

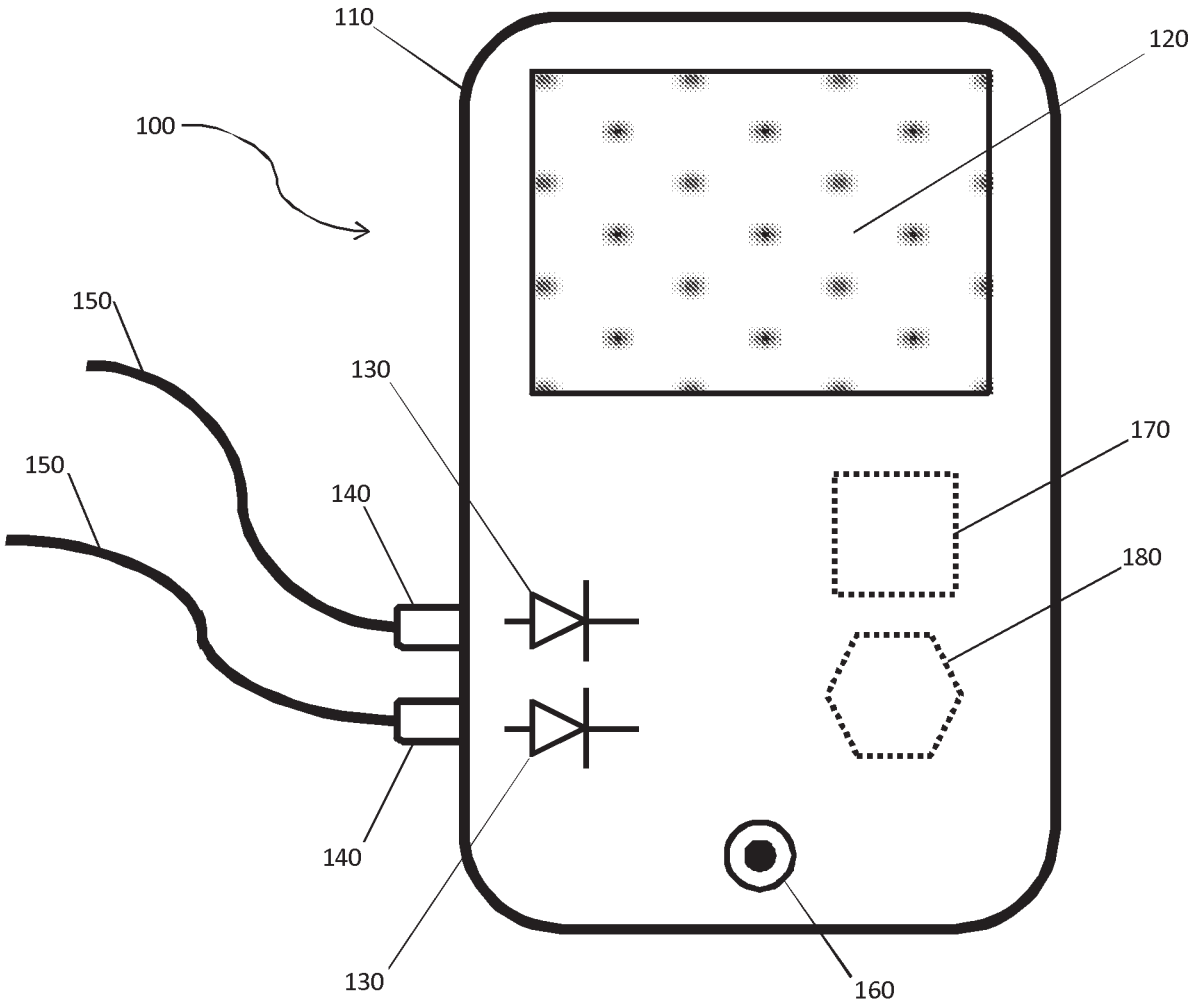


Figure 1A

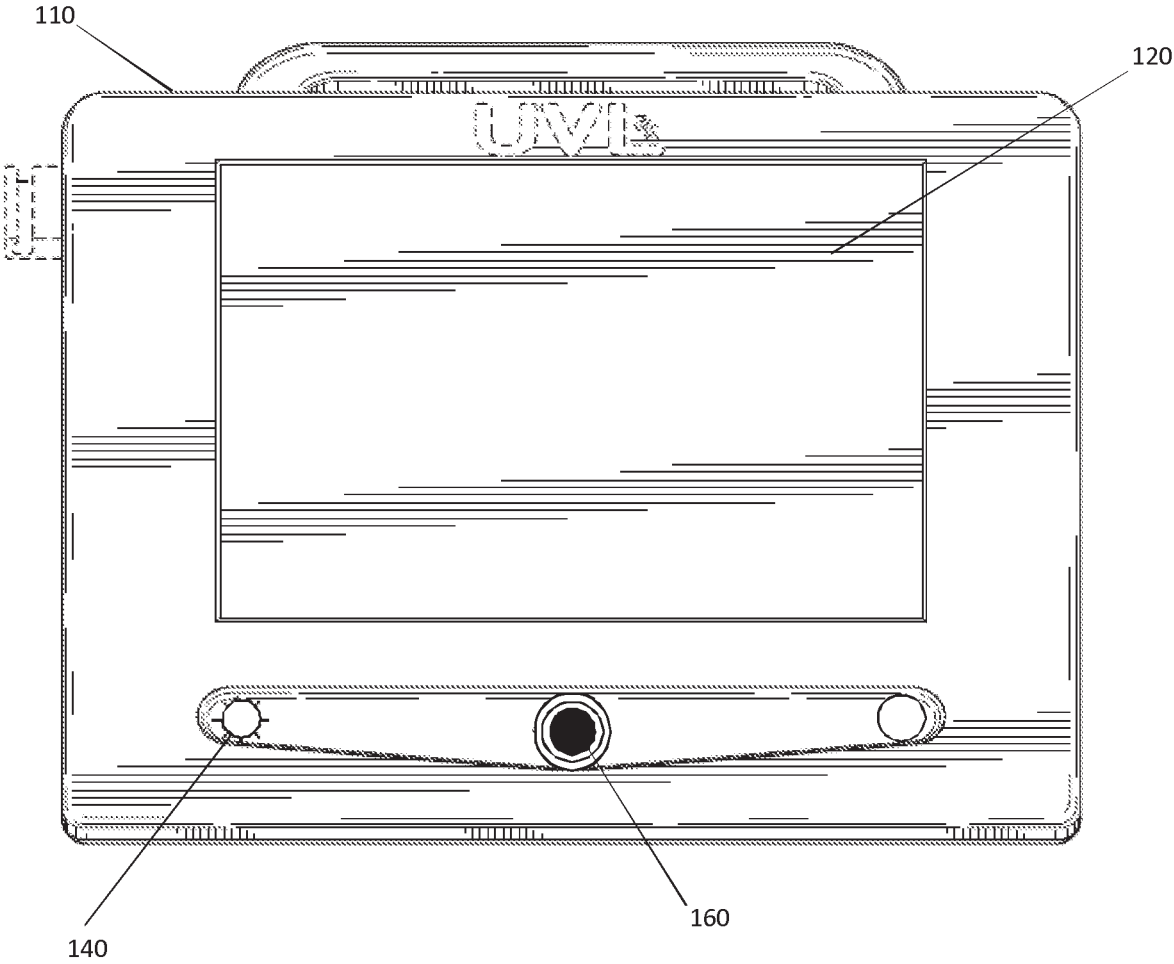


