

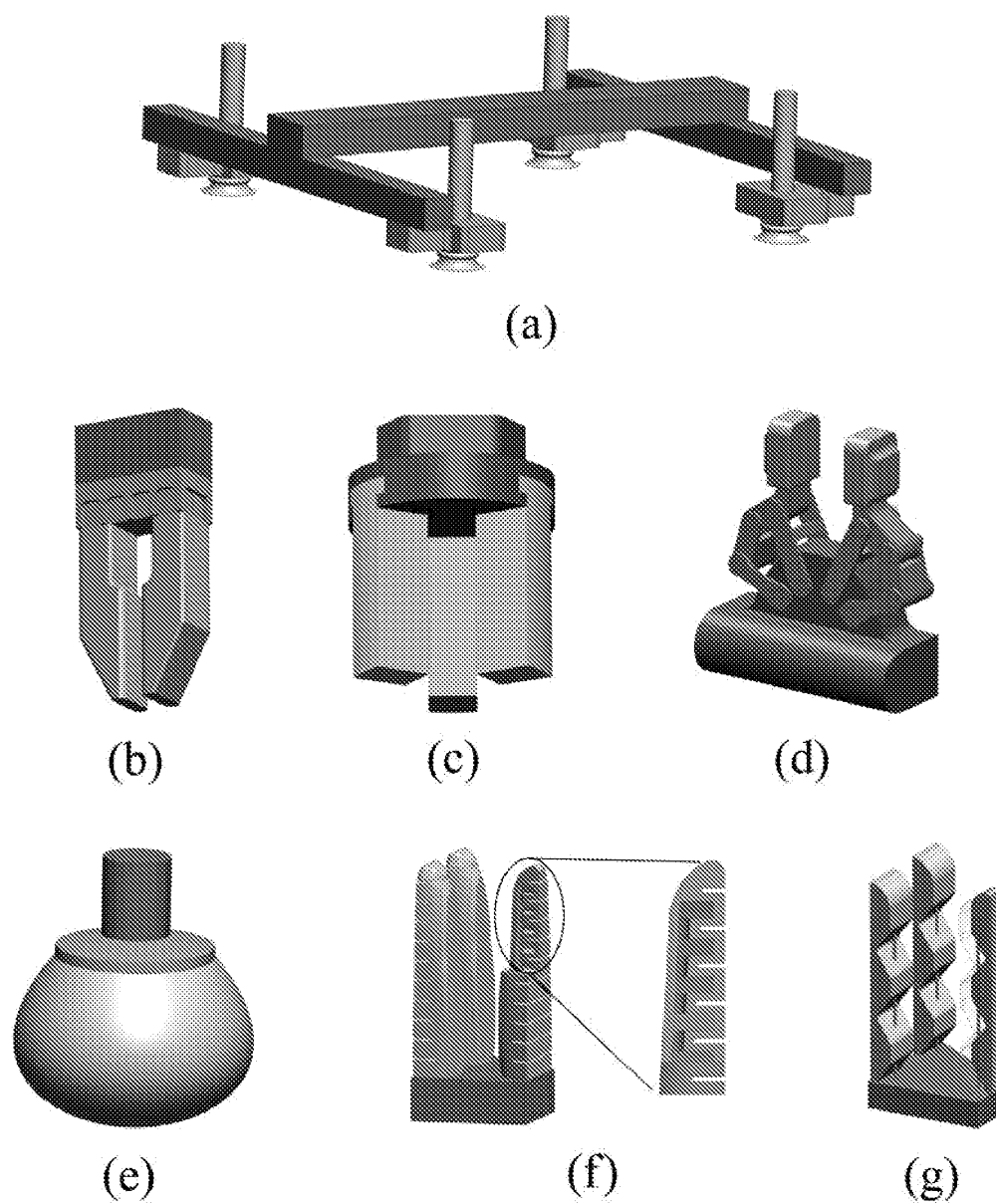


FIG. 1

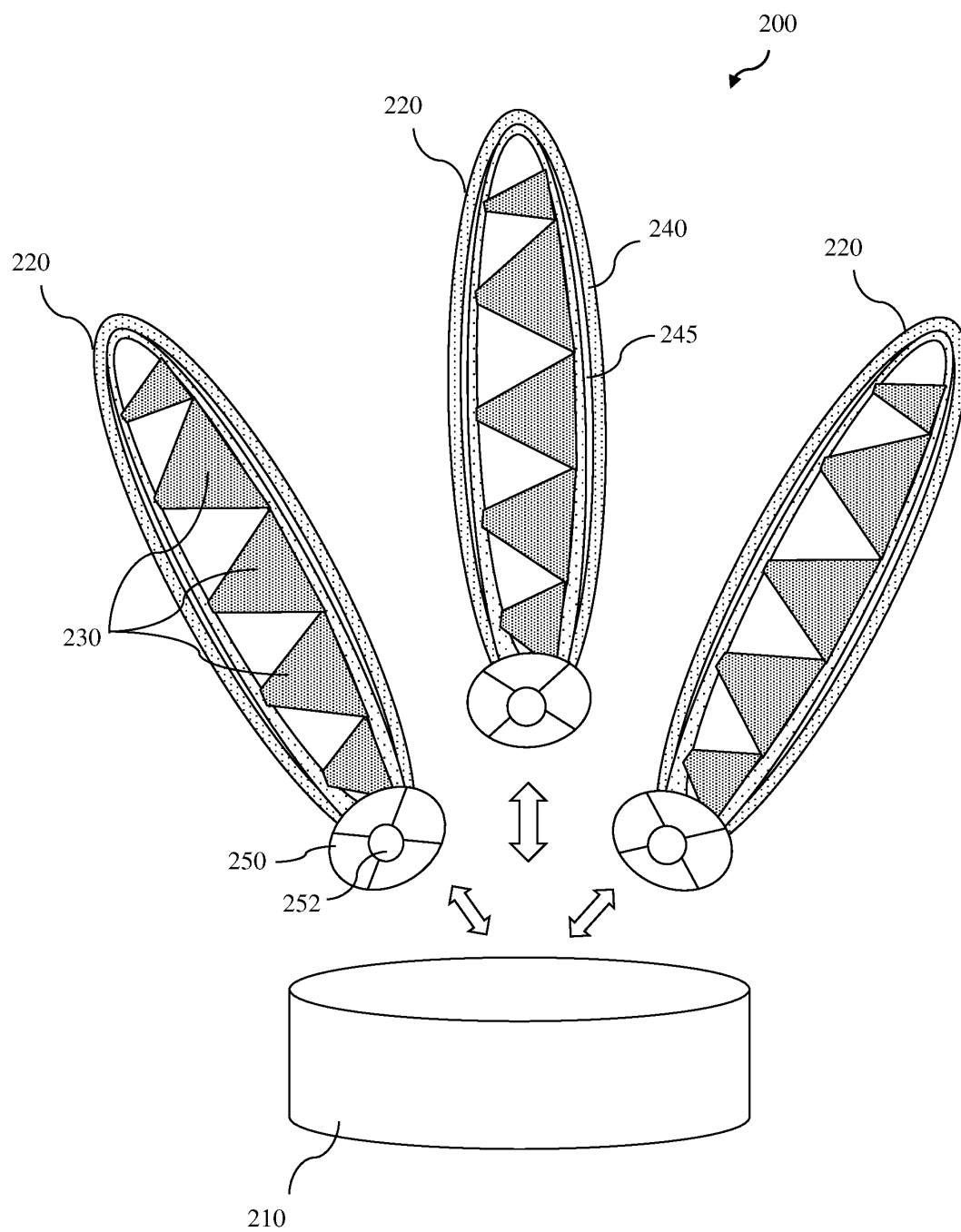
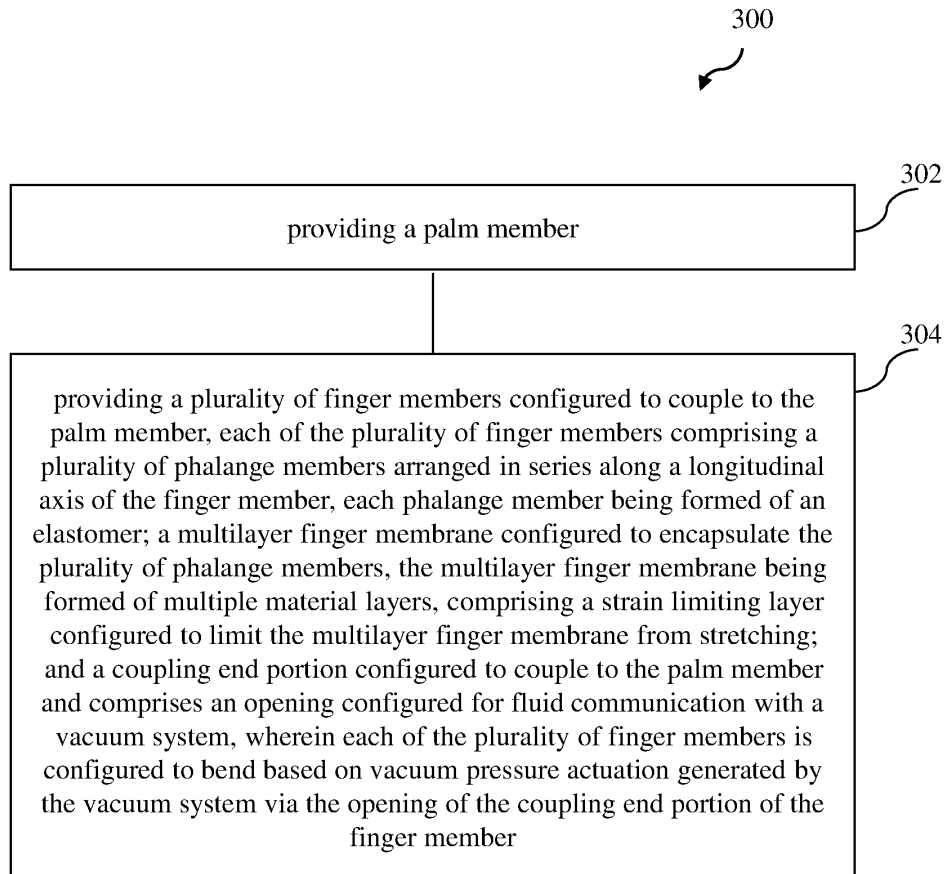
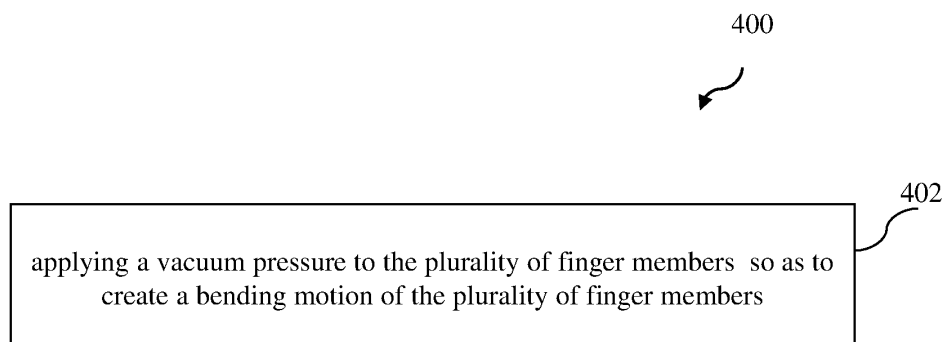


