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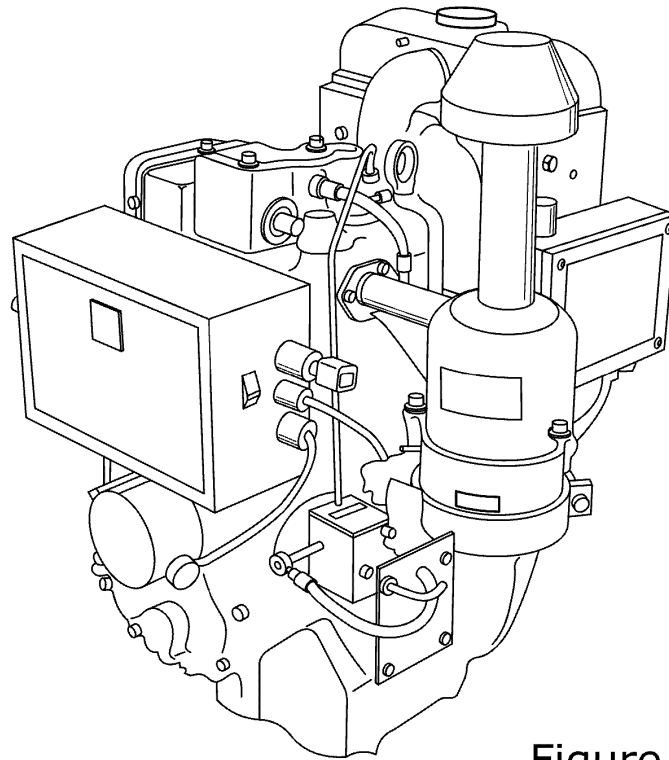


Figure 1

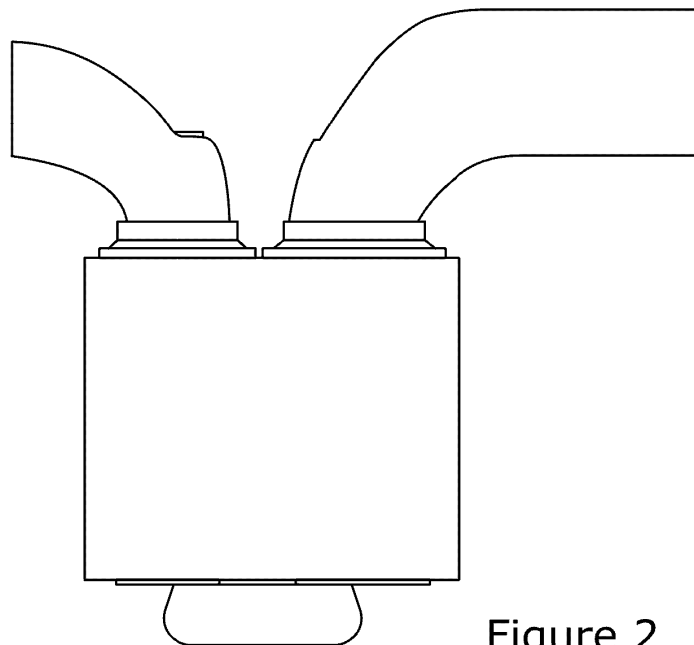


Figure 2

Injection angle Substitution ratio	Injection angle Hydrogen(320°/CA) Oxygen(320°/CA)	Injection angle Hydrogen(330°/CA) Oxygen(320°/CA)	Injection angle Hydrogen(330°/CA) Oxygen(330°/CA)
Substitution ratio (10%)	H10D_320_320	H10D_330_320	H10D_330_330
Substitution ratio (20%)	H20D_320_320	H20D_330_320	H20D_330_330
Substitution ratio (30%)	H30D_320_320	H30D_330_320	H30D_330_330