Figure 1B

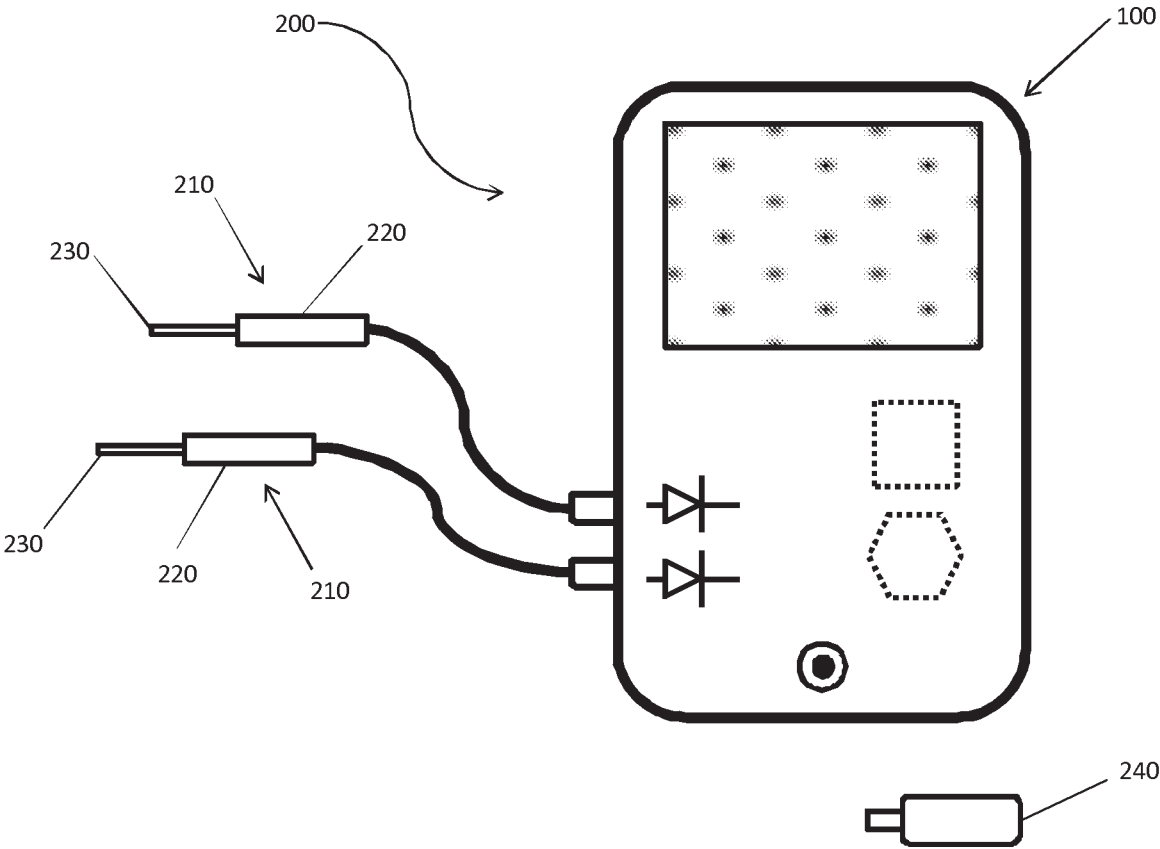


Figure 2