FIG. 2

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**FIG. 3****FIG. 4**

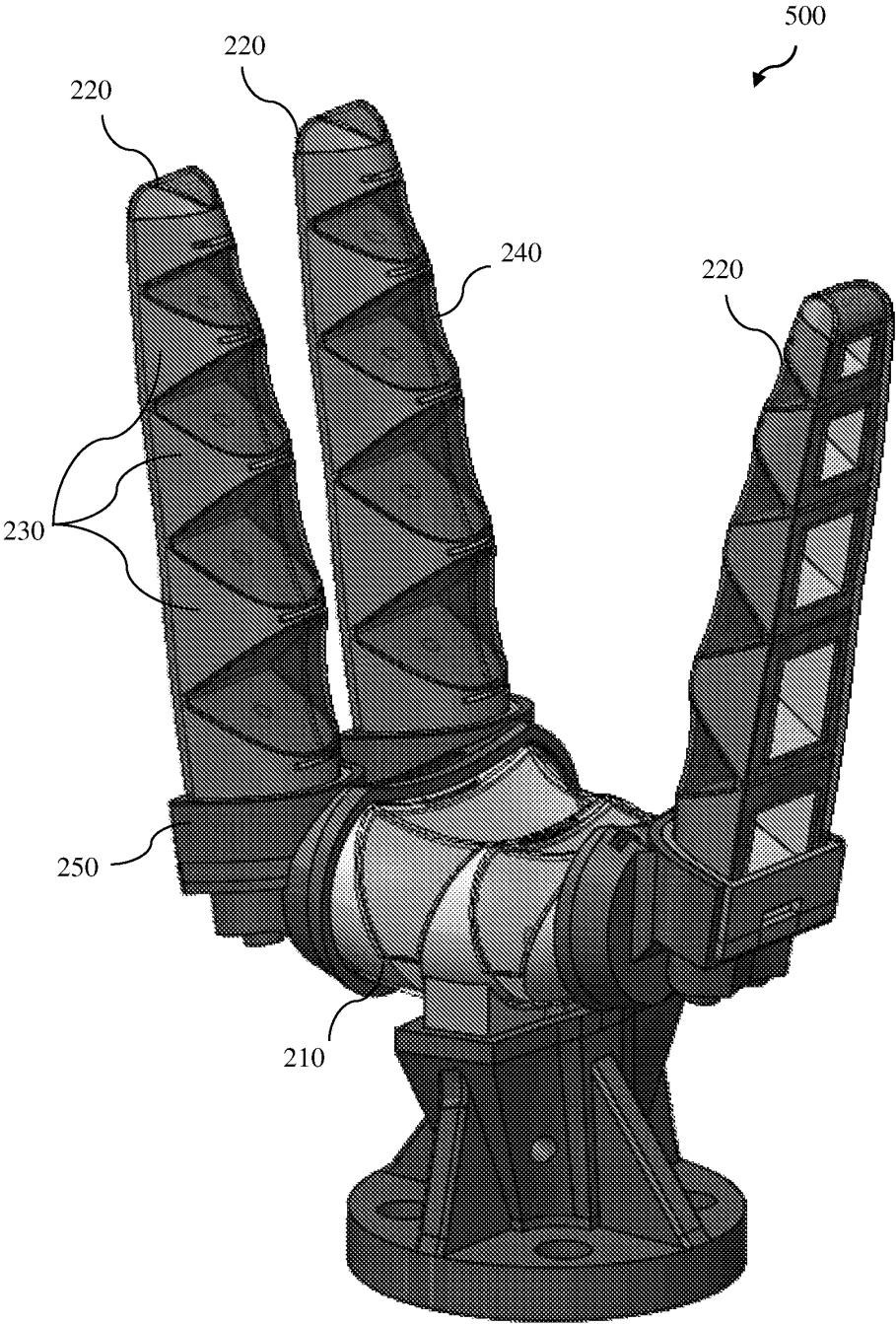


FIG. 5A

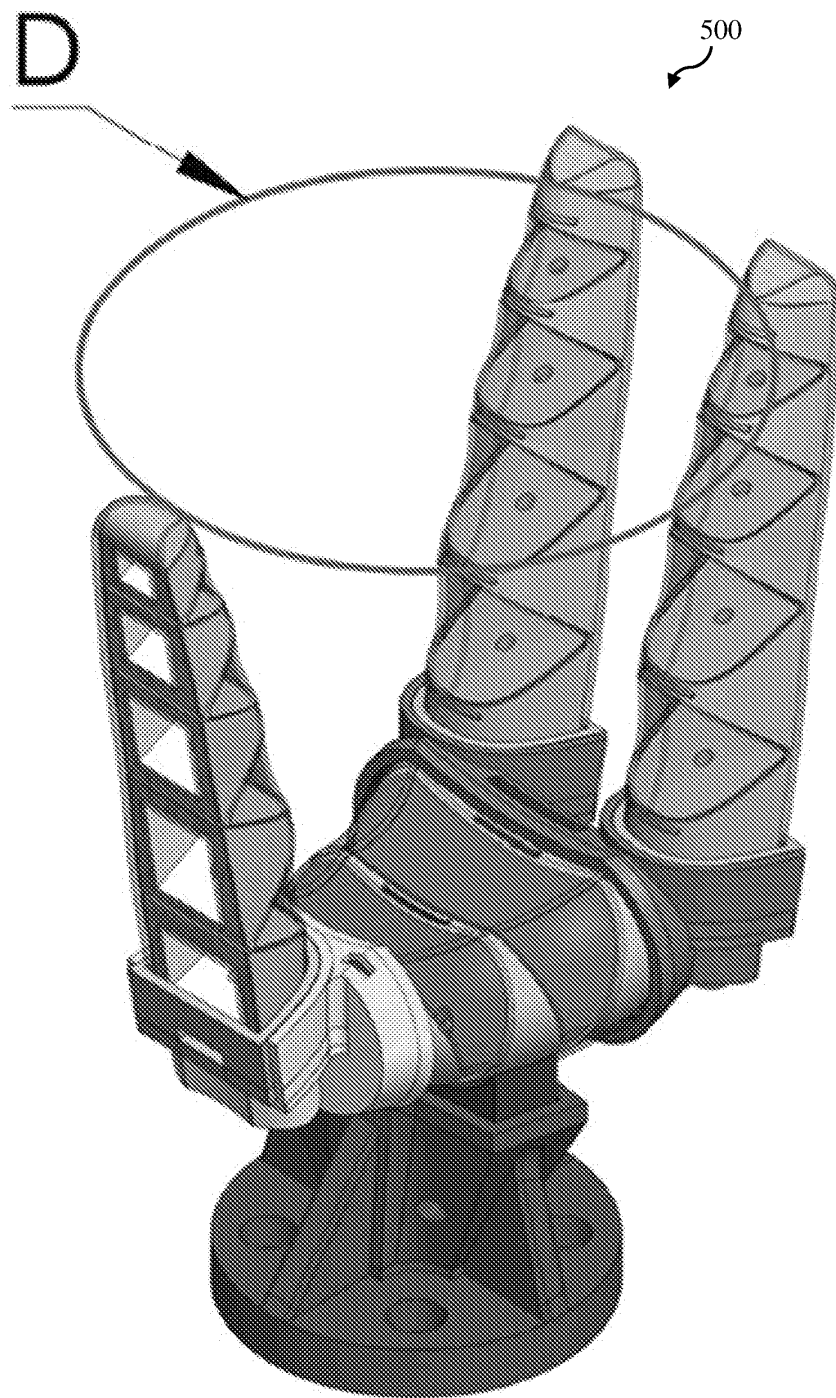


FIG. 5B

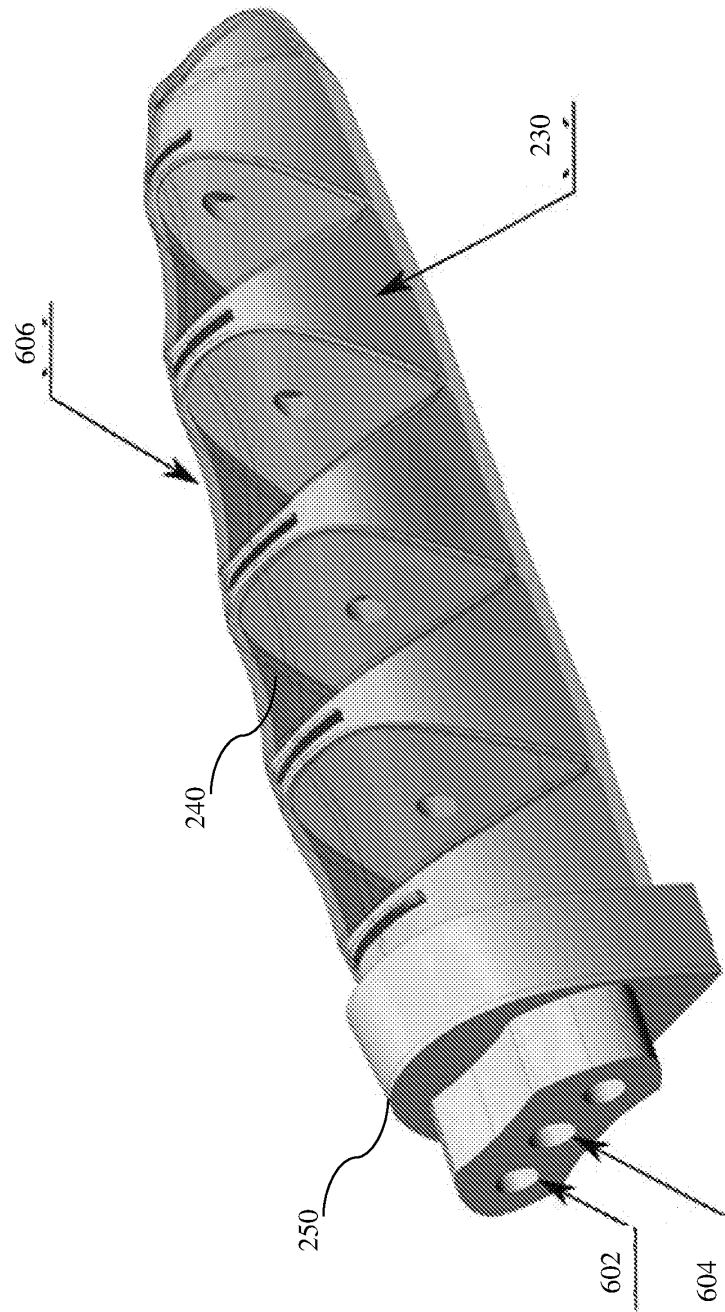


FIG. 6A

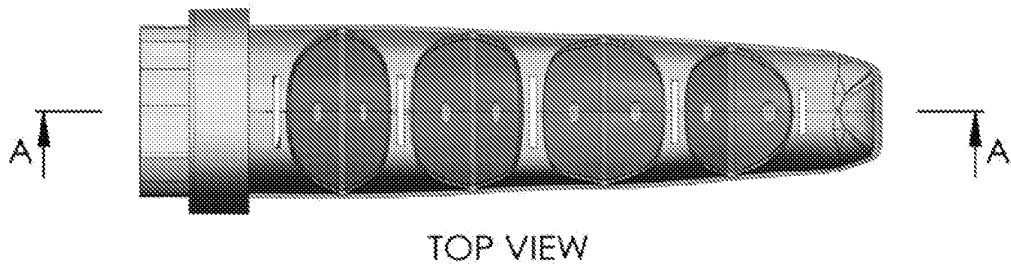


FIG. 6B