Figure 3

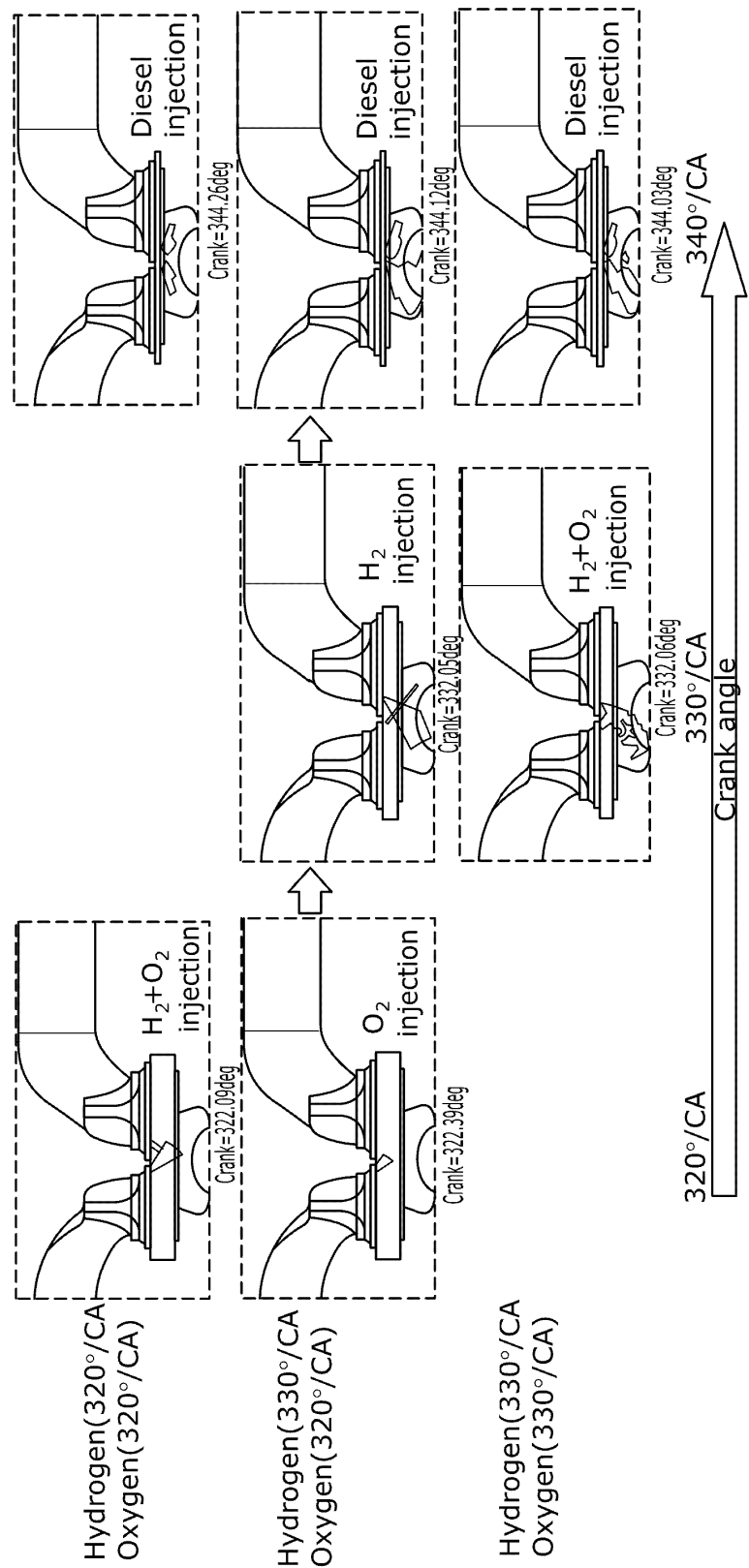


Figure 4

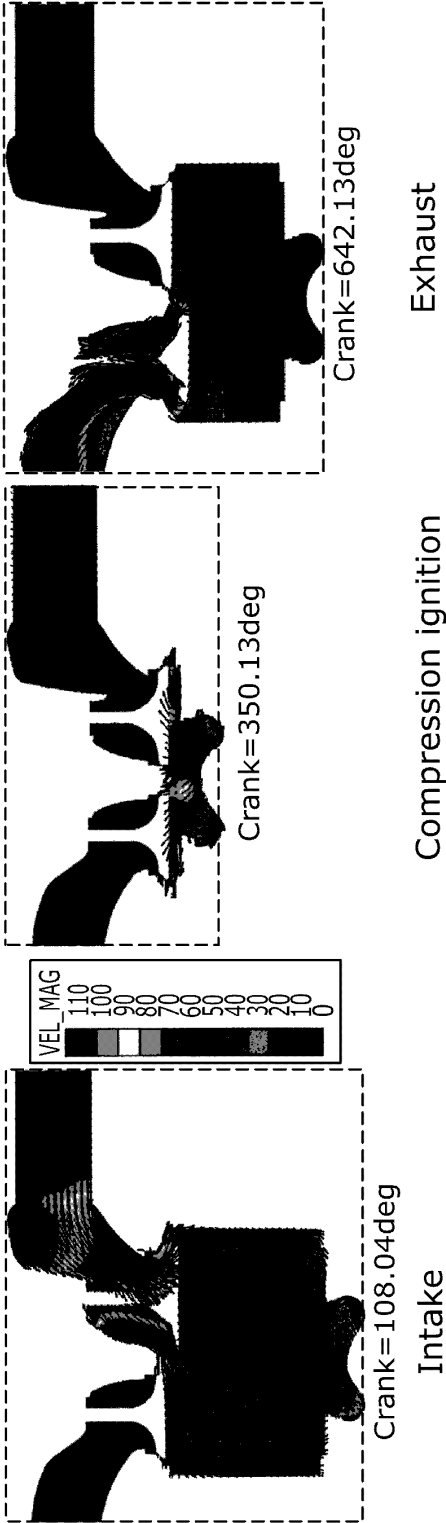


Figure 5a

Figure 5b

Figure 5c

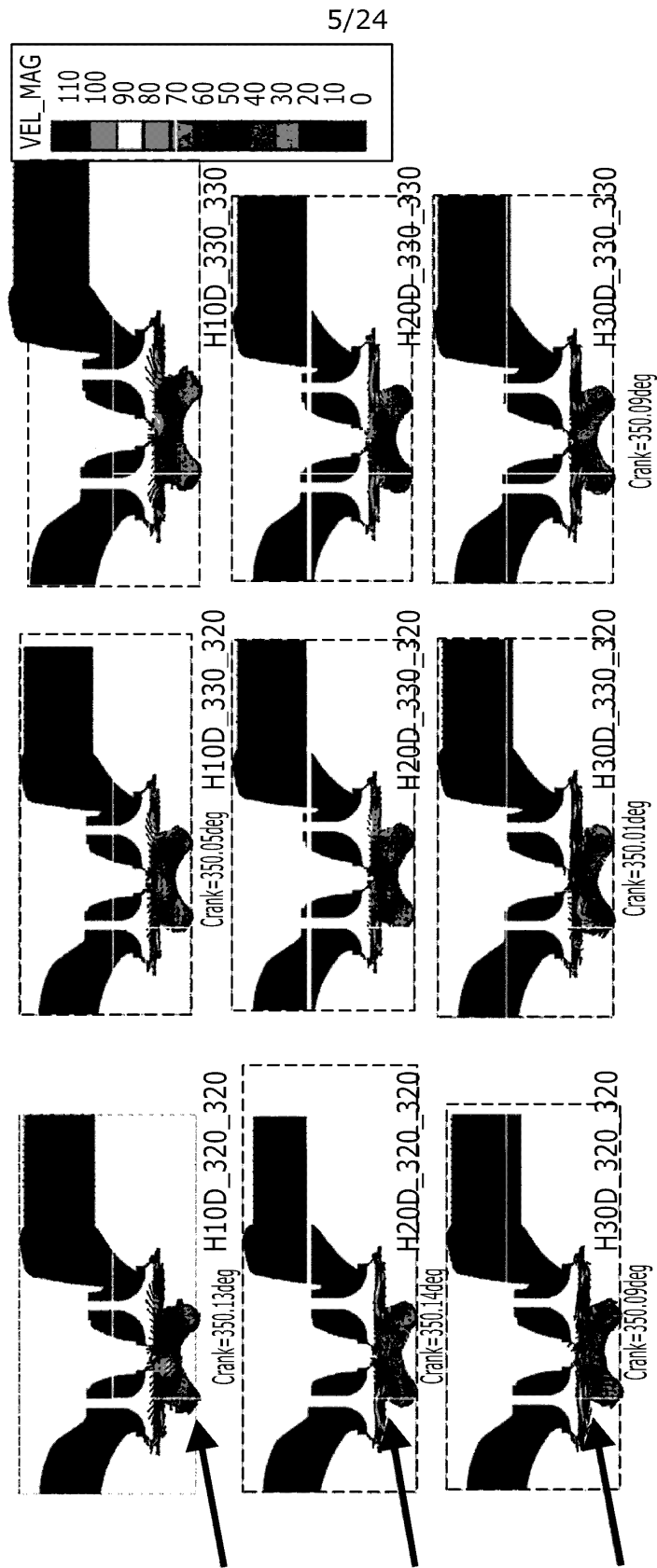


Figure 6

