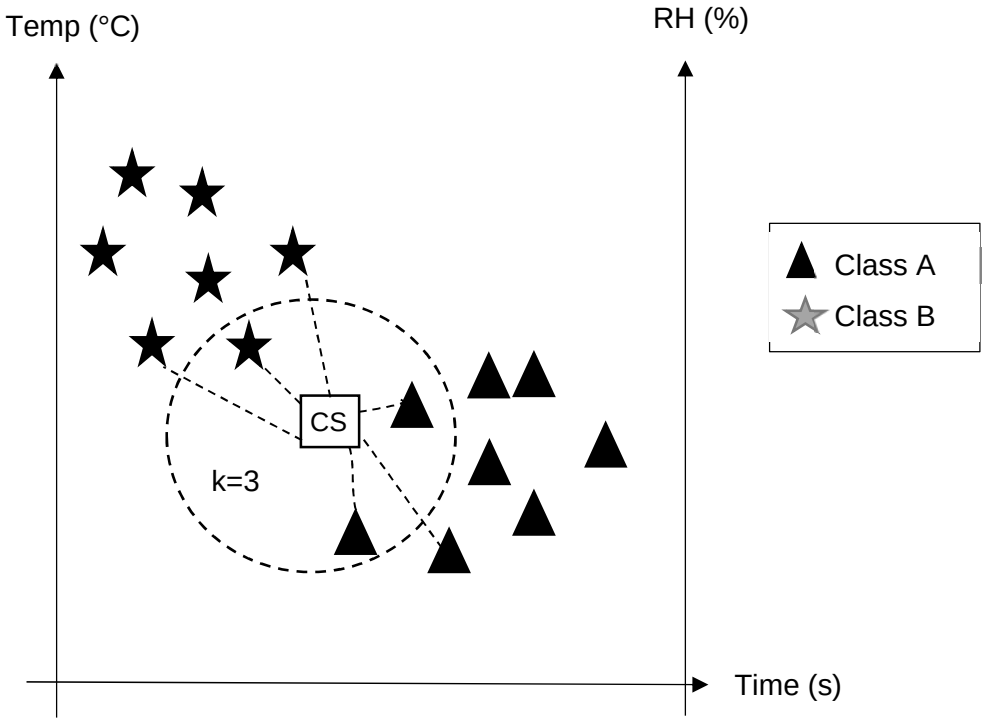
(New signal (“CS”) to classify)

FIGURE 10a



(Calculating distance)

FIGURE 10b



(Finding neighbors and voting for labels)

FIGURE 10c