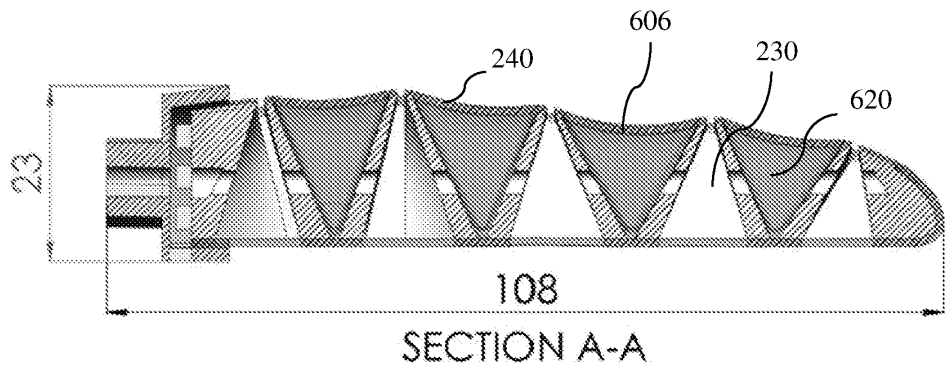


FIG. 6C

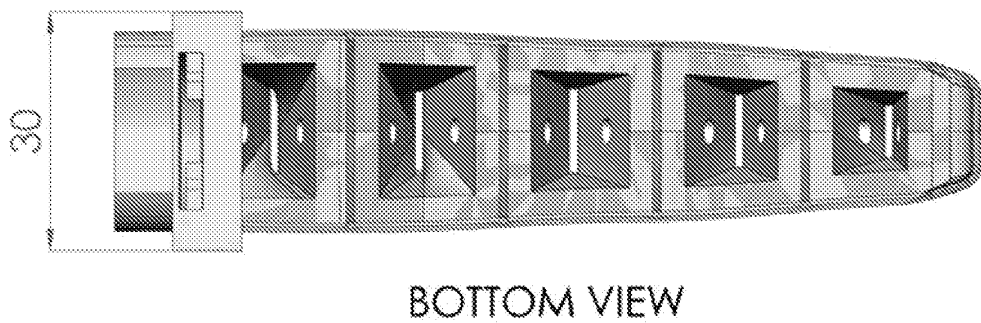


FIG. 6D

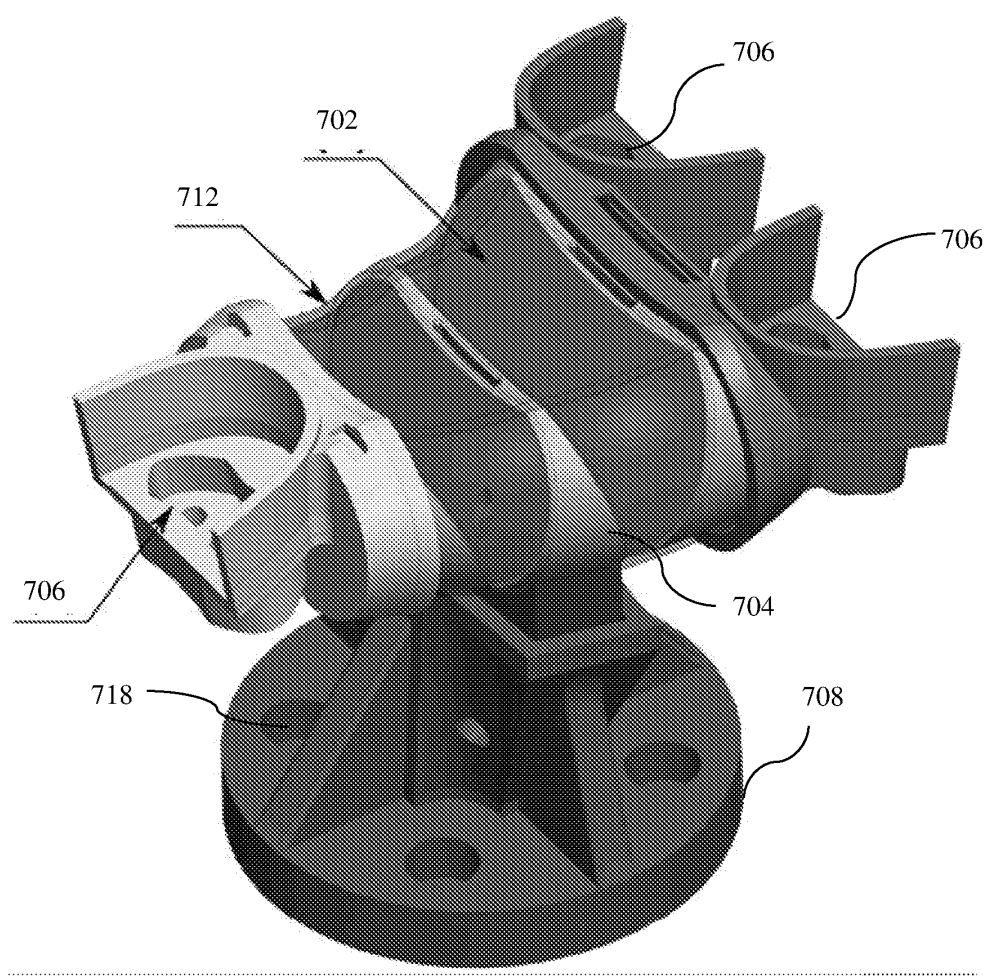


FIG. 7A

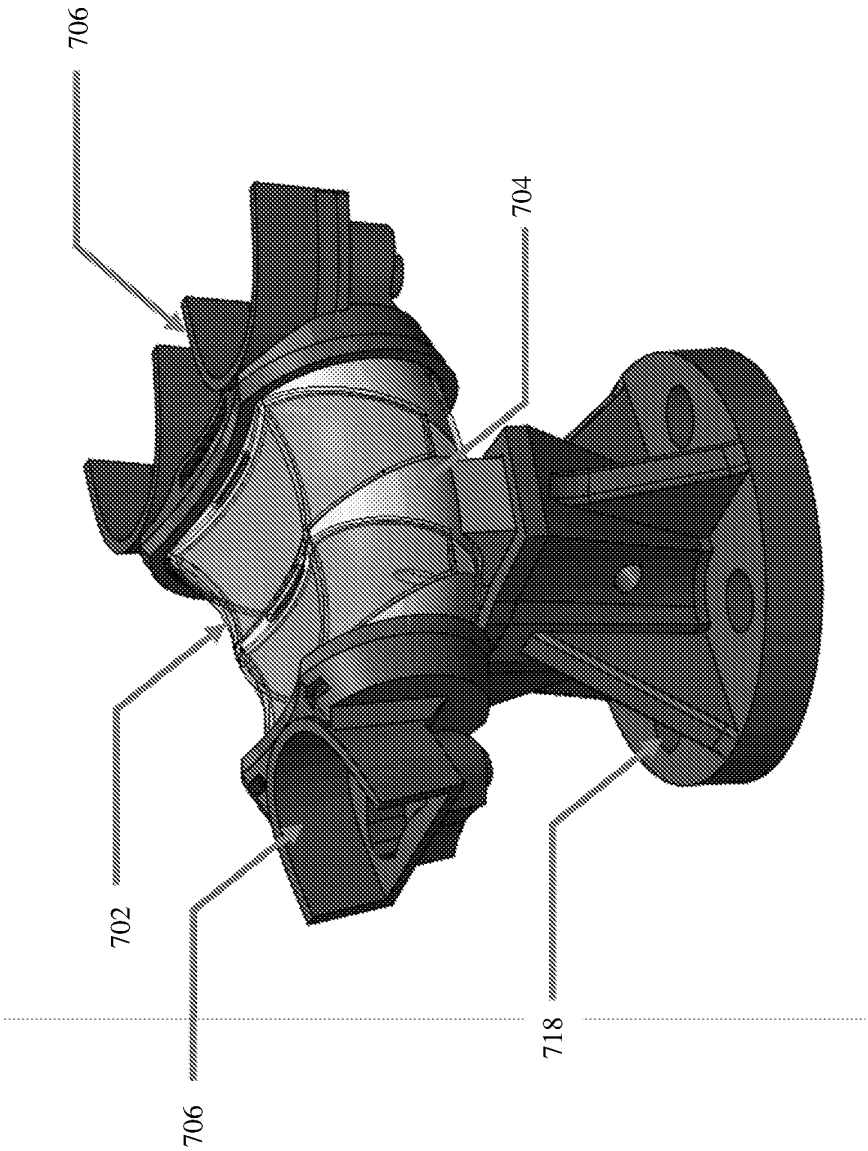


FIG. 7B

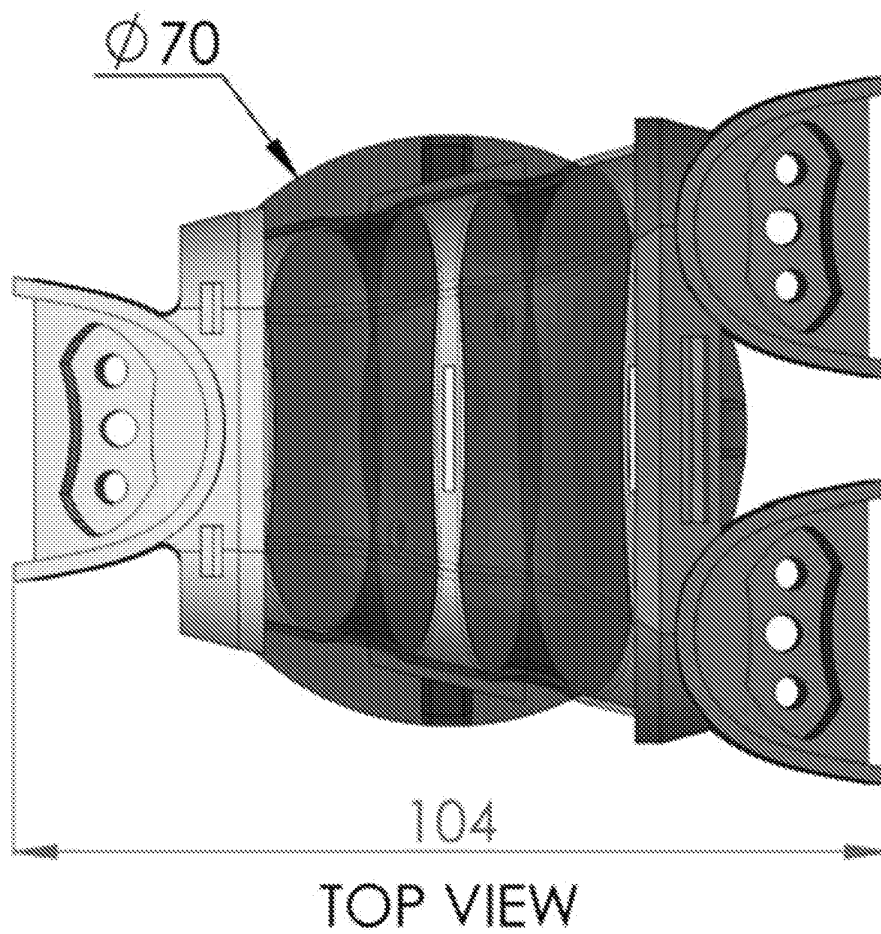
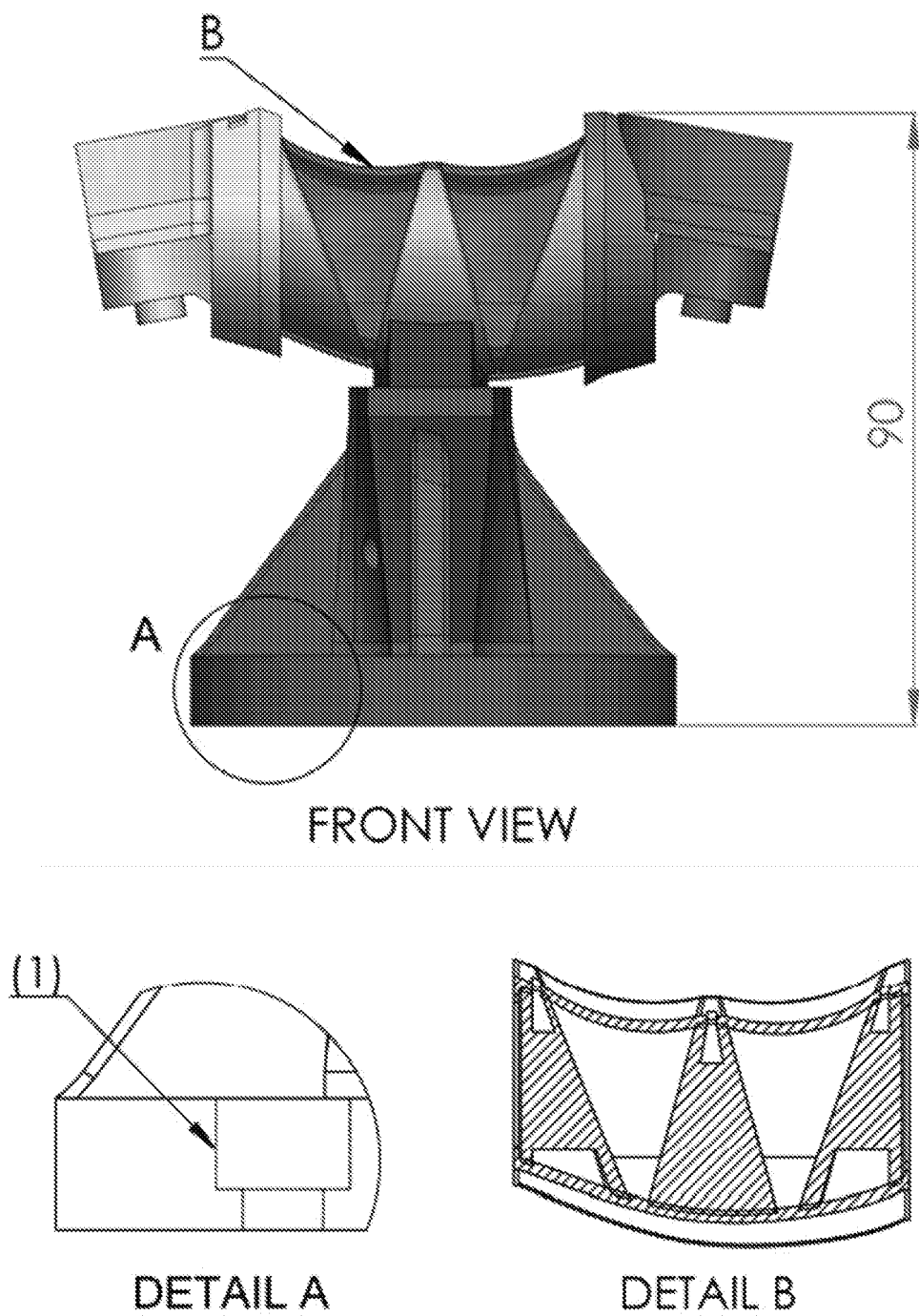