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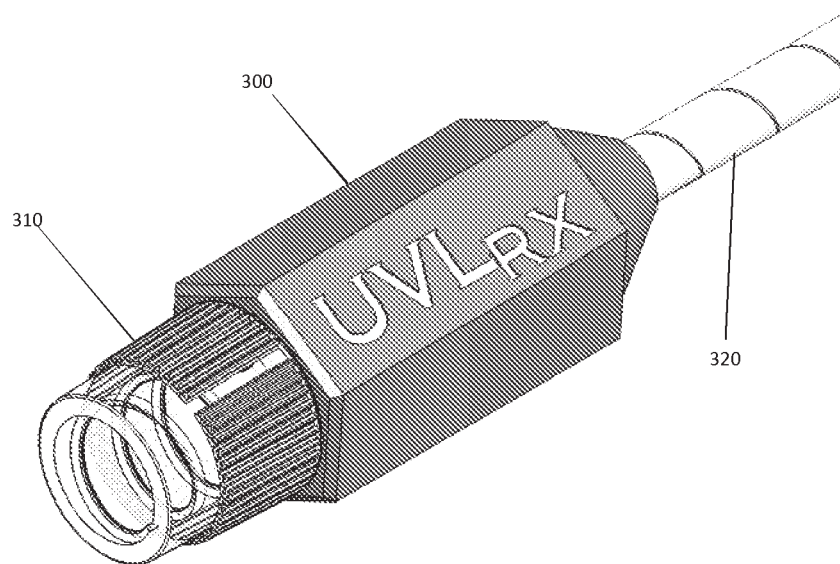