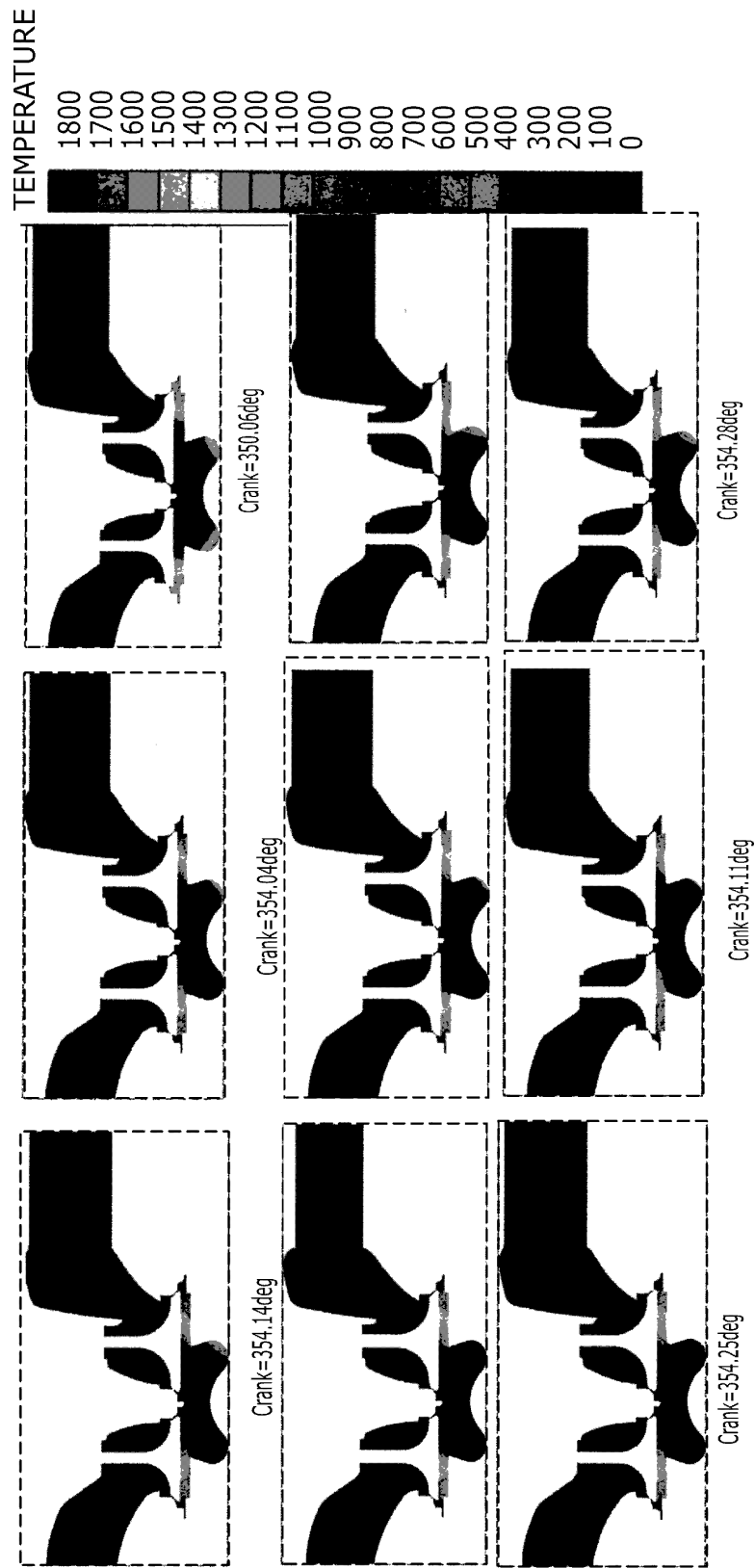


Figure 7

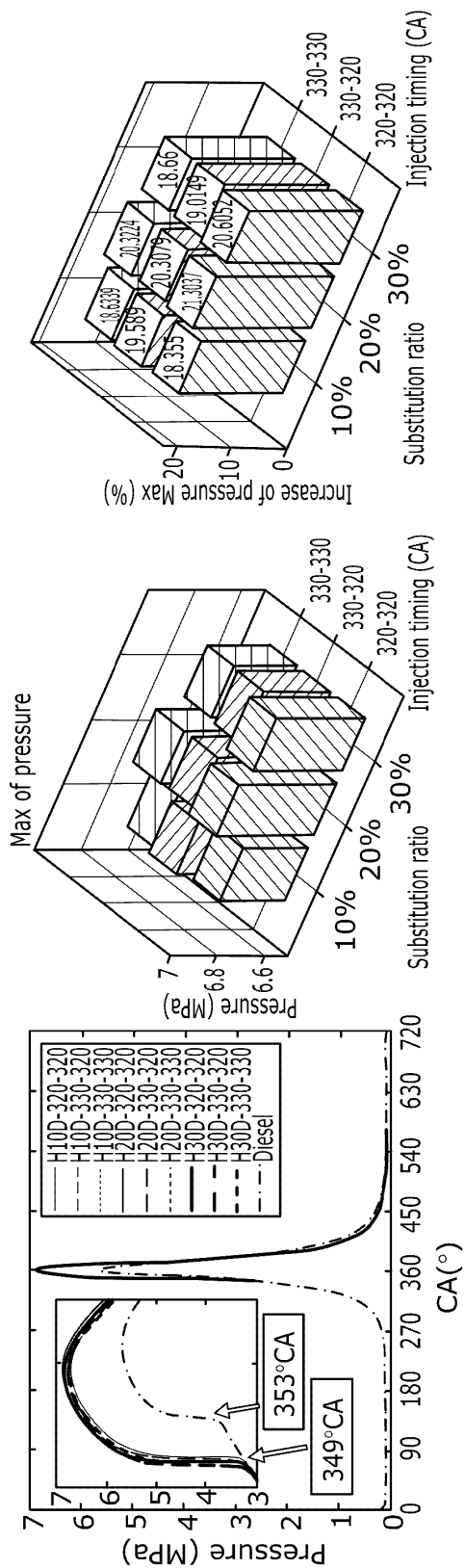


Figure 8

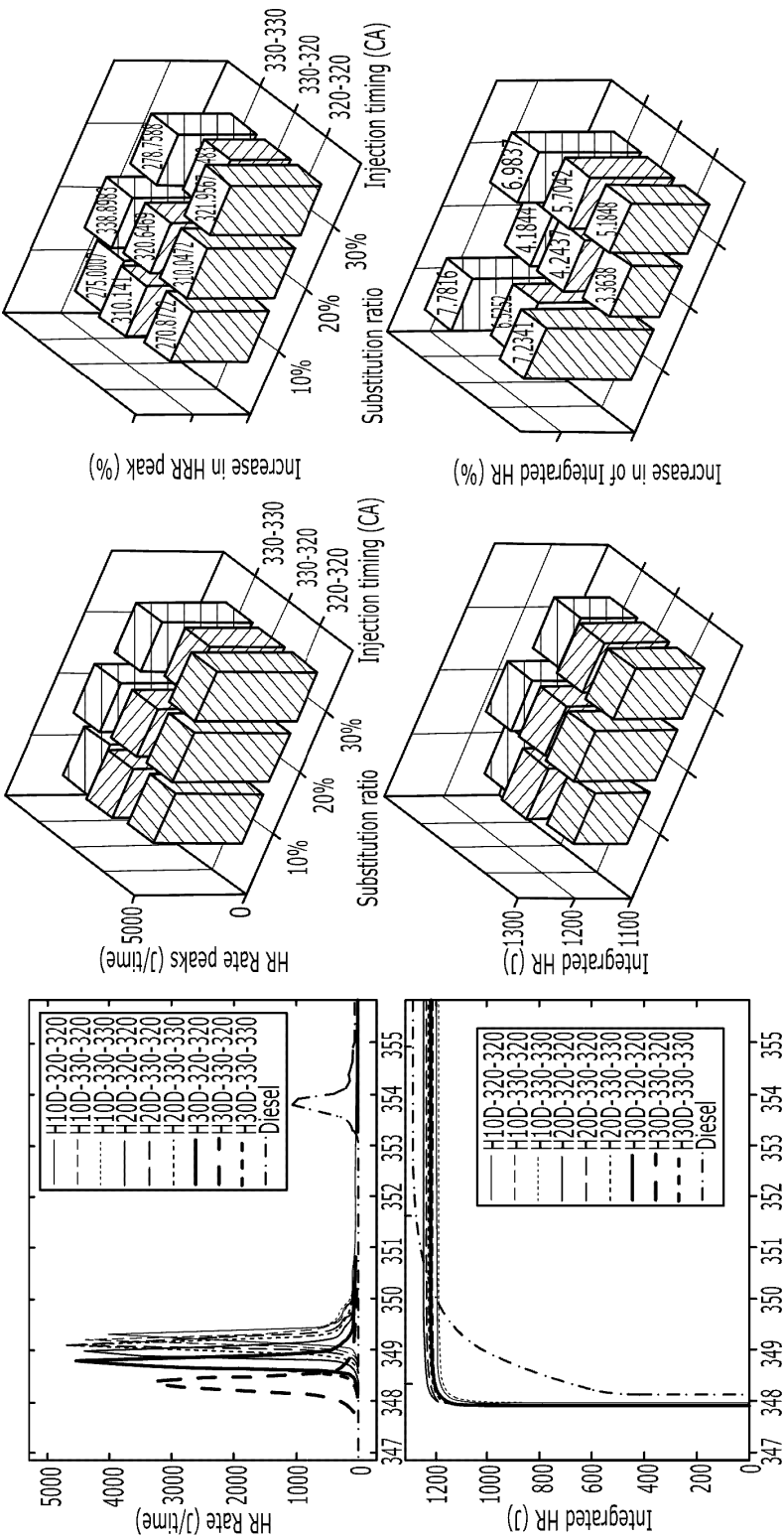


Figure 9

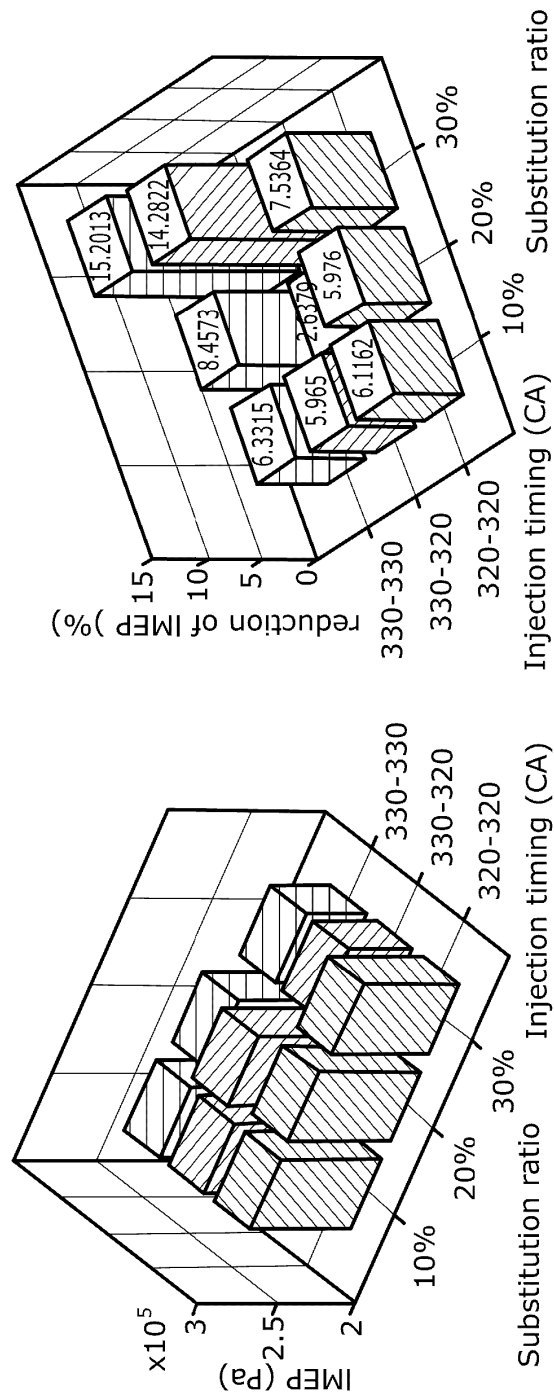


Figure 10