FIG. 7C



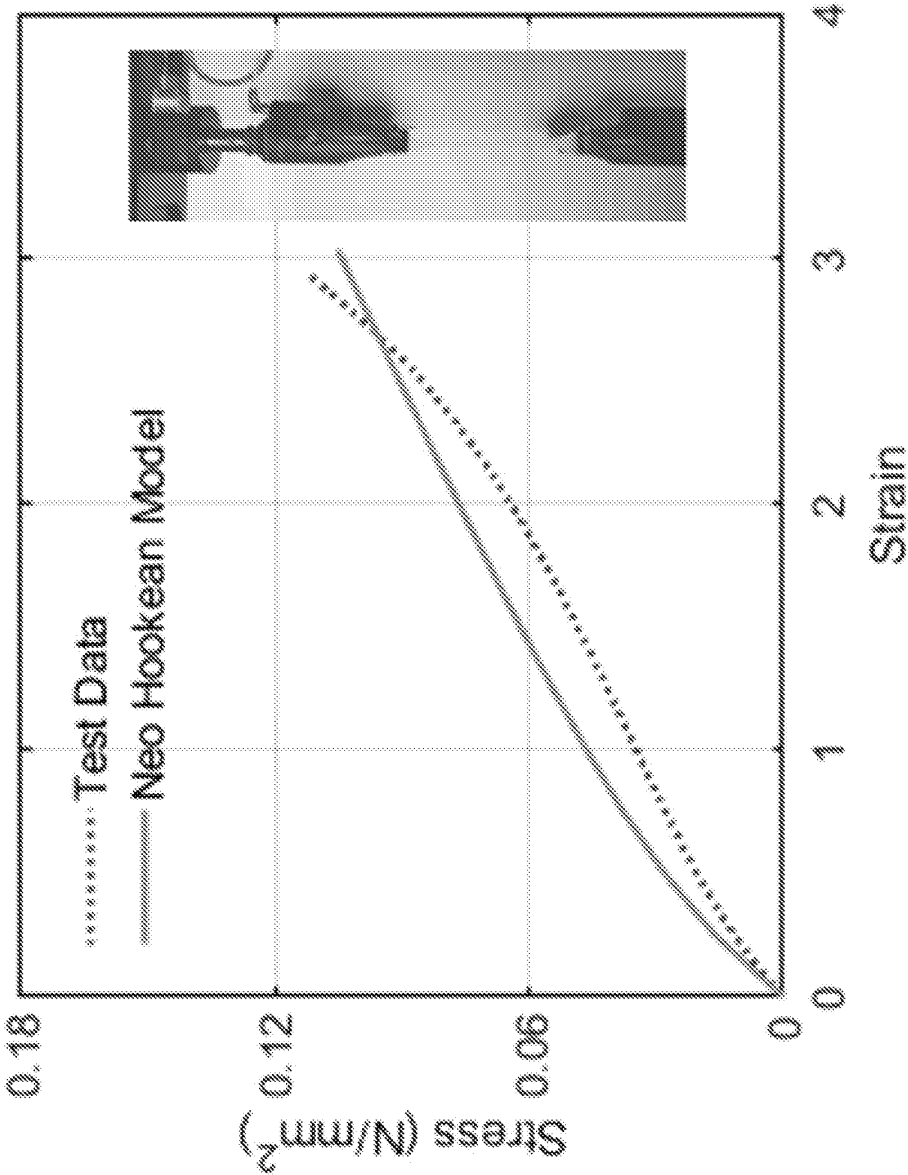


FIG. 8

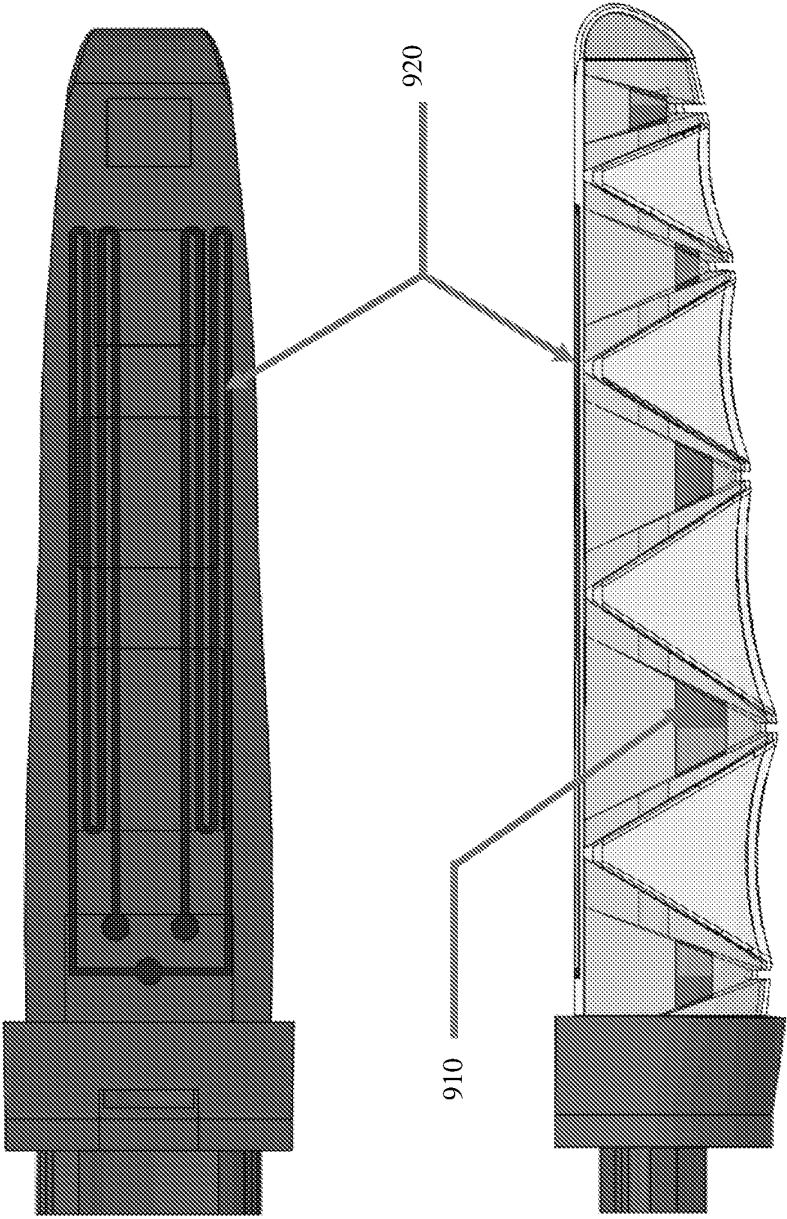


FIG. 9

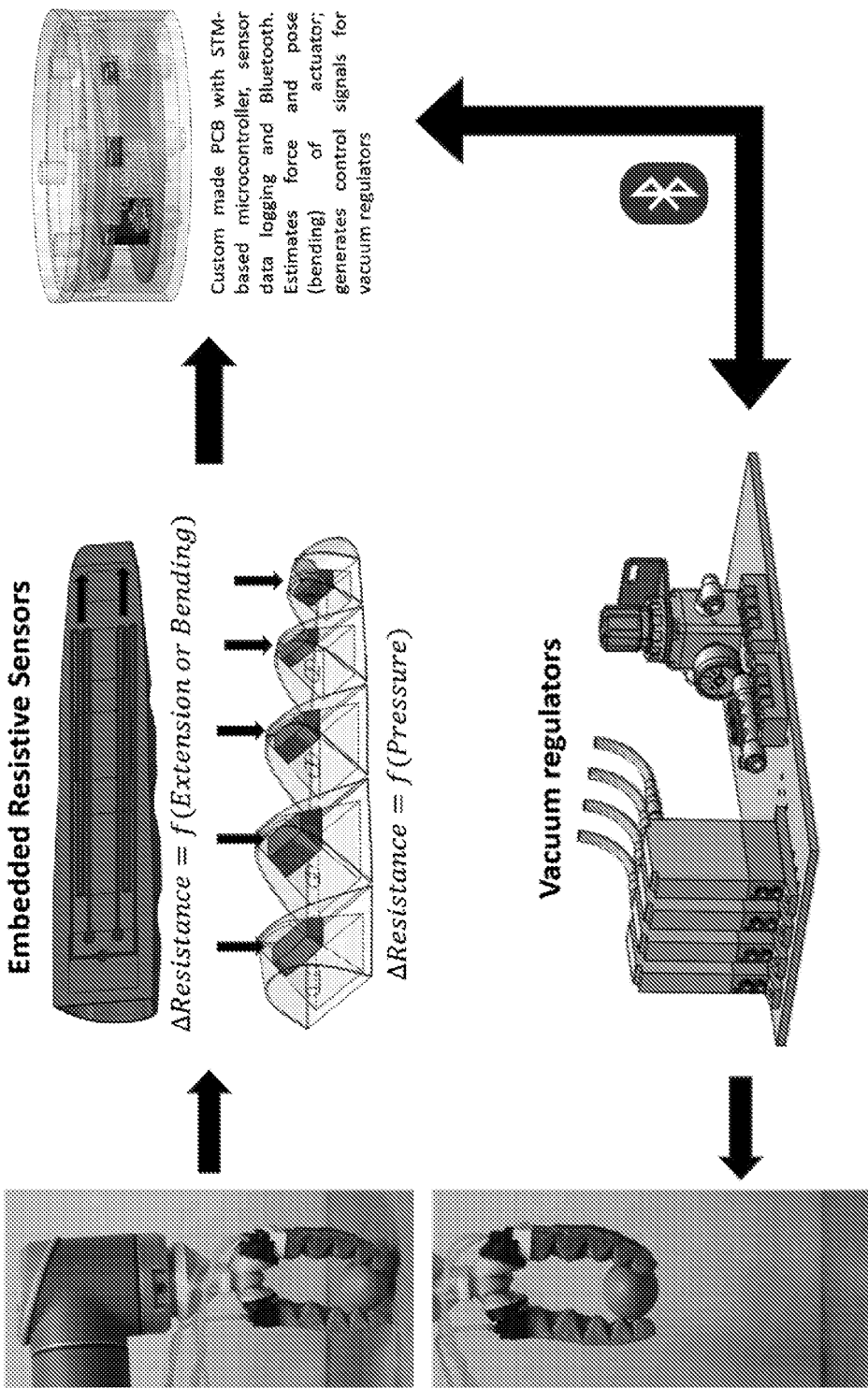


FIG. 10

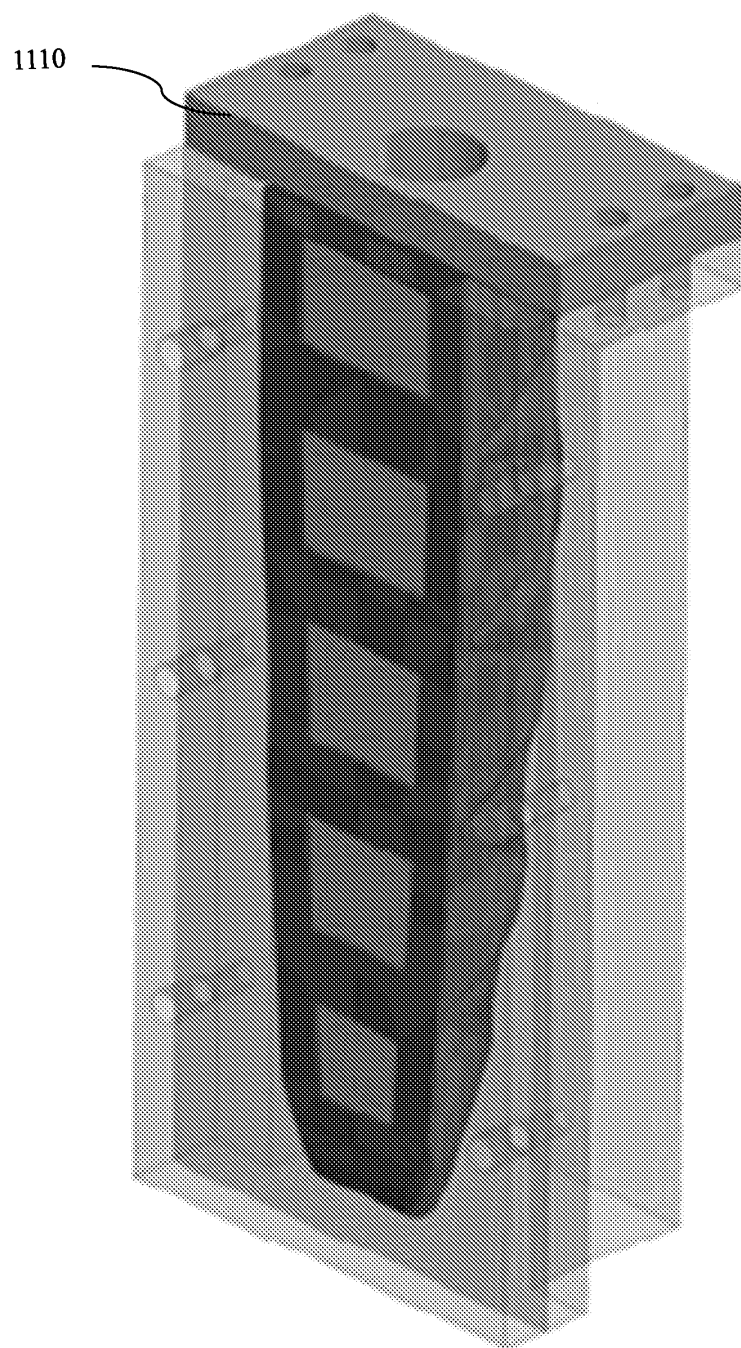


FIG. 11A

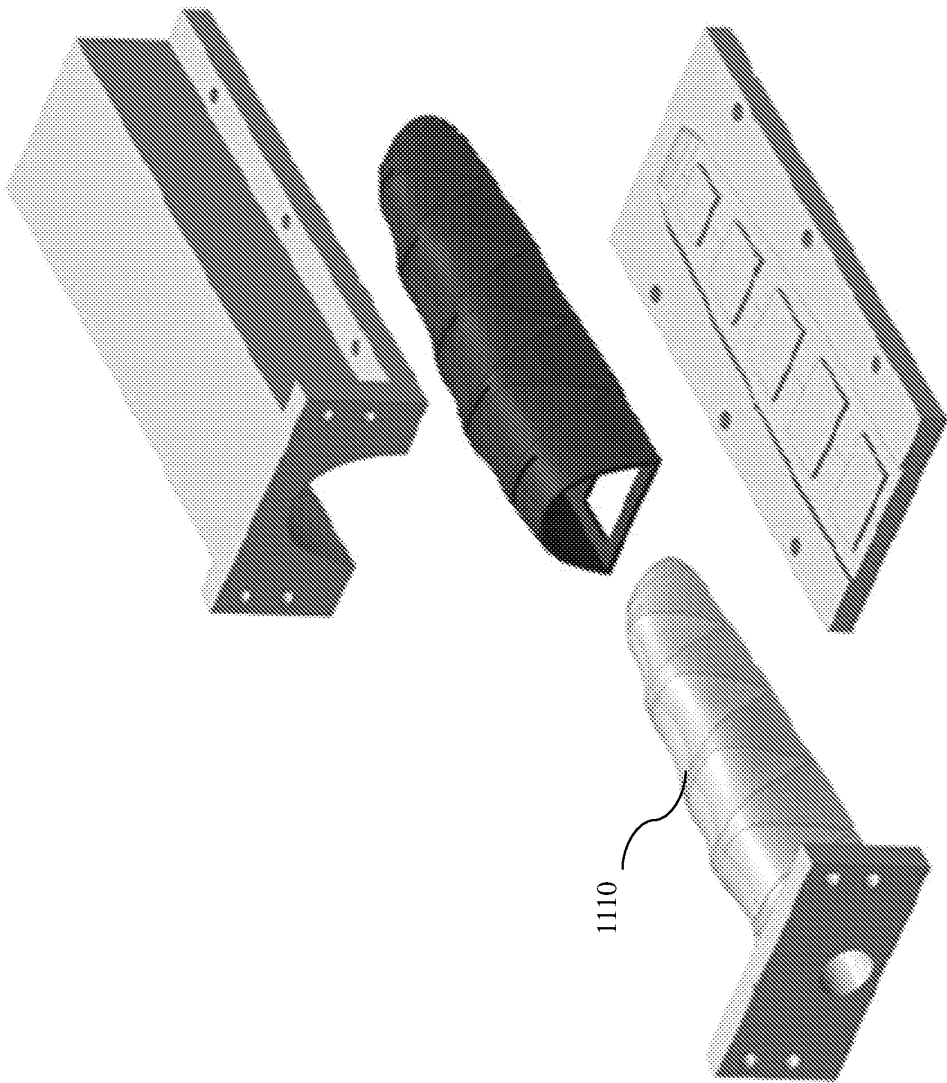


FIG. 11B

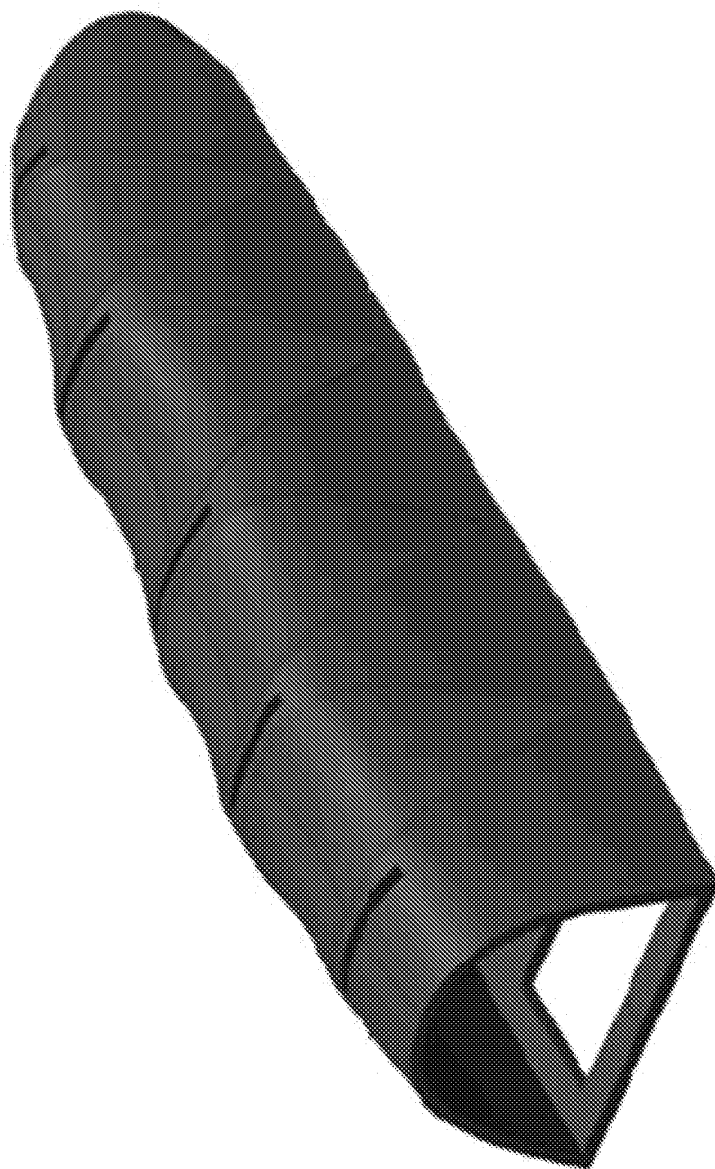


FIG. 11C

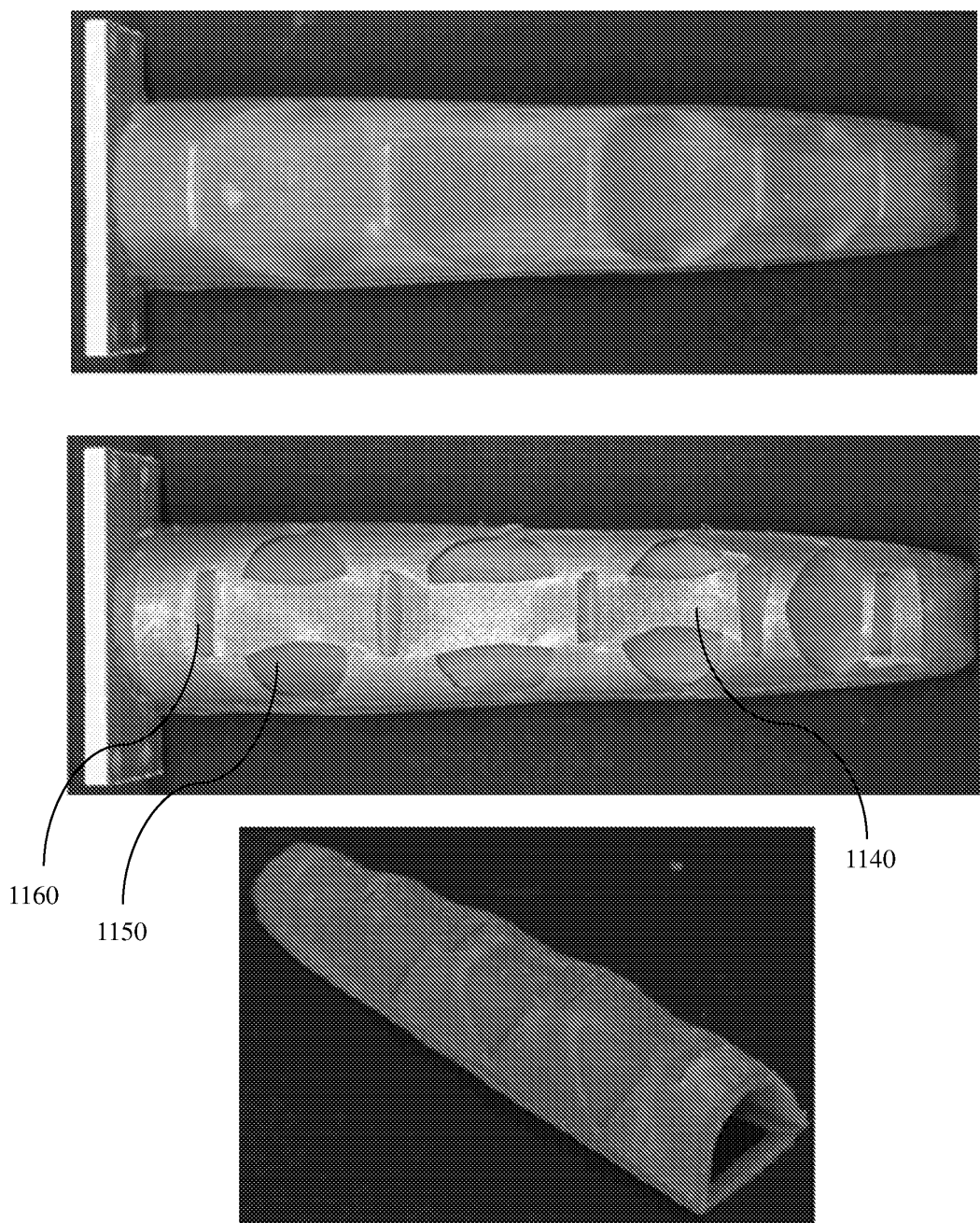