Figure 3

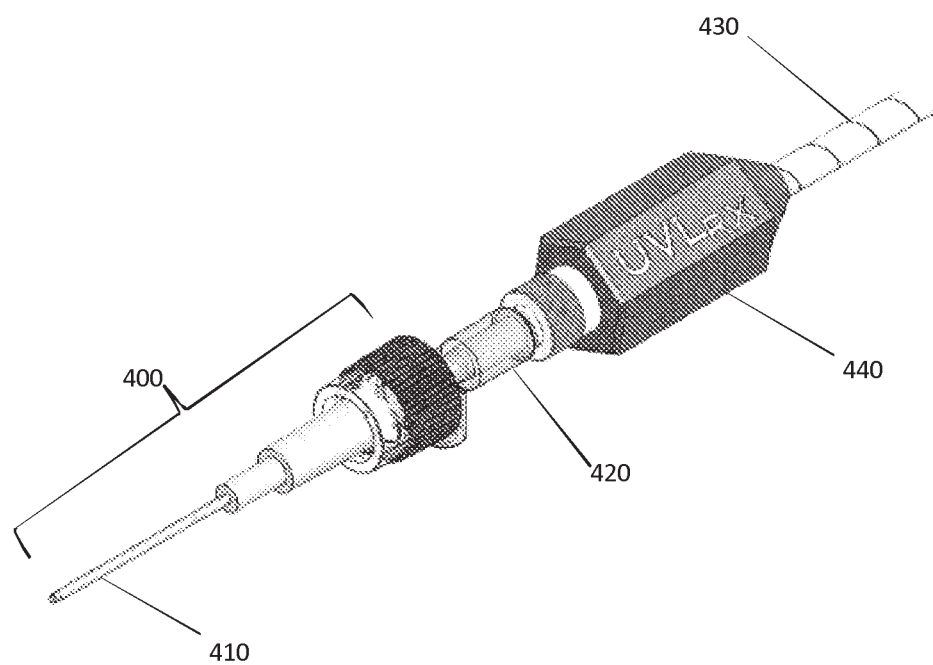
