

'701 Claim Mapping Table	
1[pre]. A wearable electronic device comprising:	
1[a]. a housing comprising an inner surface and an outer surface;	
	19[pre]. A system for performing gesture recognition, comprising:
1[b]. an electronic part disposed within the housing, the electronic part configured to acquire acceleration data from a user associated with the wearable electronic device; and	19[a]. a wearable electronic device configured to measure acceleration data from a user;
	19[b]. a user device communicatively coupled to the wearable electronic device; and
1[c]. one or more processors communicatively coupled to the electronic part, wherein the one or more processors are configured to:	19[c]. one or more processors communicatively coupled with the wearable electronic device and the user device, wherein the one or more processors are configured to:
1[c][i]. receive the acceleration data from the electronic part;	19[c][i]. receive the acceleration data measured from the user via the wearable electronic device;
1[c][ii]. identify a gesture performed by the user based at least in part on the acceleration data;	19[c][ii]. identify a gesture performed by the user based at least in part on the acceleration data;
1[c][iii]. determine that the gesture matches a gesture pattern from a plurality of gesture patterns; and	19[c][iii]. determine that the gesture matches a gesture pattern from a plurality of gesture patterns; and
1[c][iv]. generate a message based at least in part on the gesture matching the gesture pattern, wherein the message is configured to cause a feedback component of the wearable electronic device to provide feedback to the user, cause a communication component of the wearable electronic device to transmit a signal to an external device, or both.	19[c][iv]. generate a message based at least in part on the gesture matching the gesture pattern, wherein the message is configured to cause a feedback component of the wearable electronic device to provide feedback to the user, cause a communication component of the wearable electronic device or the user device to transmit a signal to an external device, or both.

	20. The system of claim 19, wherein the one or more processors are positioned within the wearable electronic device, within the user device, within one or more external servers, or any combination thereof.
2. The wearable electronic device of claim 1, wherein the one or more processors are further configured to: determining that a portion of the acceleration data satisfies an acceleration threshold, wherein identifying the gesture performed by the user is based at least in part on the portion of the acceleration data satisfying the acceleration threshold.	
3[a]. The wearable electronic device of claim 1, wherein the one or more processors are further configured to: receive an indication of a training mode for gesture recognition;	
3[b]. receiving additional acceleration data from the electronic part based at least in part on receiving the indication of the training mode; and	
3[c]. generating the gesture pattern included within the plurality of gesture patterns based at least in part on the additional acceleration data.	
4[a]. The wearable electronic device of claim 3, wherein the one or more processors are further configured to: receive a user input comprises a gesture command that is to be performed at least in part by the wearable electronic device upon identifying the gesture that matches the gesture pattern,	

4[b]. wherein generating the message is based at least in part on receiving the user input.	
5[a]. The wearable electronic device of claim 3, wherein the additional acceleration data is associated with multiple instances of a training gesture performed by the user, the training gesture associated with the gesture, wherein generating the gesture pattern is based at least in part on the multiple instances of the training gesture,	
5[b]. wherein the one or more processors are further configured to: generate one or more error tolerances associated with the gesture pattern based at least in part on the multiple instances of the training gesture, wherein determining that the gesture matches the gesture pattern is based at least in part on the one or more error tolerances.	
6[a]. The wearable electronic device of claim 1, wherein the plurality of gesture patterns correspond to a plurality of gesture commands,	
6[b][i]. wherein the one or more processors are further configured to: identify a gesture command that corresponds to the identified gesture based at least in part on determining that the gesture matches the gesture pattern, the gesture command included within the plurality of gesture commands,	
6[b][ii]. wherein the message generated by the one or more processors is configured to perform at least a portion of the gesture command.	

7[a]. The wearable electronic device of claim 1, wherein the message instructs the communication component to transmit the signal to the external device,	
7[b]. wherein the signal instructs the external device to selectively modify one or more parameters of the external device.	
11. The wearable electronic device of claim 1, wherein the one or more processor are configured to: authenticate an identity of the user based at least in part on determining that the gesture matches the gesture pattern, wherein generating the message is based at least in part on authenticating the identity of the user.	
13[a]. The wearable electronic device of claim 1, wherein the external device comprises an access node,	
13[b]. wherein the communication component is configured to: transmit the signal to the access node, wherein the signal comprises an indication of the gesture based at least in part on the gesture matching the gesture pattern.	
14. The wearable electronic device of claim 7, wherein the external device comprises a smartphone, a door, an appliance, a keypad, an alarm system, or any combination thereof.	
15. The wearable electronic device of claim 1, wherein the gesture comprises a pointing gesture, a snapping gesture, a tapping gesture, a knocking gesture, a clicking gesture, a swiping gesture, or any combination thereof.	

16. The wearable electronic device of claim 1, wherein the electronic part comprises an accelerometer, a gyroscope, a magnetometer, a vibration sensor, or any combination thereof.	
17. The wearable electronic device of claim 1, wherein the feedback comprises visual feedback, audio feedback, haptic feedback, or any combination thereof.	
18. The wearable electronic device of claim 1, wherein the wearable electronic device comprises a finger-worn wearable device.	