

					Red - No	Yellow - Maybe	Green - Yes			
					Design 1: Elastic 2-Piece		Design 2: Wire 2-Piece		Design 3: Spring 2-Piece	
Requirement #	Requirement Type	Requirement Statement	Level	Weight (1-10)	Raw Score (1-10)	Weighted Score	Raw Score (1-10)	Weighted Score	Raw Score (1-10)	Weighted Score
1	Functional	The device must suppress 6-12 Hz finger tremors down to 2-3 Hz.	1	10	2	20	4	40	8	80
2	Functional	The device must detect finger tremors with a >90% accuracy.	1	9	2	18	2	18	5	45
3	Functional	The device must differentiate between intentional and involuntary finger movement with a >90% accuracy.	2	9	2	18	2	18	5	45
4	Functional	The device must allow for 4 degrees of freedom (DOF) for all fingers, with the exception of the thumb for which the device will provide 5 DOF.	3	7	5	35	5	35	7	49
5	Physical	The device's finger enclosure(s) must fit on each finger	1	8	9	72	9	72	9	72
6	Physical	The device must fit around the hand and lower wrist/upper forearm	1	8	5	40	5	40	5	40
7	Physical	The device's finger component must weigh between 3-10 grams	2	6	8	48	2	12	8	48
8	Physical	The device must have a max extension of 1.5 inch	2	5	6	30	5	25	7	35
9	Physical	The device must position cords to prevent contact with the user's skin	3	6	5	30	5	30	5	30
10	Cost	The device must cost less than existing market solutions (>\$1500)	1	7	9	63	9	63	9	63
11	Cost	The device must be within the inventor's budget (<\$200)	2	9	9	81	9	81	9	81
12	Cost	The elastic mechanism (springs) must cost less than \$20	3	4	8	32	6	24	7	28
13	User	The user must be able to wear and remove the device with ease	1	7	9	63	9	63	9	63
14	User	The user must be able to support 10 grams with their hands for an extended period of time (15-20 minutes)	1	6	5	30	5	30	5	30
15	User	The user must be able to control each modular component of the design	2	5	7	35	7	35	7	35
16	User	The device must be comfortable for the user	3	7	6	42	4	28	7	49
17	Documentation	The device must include a user manual	1	3	10	30	10	30	10	30
18	Documentation	The device must include all design documentation	2	4	10	40	10	40	10	40
Total Score					727		684		863	