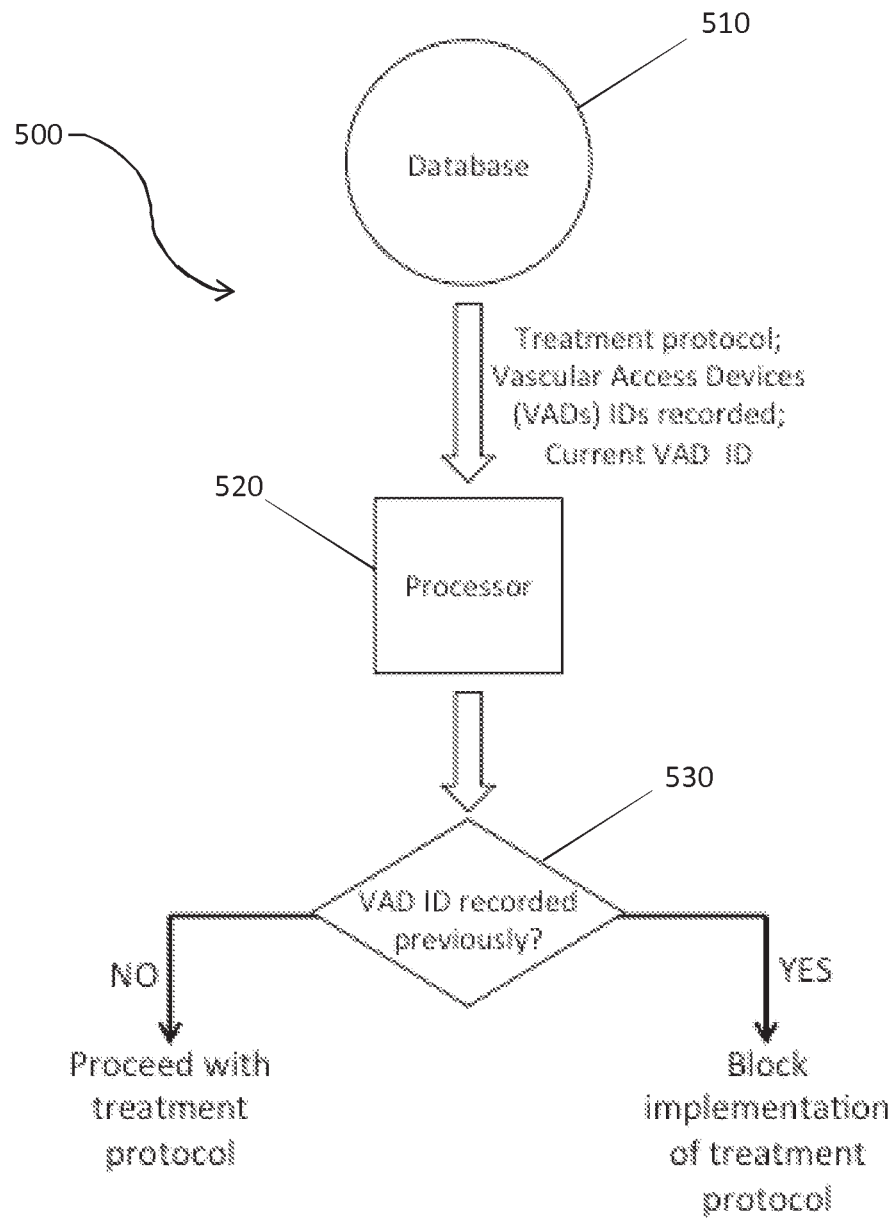
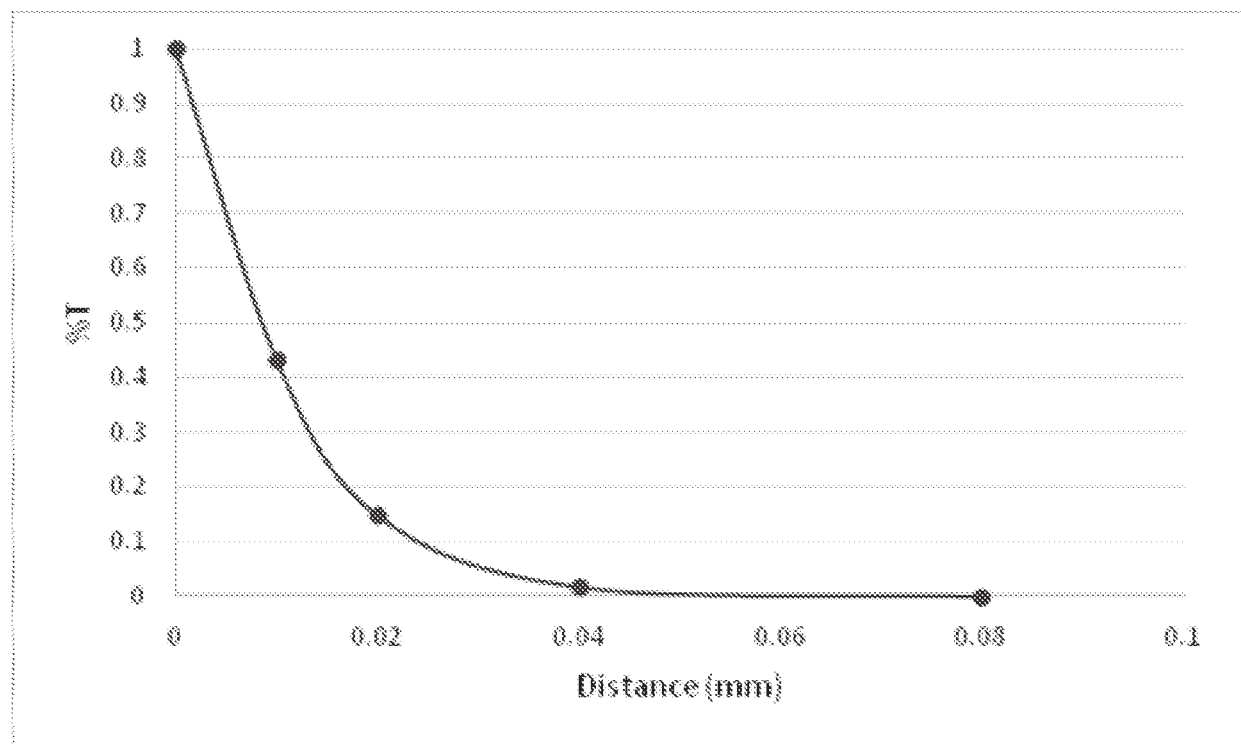