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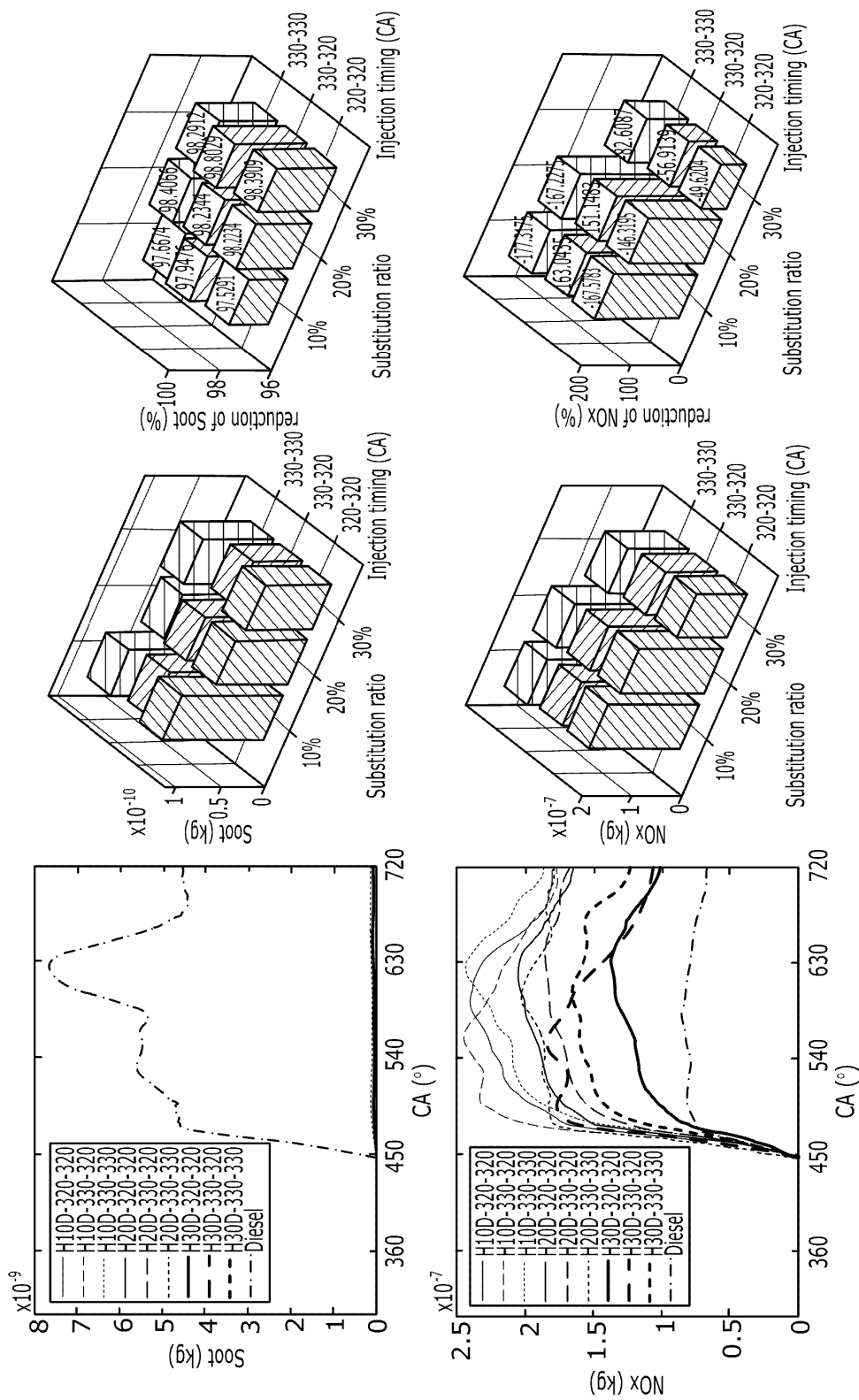


Figure 11

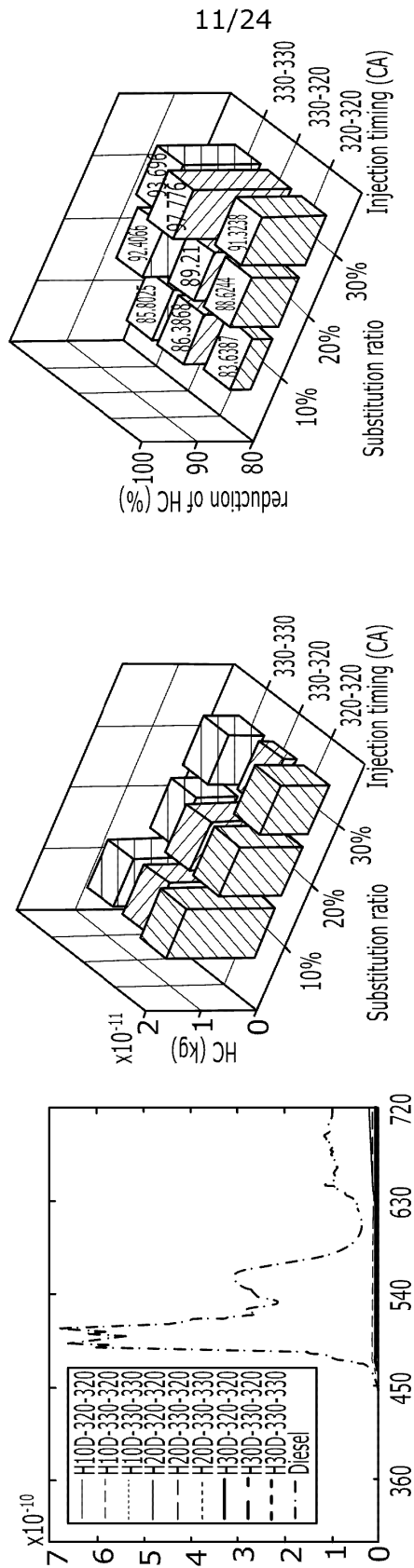


Figure 12

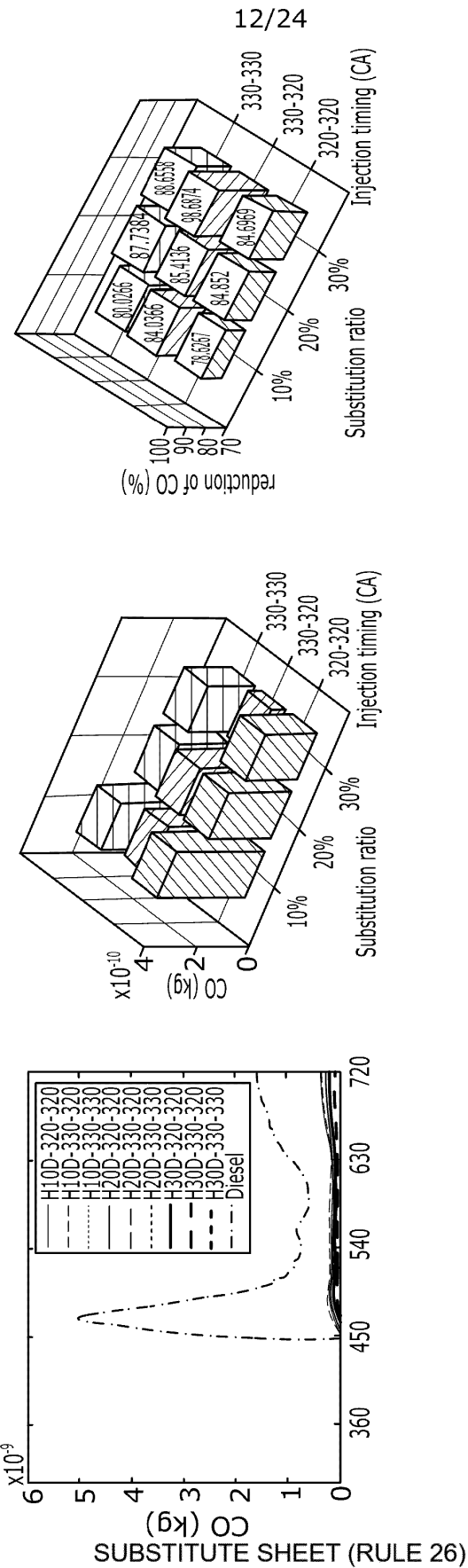


Figure 12 (cont.)