FIG. 11D

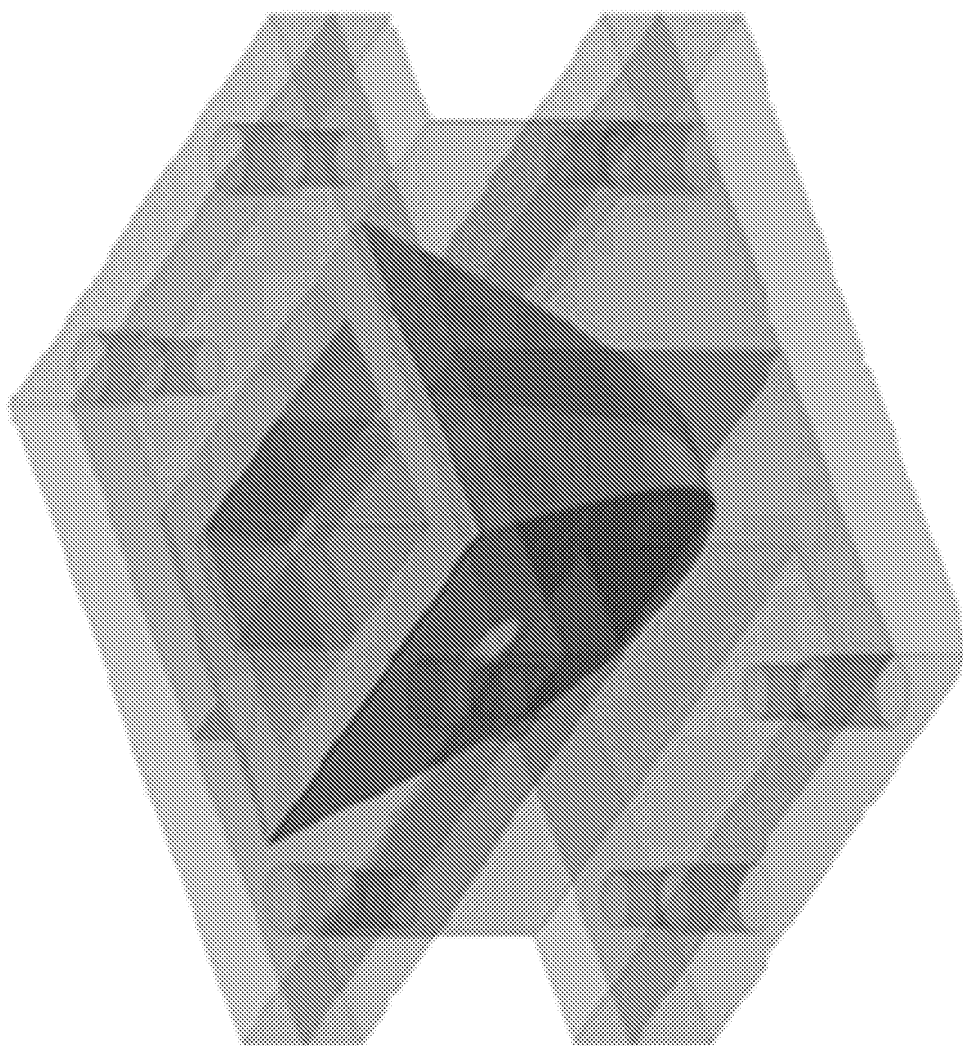


FIG. 12A

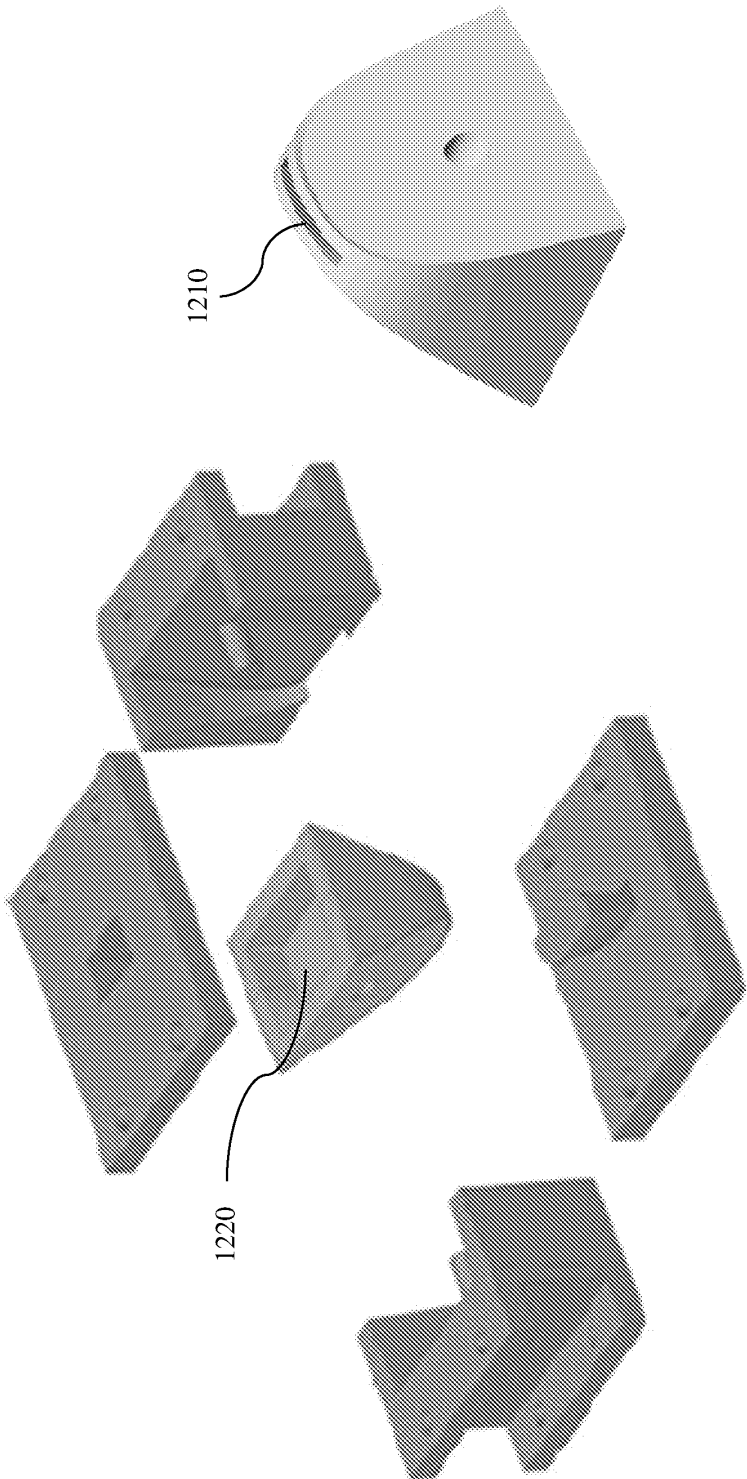


FIG. 12C

FIG. 12B

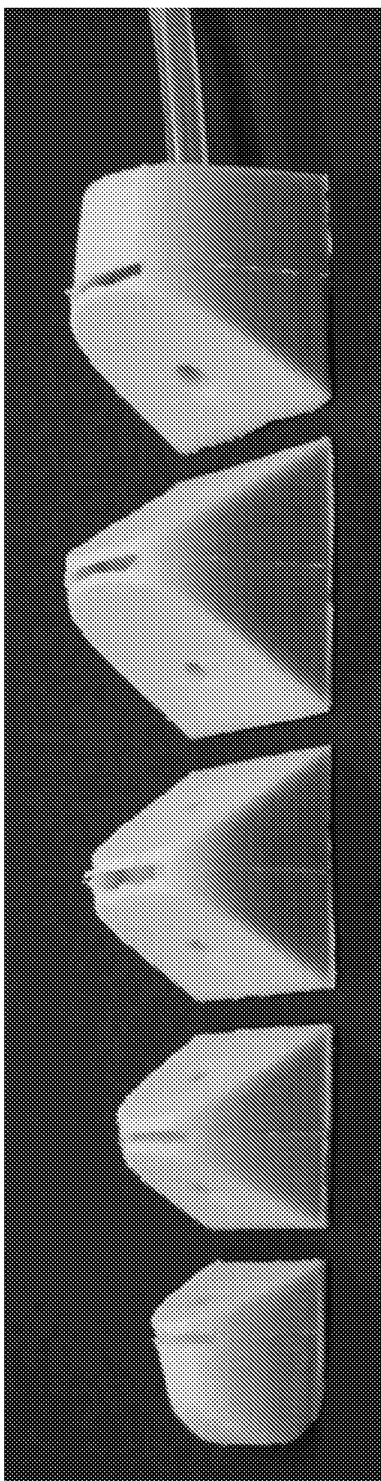


FIG. 12D

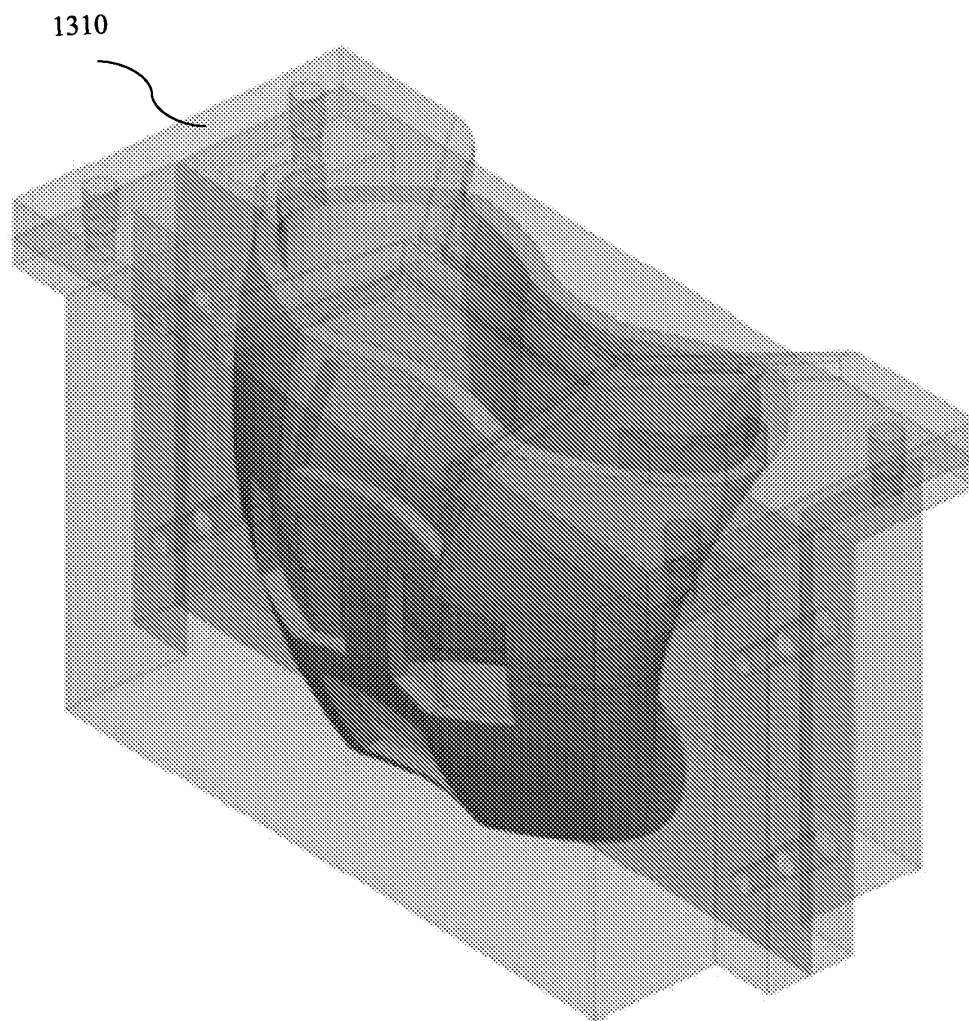


FIG. 13A

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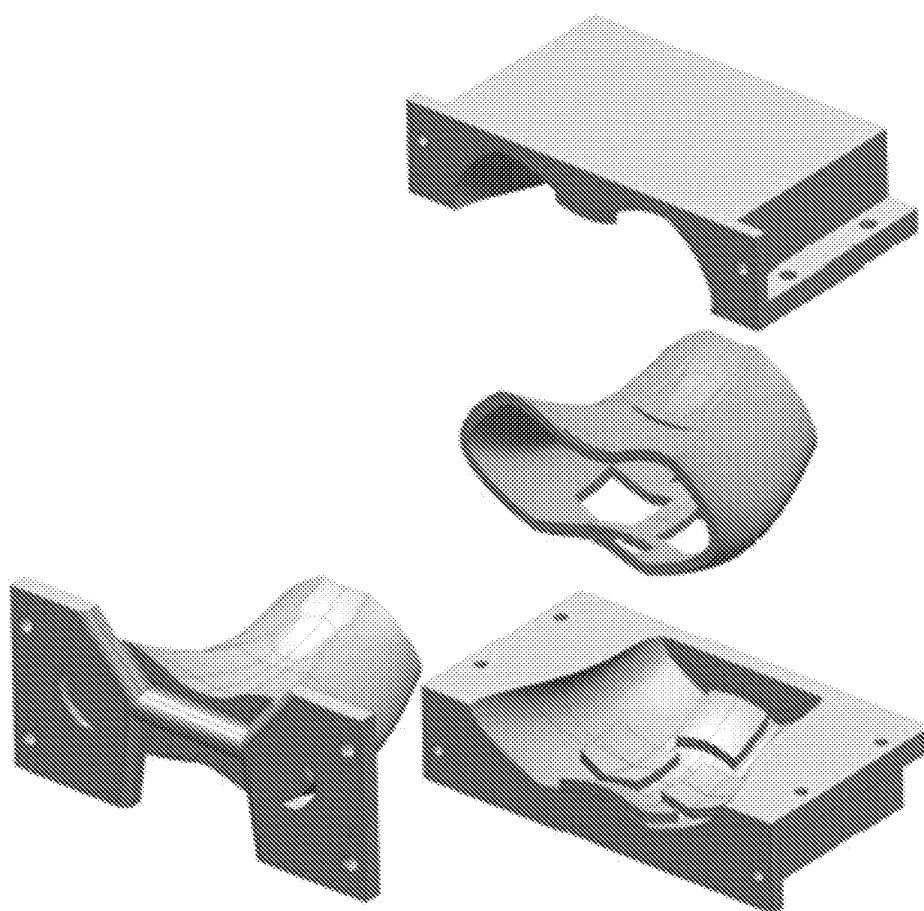


