

FIG. 40G



Design | Develop | Deploy

Twenty-five years of disrupting the technology status quo

Professional Experience: Medical Devices

		Diagnostic	Therapeutic	Assistive
		Mechanics, fluidics	Mechanics, fluidics, micro-fluidics	Mechanics
Platform development	Applied physics	FEA, fluid flow	Fluid flow	FEA, fatigue
	Simulation			
	Patent development		8414556 , 8414555 , 8414554 , 8469940 , 8894627 , 9220661 , 10058483 , 10966905 , 9877895 , 10632044	9994072 , 10111790 , 10787034 , 11471346
	Prototyping	Experimental, PoP, functional, controls	Experimental, PoP, functional, controls	Experimental, PoP, functional
Product development	Testing	Experimental, functional, PoC	Experimental, PoC, functional	Fatigue, life, PoC, functional
	Design	Mechanical, fluids & microfluids handling, FDA	Mechanical, fluids & microfluids handling, FDA	Mechanics, fluidics, reverse engineering
	Simulation	FEA, FEM, fluid flow, CFD	FEA, fluid flow	FEA, fatigue, controls
	Analysis	Static, kinematic, dynamic, stress, fluidic, benchmark	Static, kinematic, dynamic, stress, fluidic	Thermofluidic, gas analysis, static, dynamic
	Prototyping	Component, assembly, MVP, functional product, 510(k)	Component, assembly, functional product, MVP, 510(k)	Component, assembly, functional product, MVP
	Testing	PoC, validation, functionality	PoC, validation, functionality, HALT	PoC, validation, functionality, HALT, HASS
	DFM	DFMEA, cost reduction, parts reduction	DFMEA, cost reduction, parts reduction, materials	DFMEA, GDT, cost reduction, parts reduction, materials
Process development	DFA	Parts integration, automation	Parts integration, automation	
	Modeling		Time studies, materials flow, assembly, quality, motion, controls	
	Prototyping		Parts manipulation, gripping	
	Testing		Assembly, materials, HALT, HASS	
	Automation		Reconstitution, compounding, dose preparation	
	Materials handling		Component and drug manipulation	
	Robotics		5 axis processing, machine learning, vision	

DFM: Design For Manufacture, **DFA:** Design For Assembly, **FEA:** Finite Element Analysis, **PoP:** Proof of Principle, **PoC:** Proof of Concept, **FDA:** Food and Drug Administration, **FEM:** Finite Element Magnetic, **CFD:** Computational Fluid Dynamics, **MVP:** Minimum Viable Product, **DFMEA:** Design Failure Mode Effects Analysis, **HALT:** Highly Accelerated Life Test, **HASS:** Highly Accelerated Stress Screening, **GDT:** Geometric Dimensioning and Tolerance

* Patent numbers and images are hyperlinks

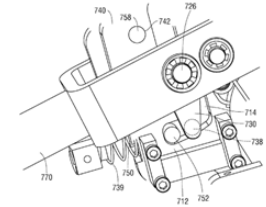


FIG. 10

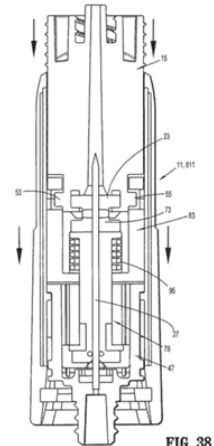


FIG. 38

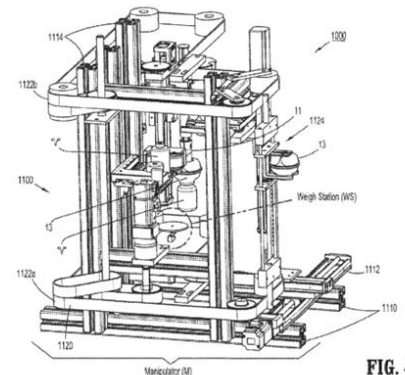


FIG. 40C