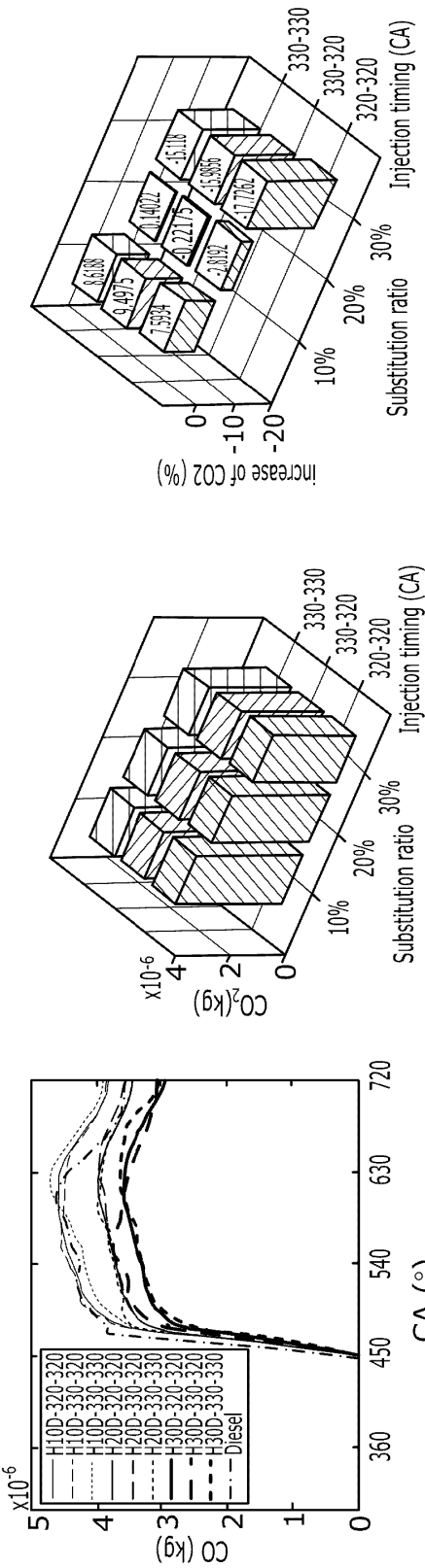


Figure 12 (cont.)