FIG. 13B

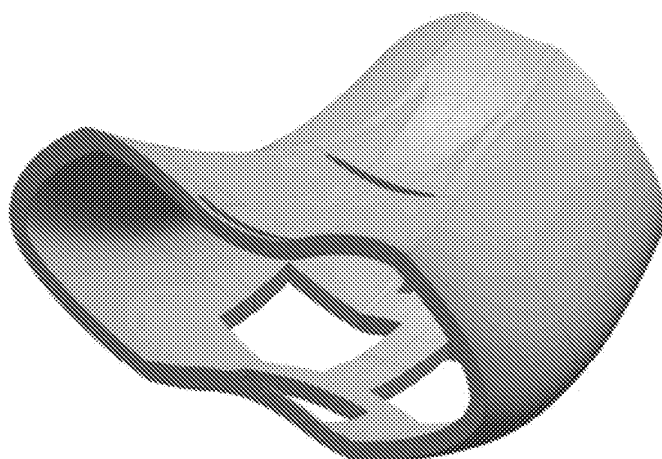


FIG. 13C

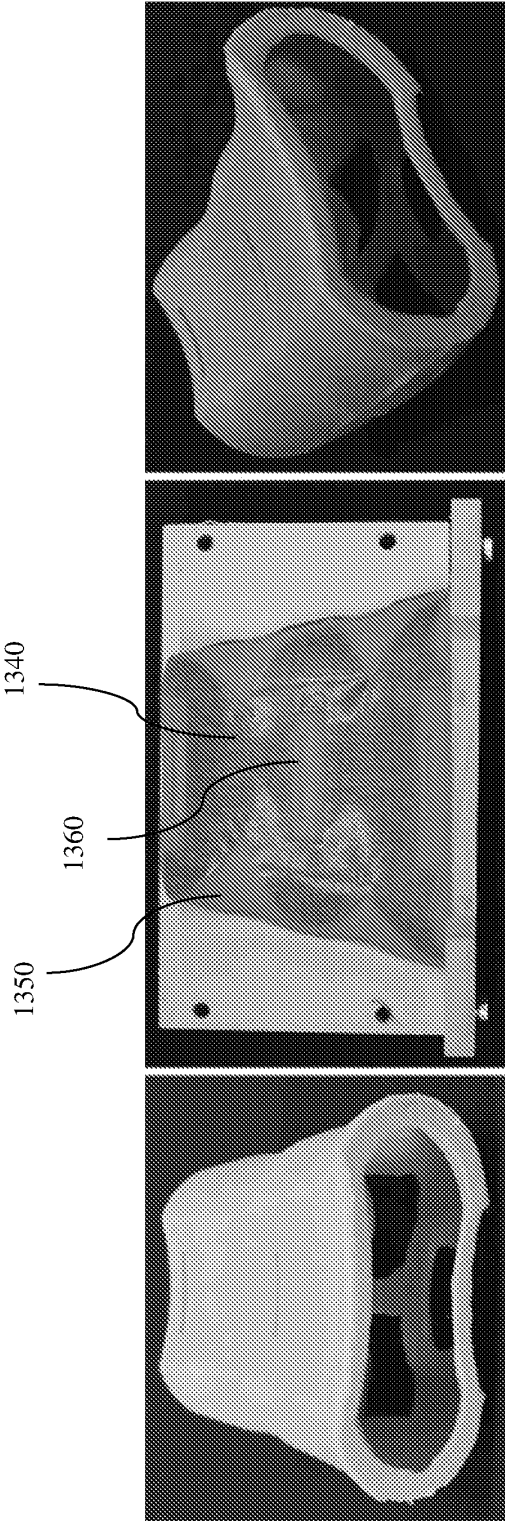


FIG. 13D

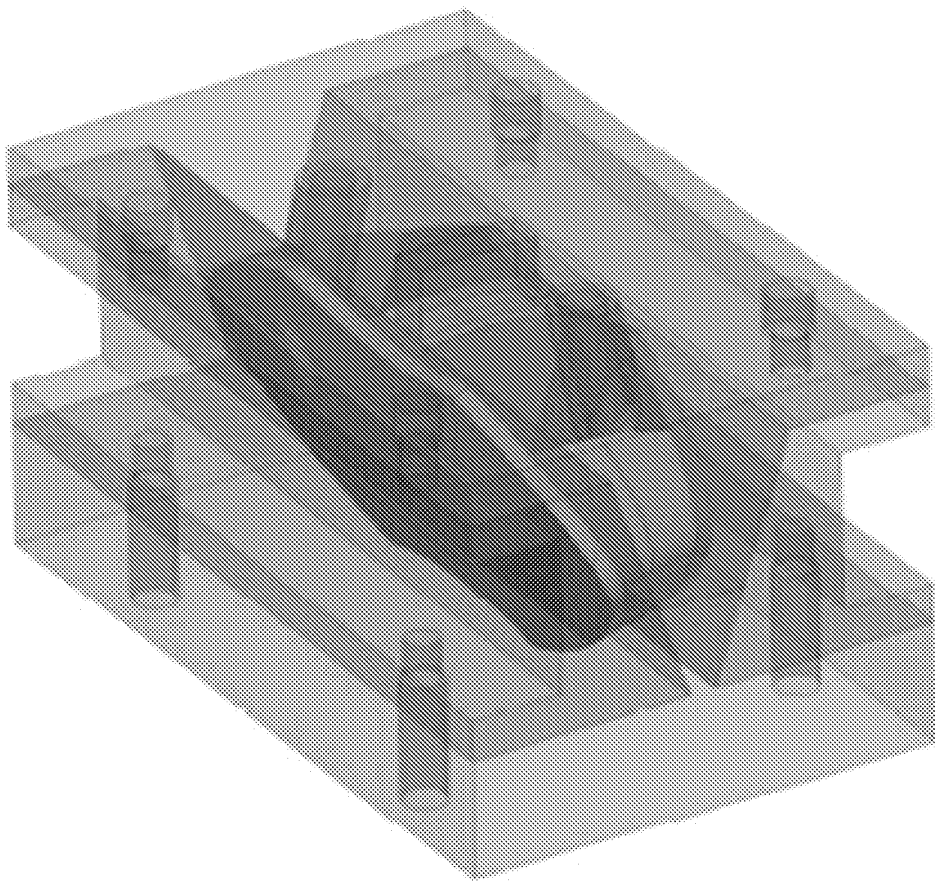


FIG. 14A

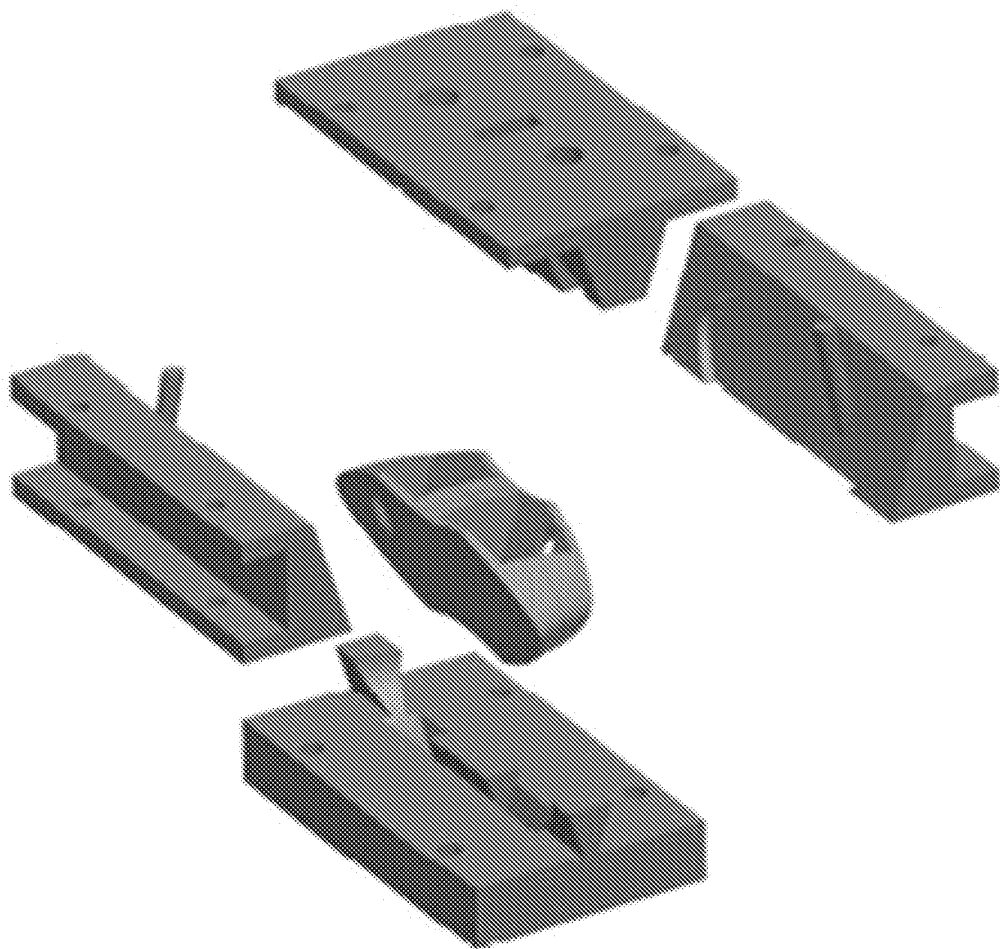


FIG. 14B

1410

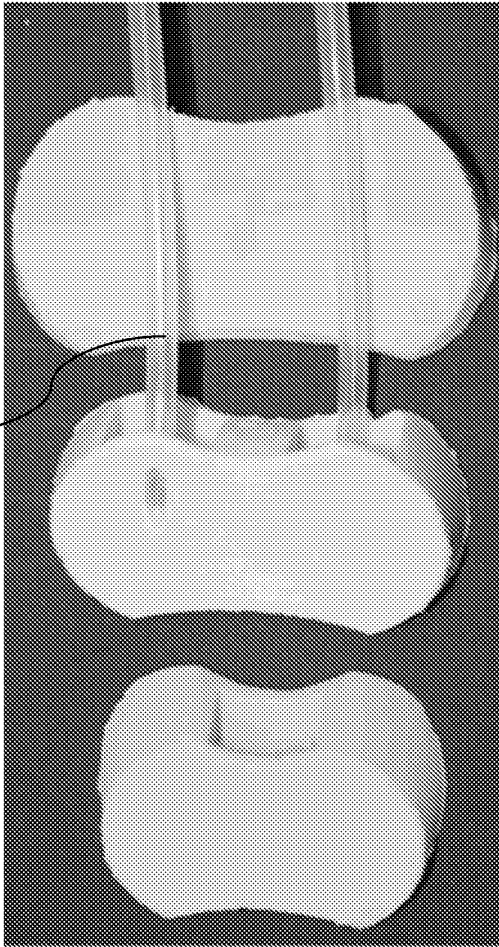


FIG. 14D

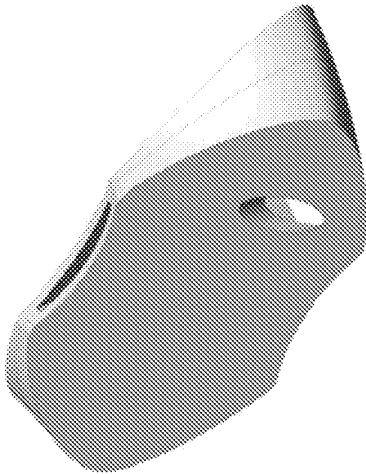


FIG. 14C