Figure 4

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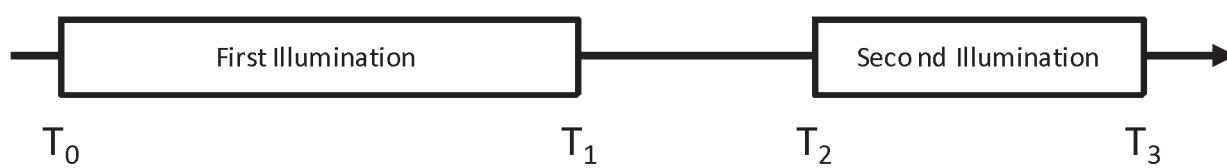
**Figure 5**

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**Figure 6**

Virus	Reported effective UV fluence (mJ/cm²)		Bacteria	Reported effective UV fluence (mJ/cm²)
Poliovirus type 1	5-50		<i>Salmonella typhi</i>	2-10
Adenovirus ST2, 15, 40, 41	8-306		<i>Campylobacter jejuni</i>	0.5-6
Adenovirus ST40	8-184		<i>Yersenia enterocolitica</i>	0.6-5
Adenovirus ST2, 41	30-90		<i>Shigella dysenteriae</i>	1-5
Rotavirus SA-11	5-50		<i>Shigella sonnei</i>	3-8
Calicivirus feline, canine	4-49		<i>Vibrio cholerae</i>	0.6-4
Calicivirus bovine	2-33		<i>Legionella pneumophila</i>	0.5-12
Hepatitis A	5-28		<i>Escherichia coli</i>	1-15
Coxsackie virus B5	5-40		<i>Streptococcus faecalis</i>	2.5-16
MS2-phages	5-139		<i>Bacillus subtilis</i>	5-78
Phi X174	2-12		<i>Clostridium perfringens</i>	48-64
PRD1	9-35			
B40-8	1-39		Eukaryote	Reported effective UV fluence (mJ/cm²)
T7	5-20		<i>Cryptosporidium parvum</i>	2-10
Q Beta	10-50		<i>Campylobacter jejuni</i>	0.5-6
			<i>Yersenia enterocolitica</i>	0.6-5
			<i>Shigella dysenteriae</i>	1-5

Figure 7

**Figure 8**