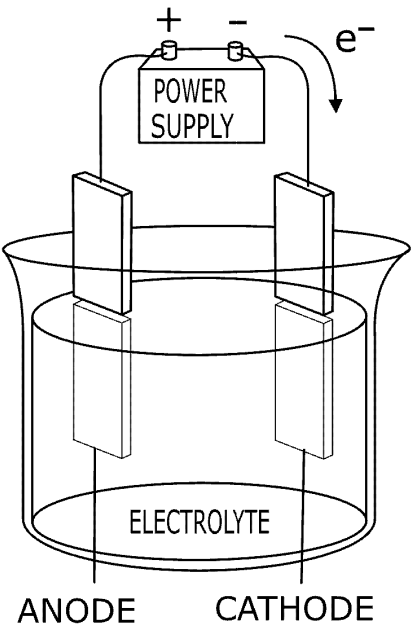


Figure 13

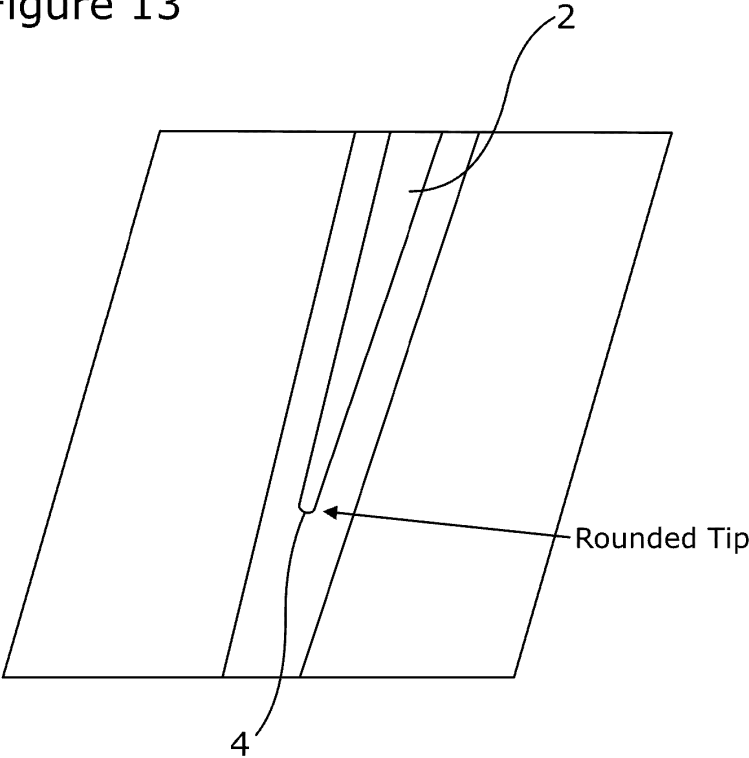


Figure 14

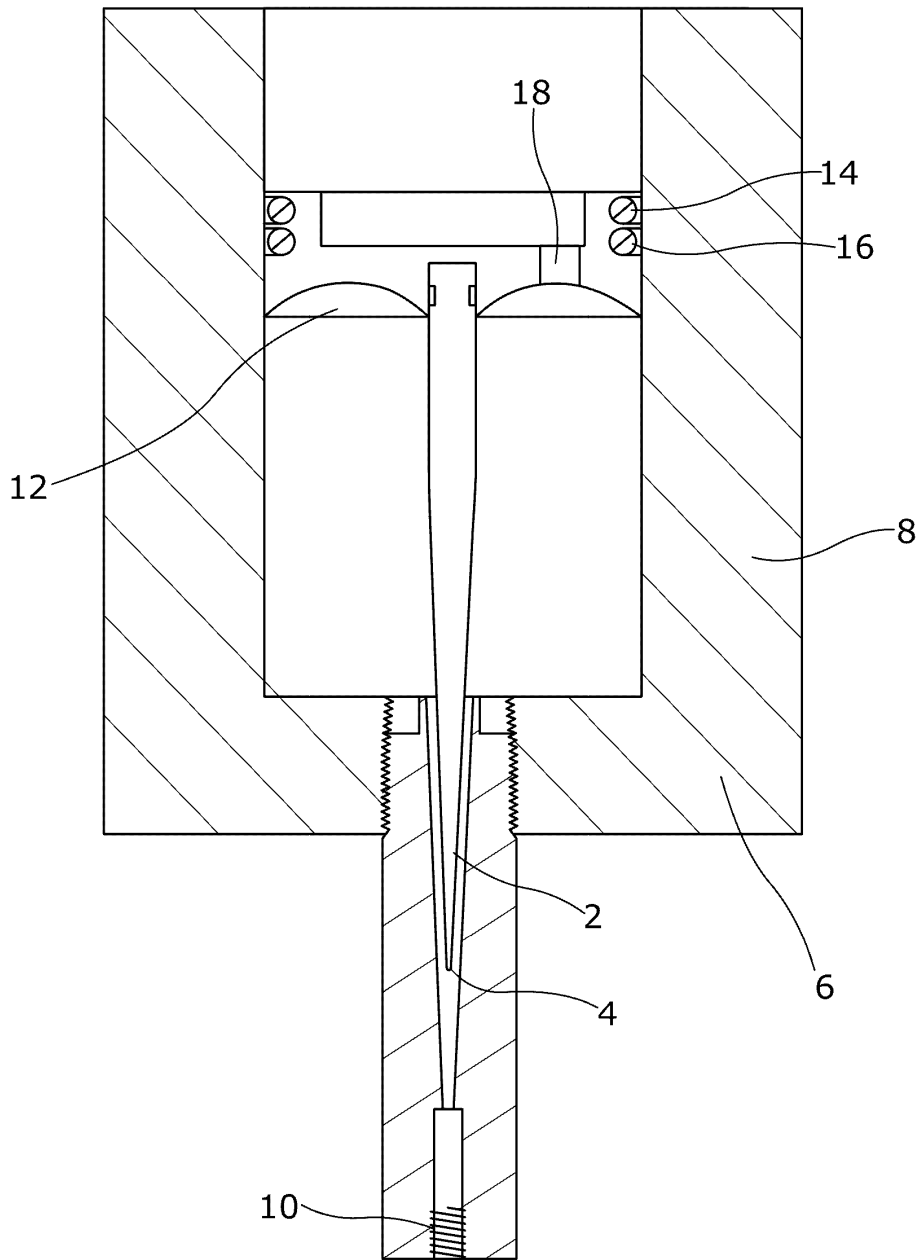


Figure 15

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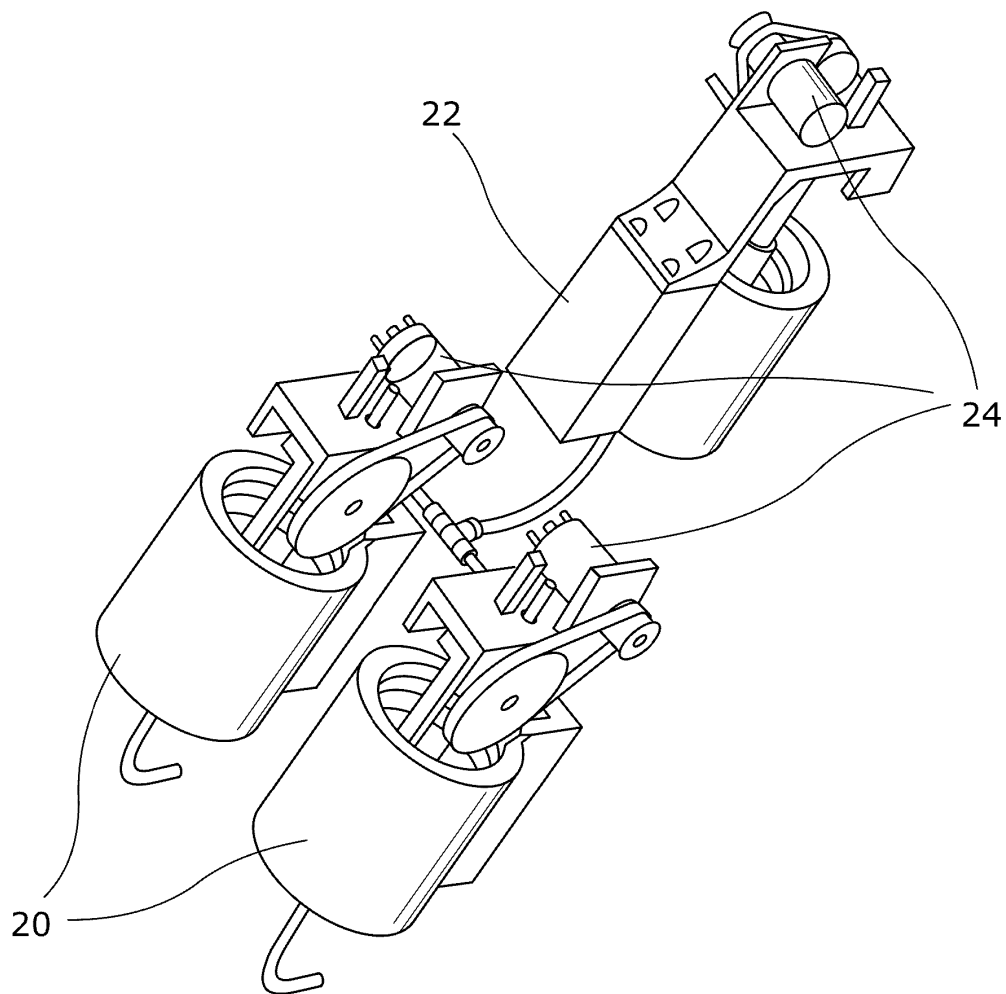