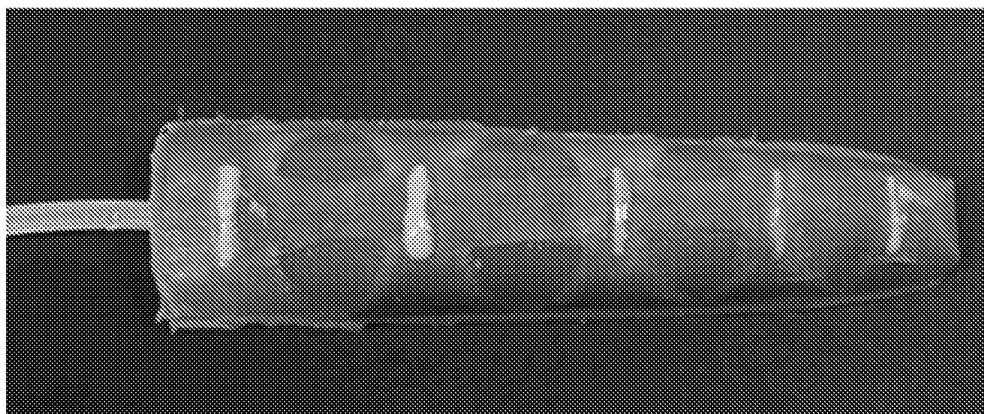


FIG. 15A

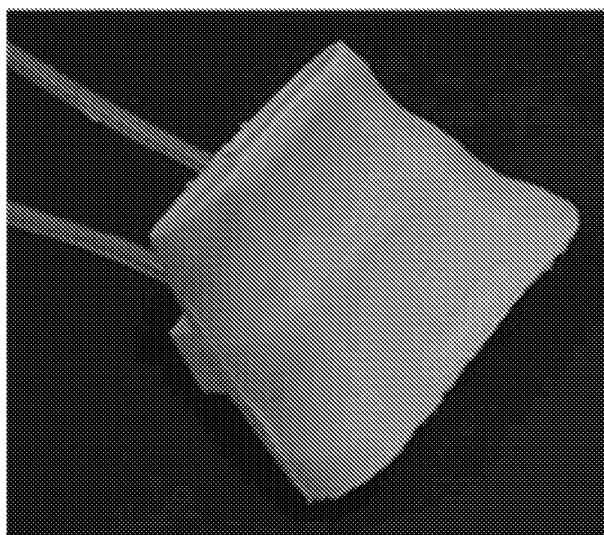


FIG. 15B



FIG. 15C

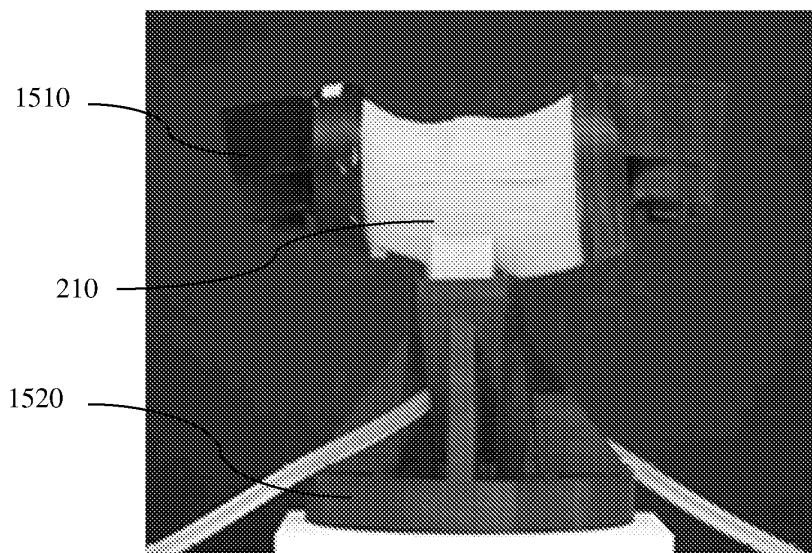


FIG. 15D

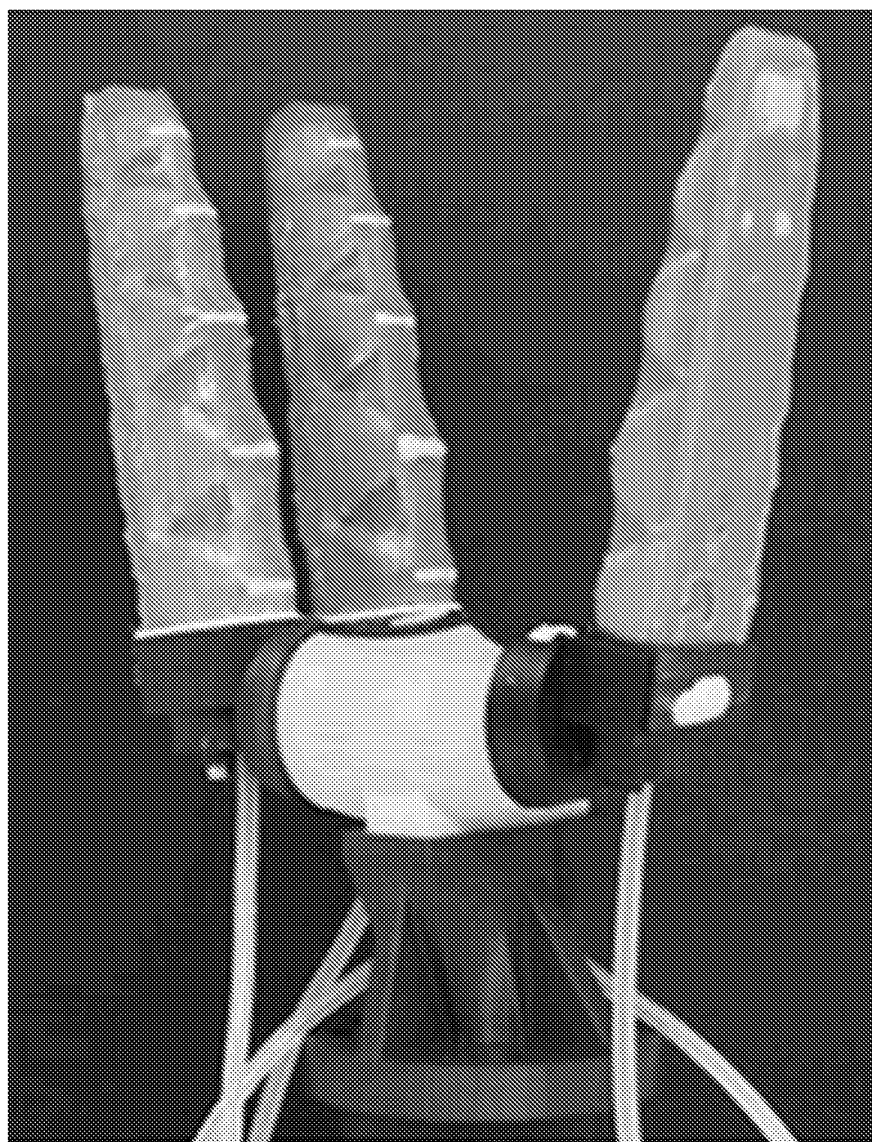


FIG. 15E

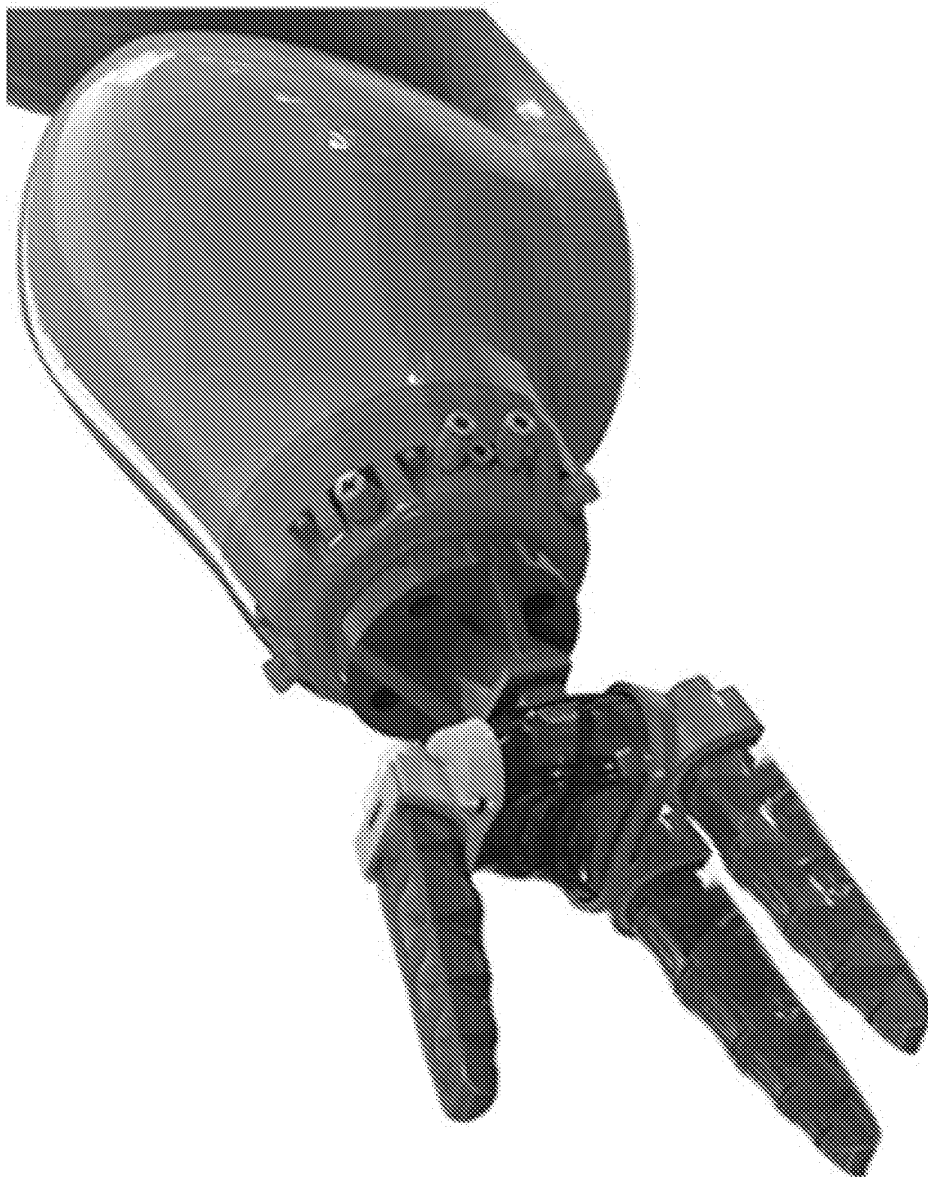


FIG. 15F

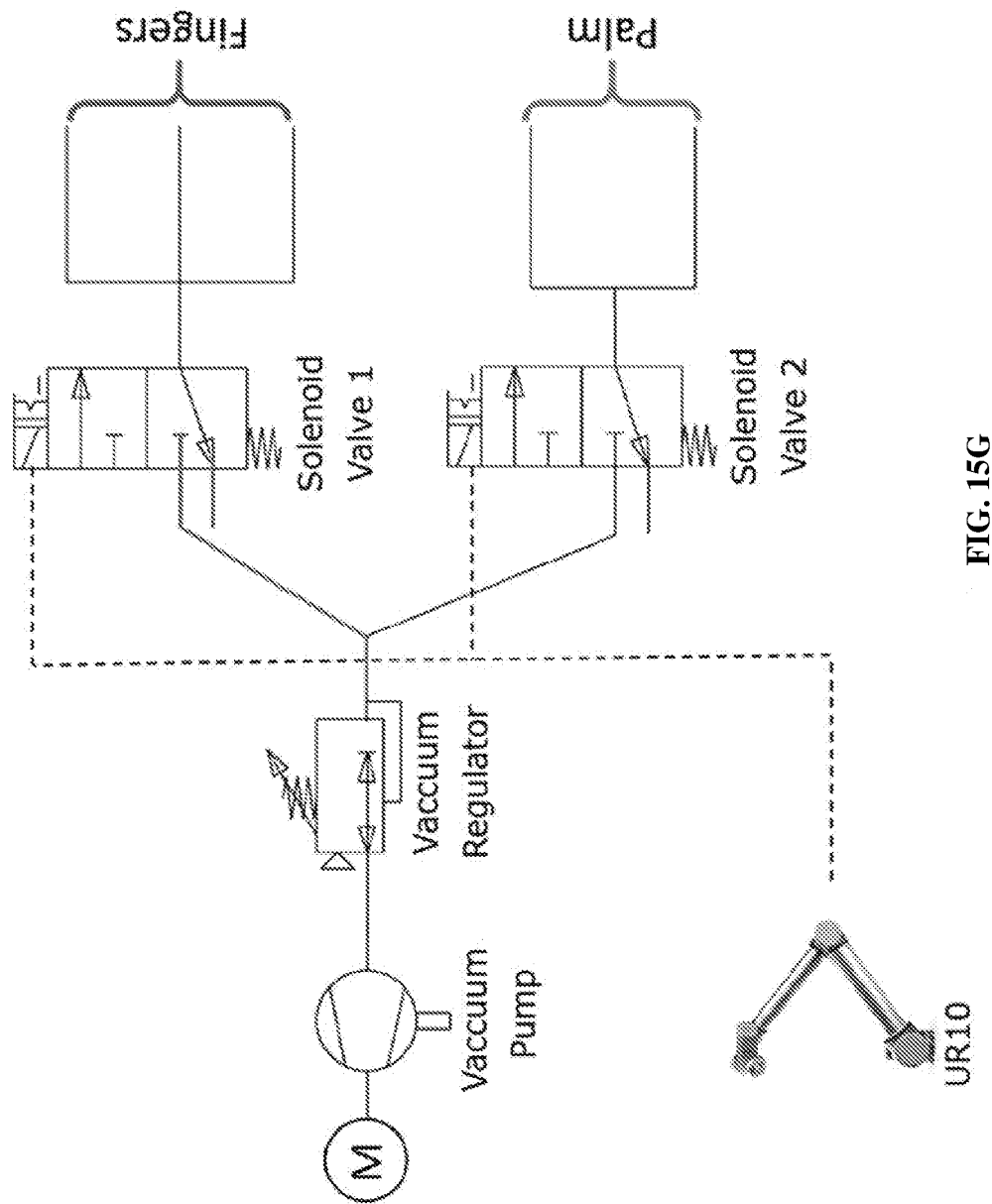


FIG. 15G



FIG. 16

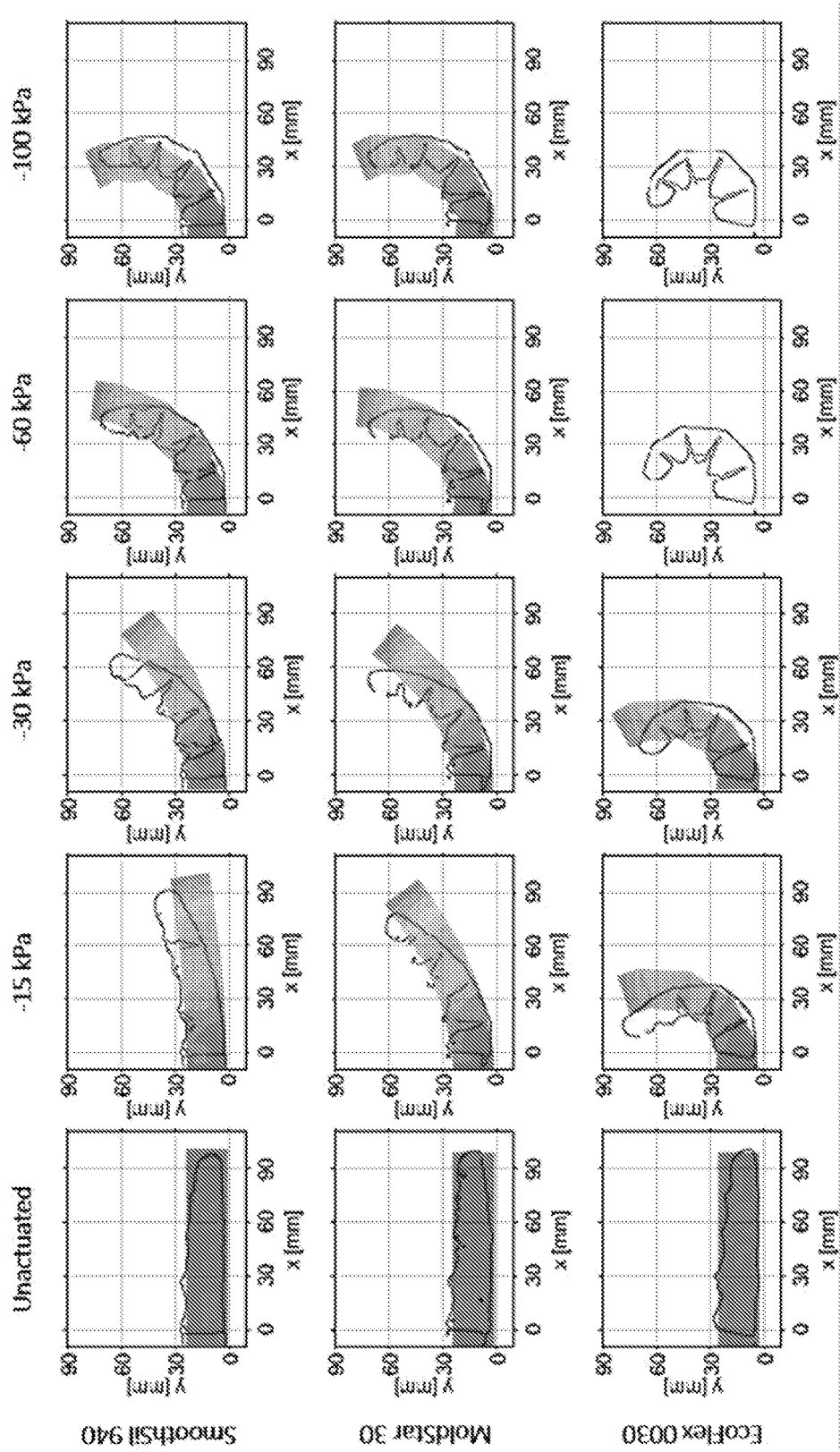