Figure 16

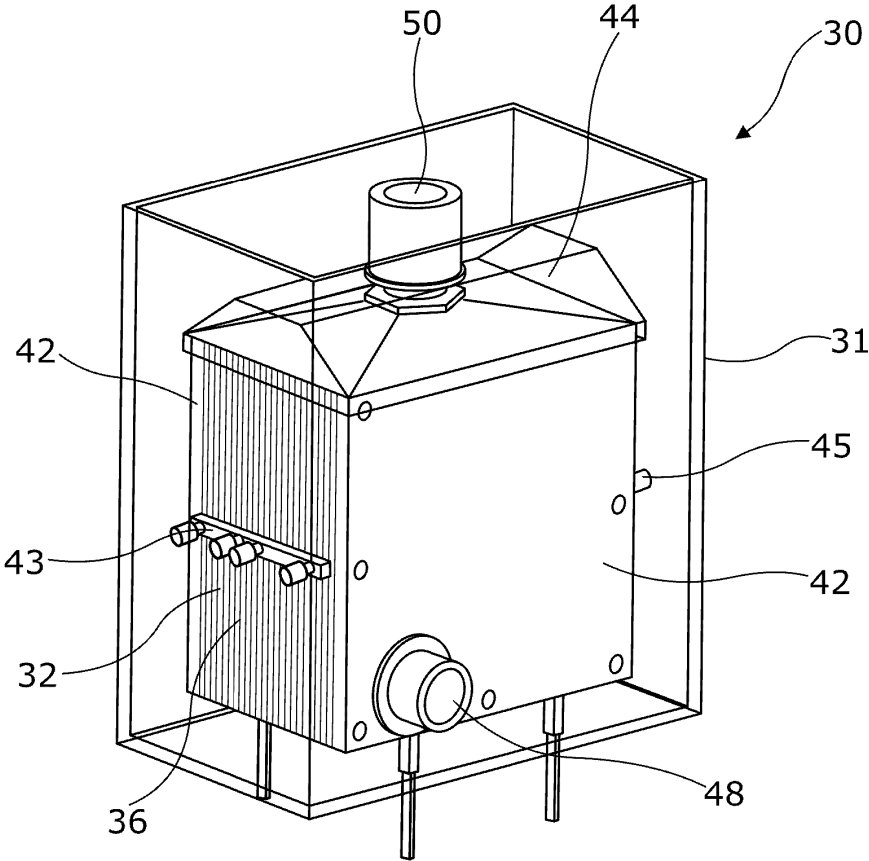


Figure 17a

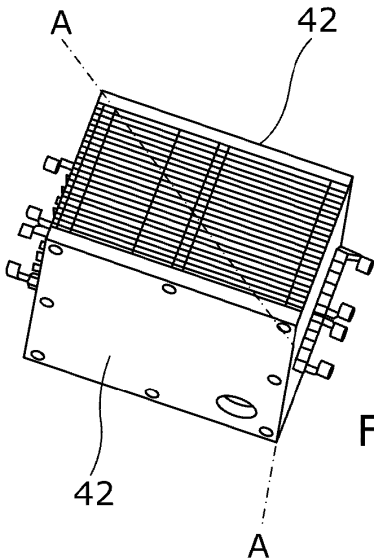


Figure 17b

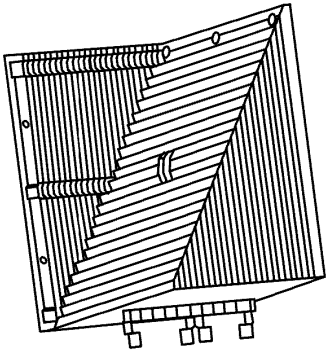


Figure 17c

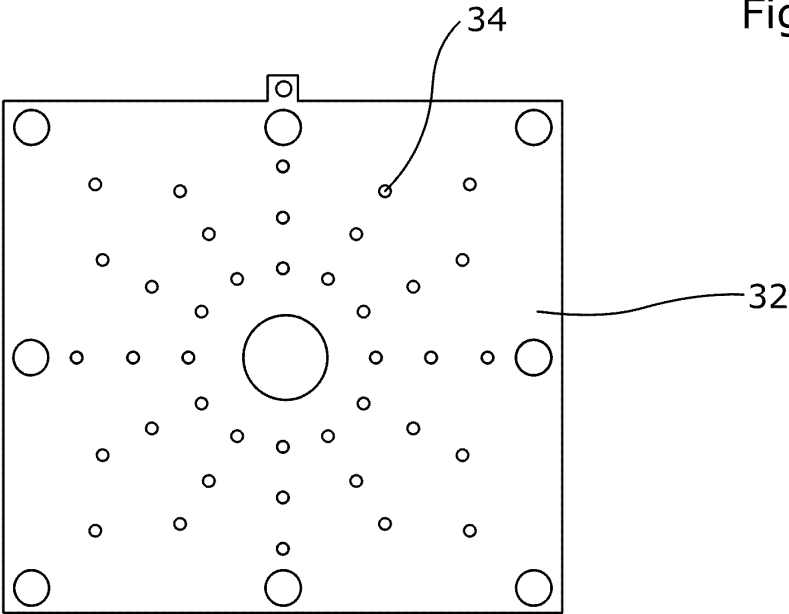


Figure 17d

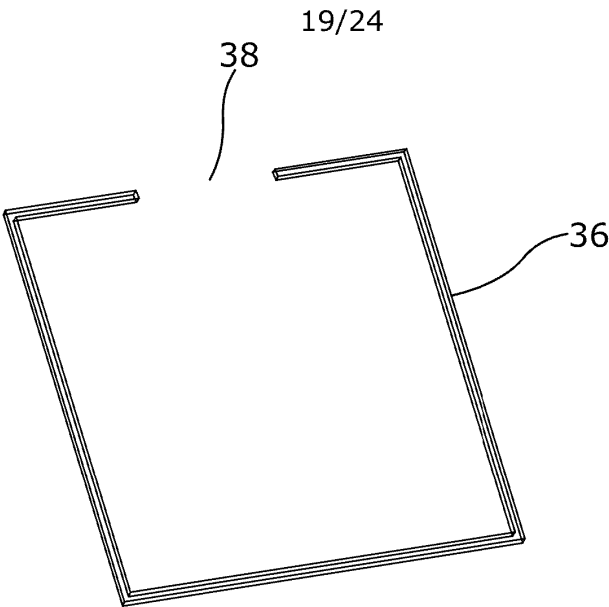


Figure 17e

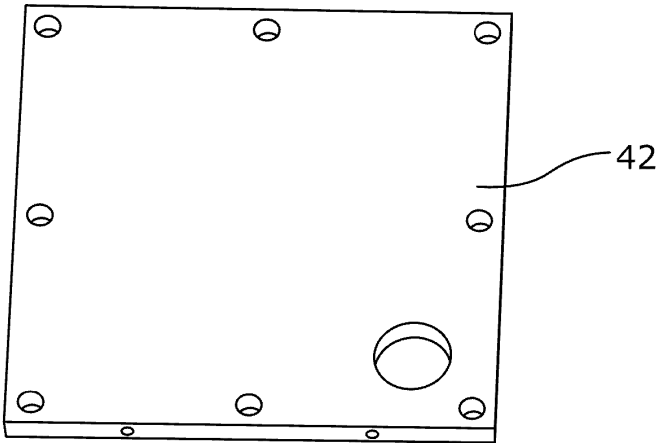


Figure 17f

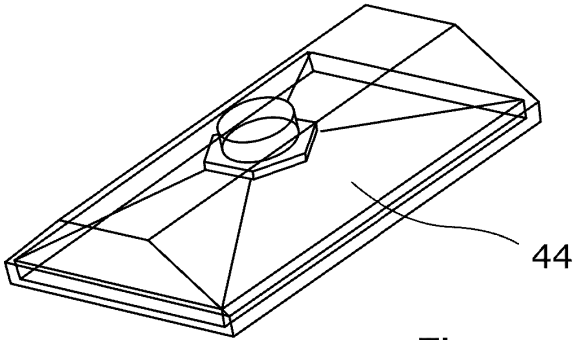


Figure 17g

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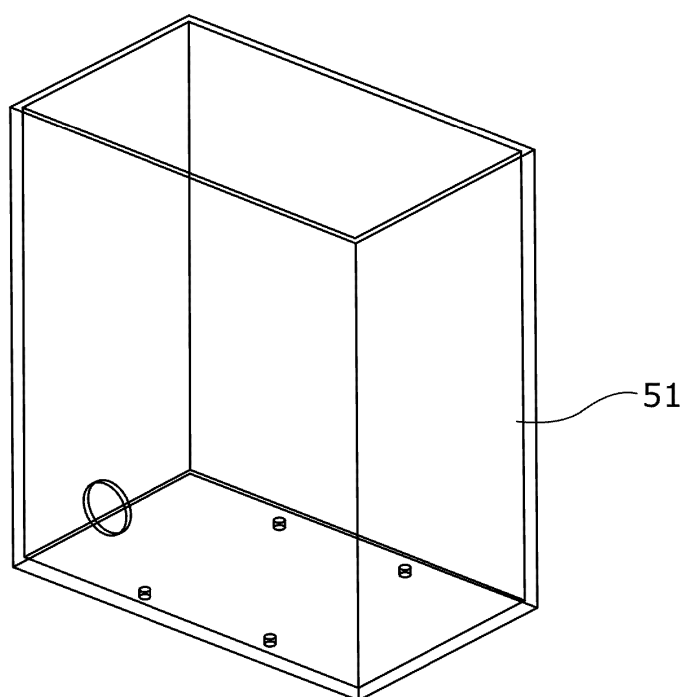


Figure 17h

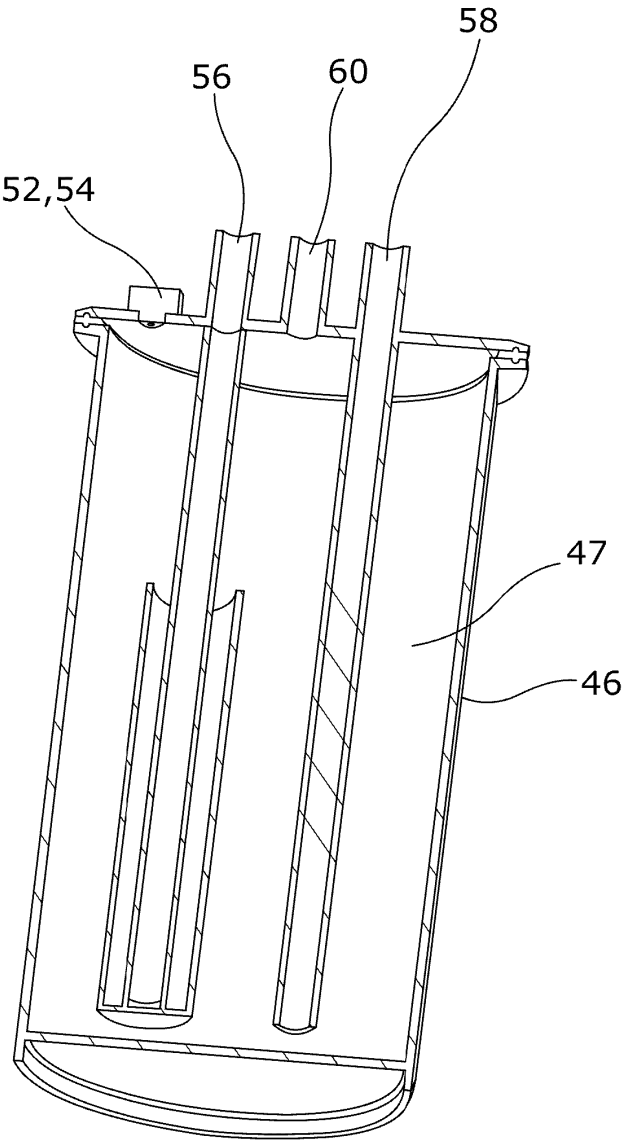


Figure 17i

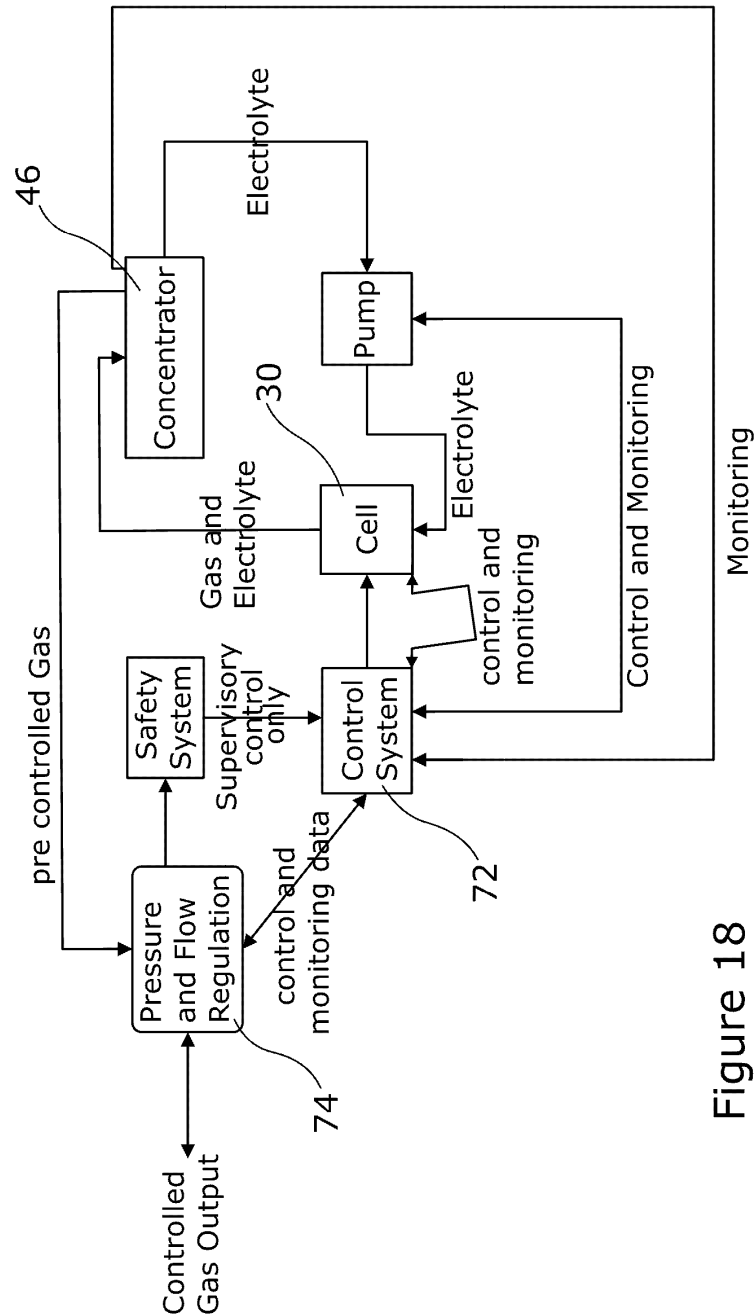


Figure 18

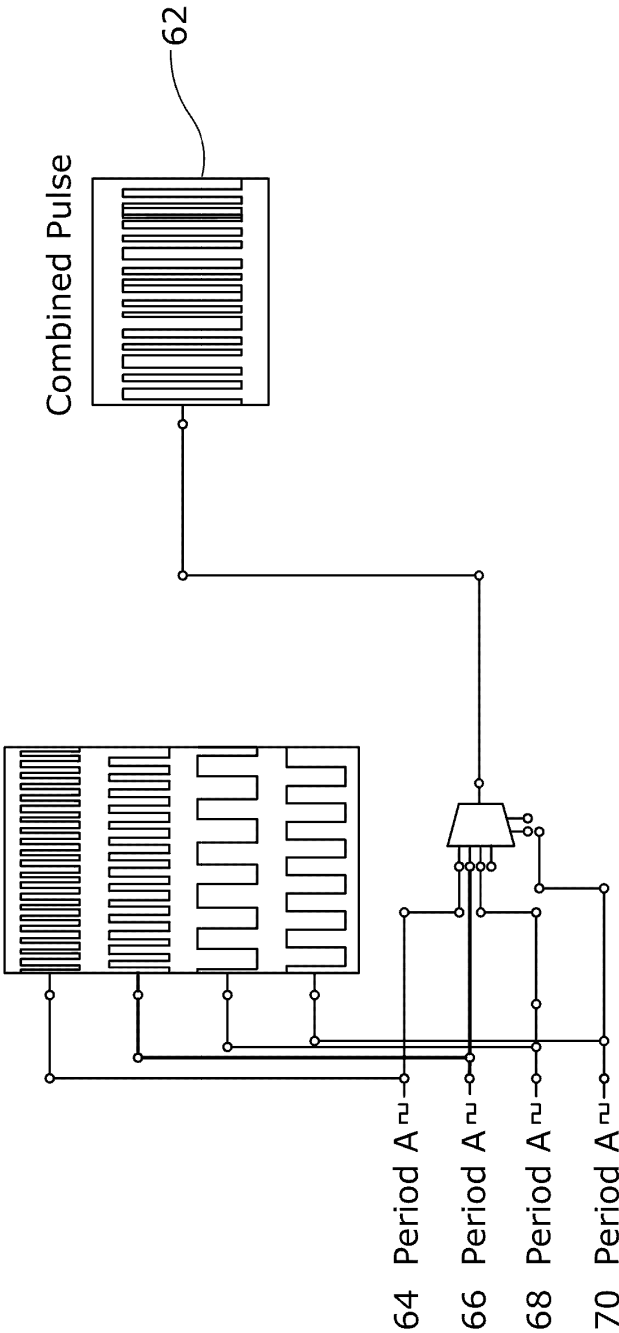


Figure 19

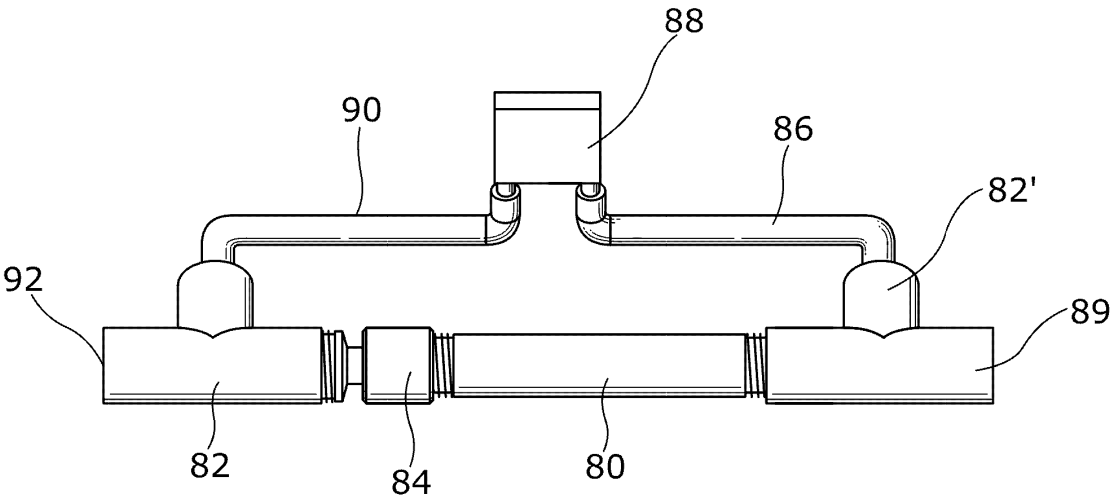


Figure 20