FIG. 17

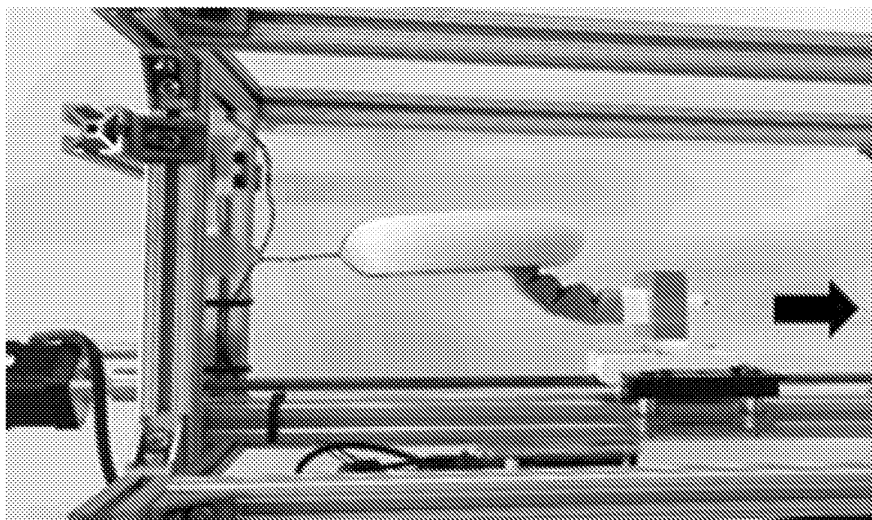


FIG. 18B

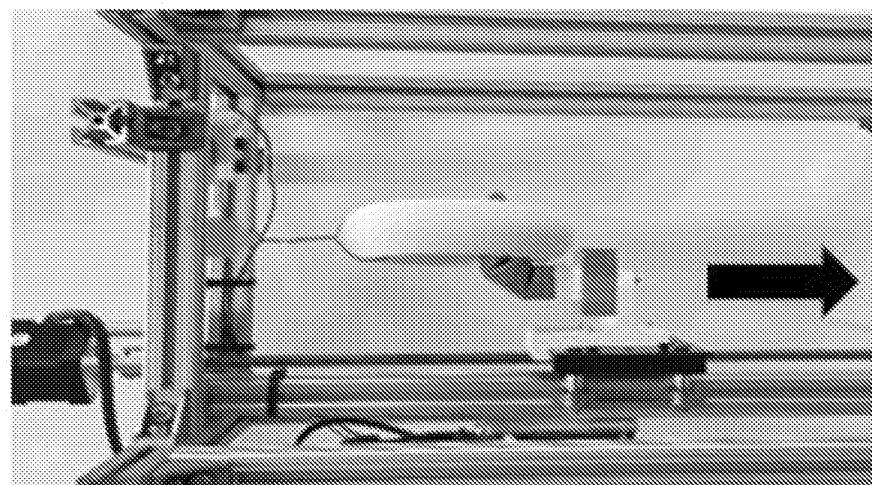


FIG. 18A

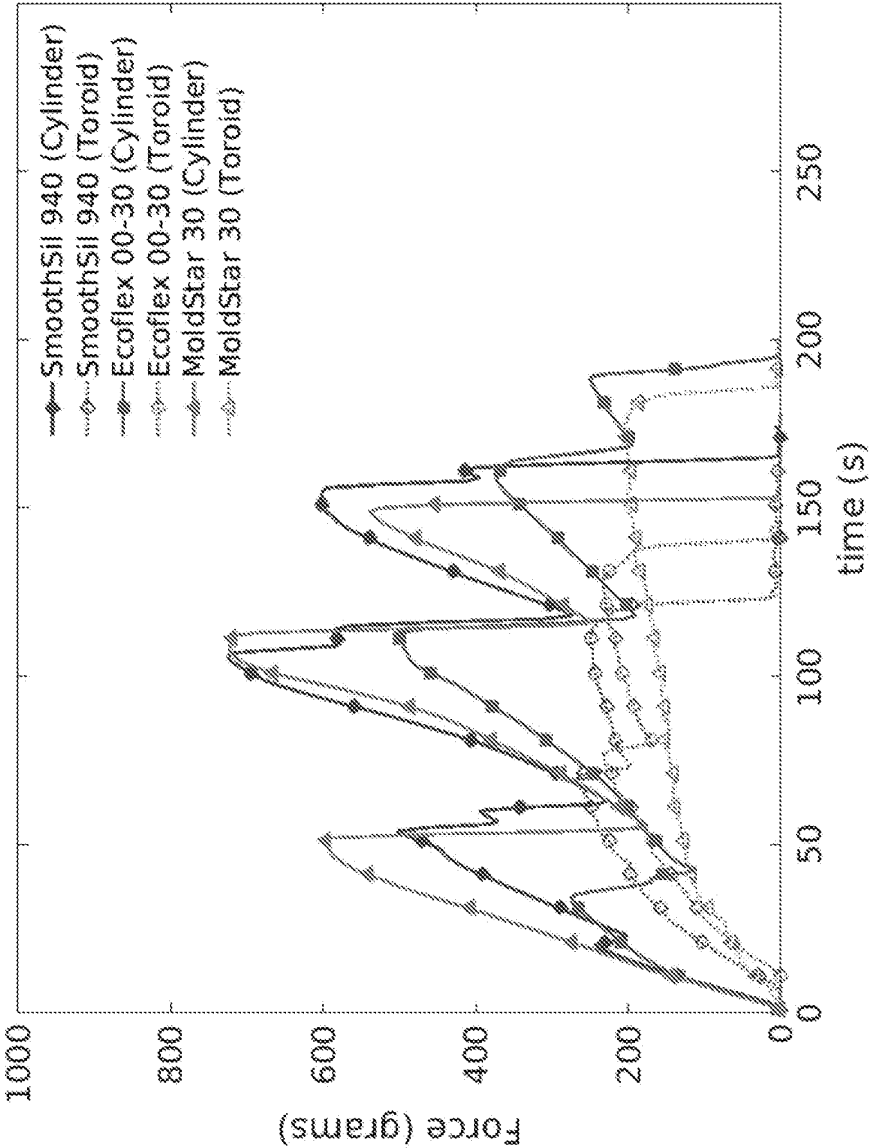


FIG. 18C

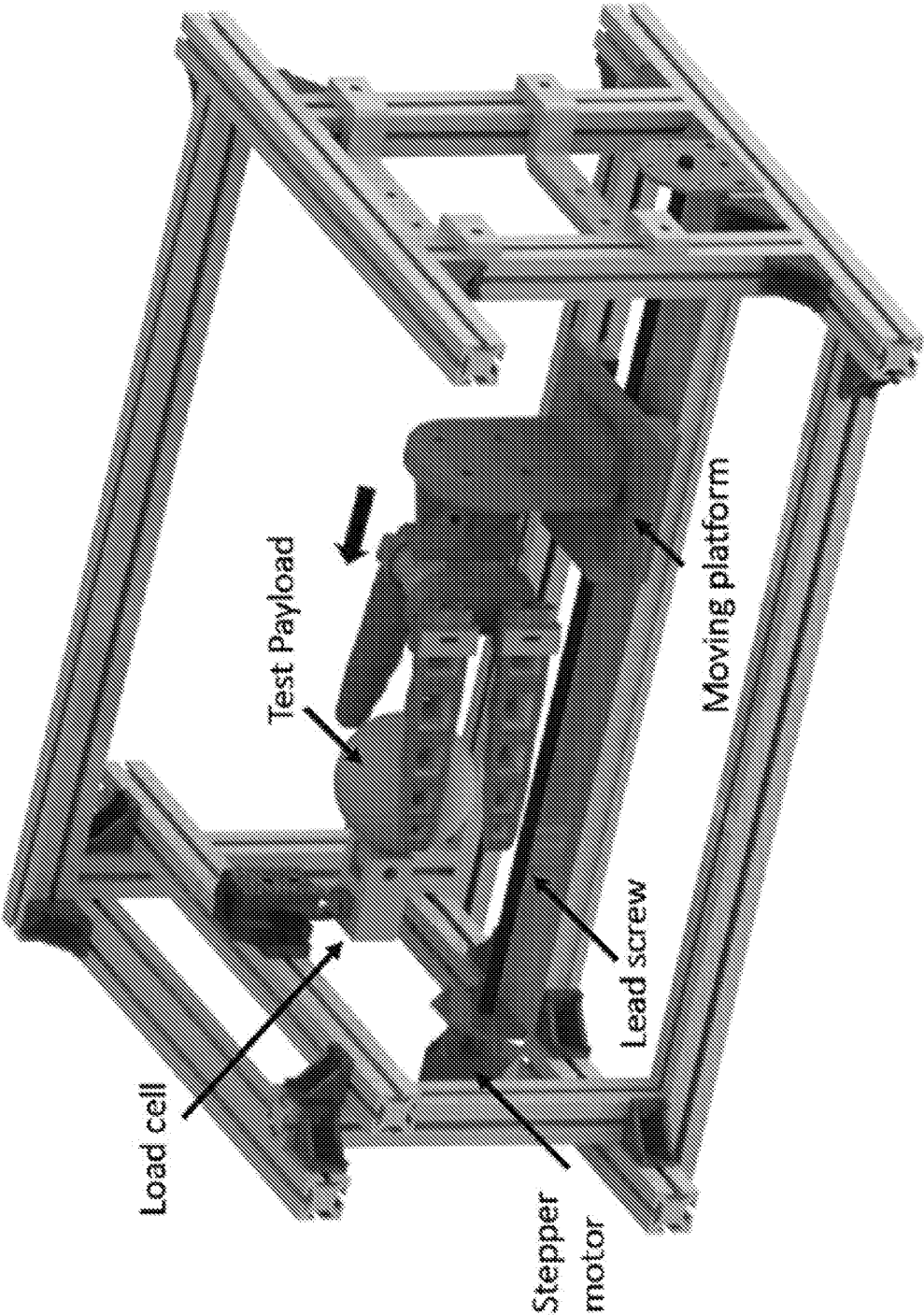


FIG. 19A

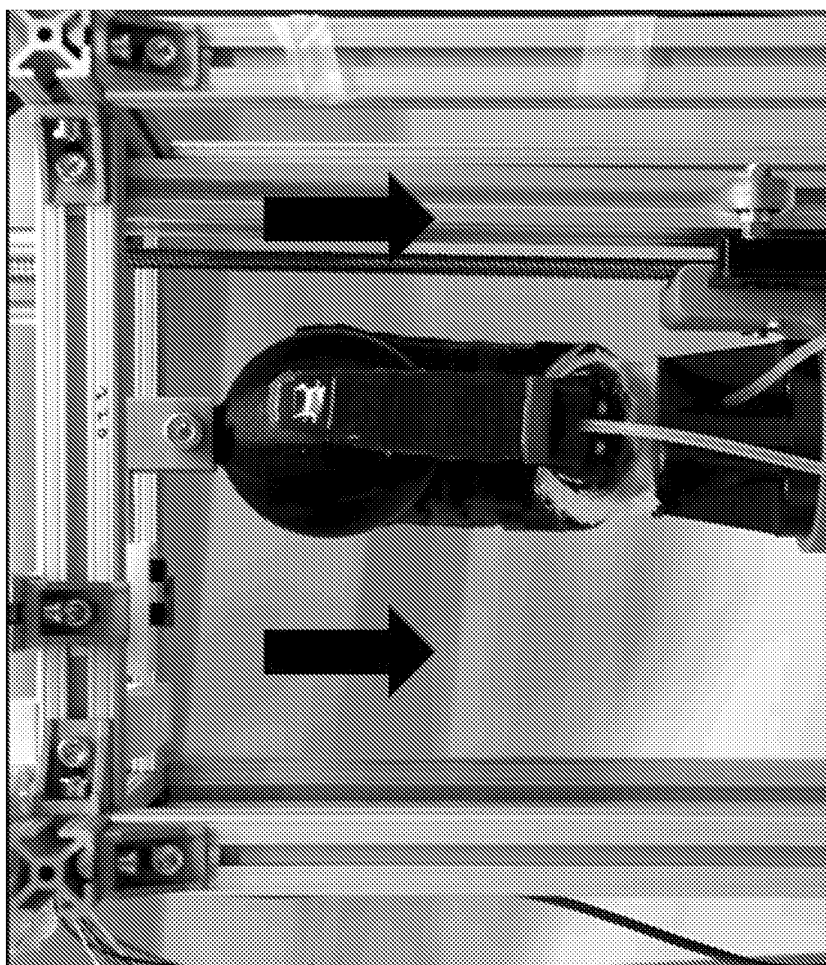


FIG. 19B

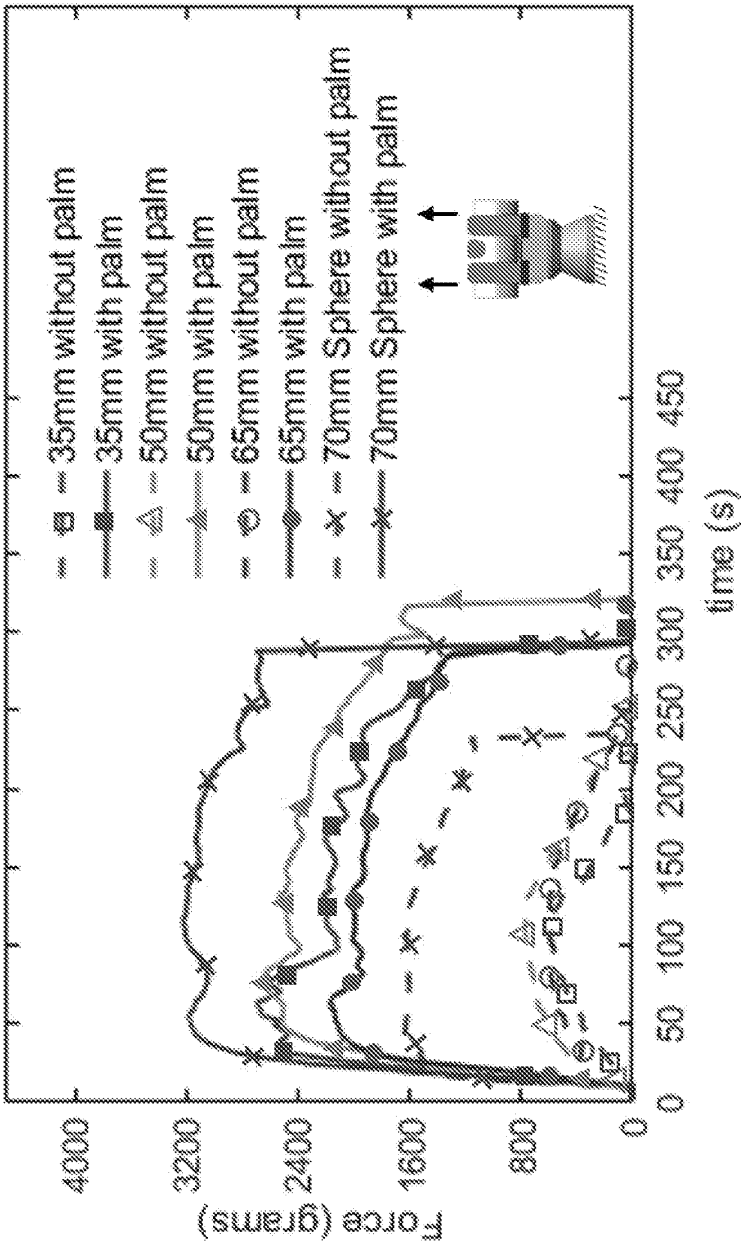


FIG. 19C

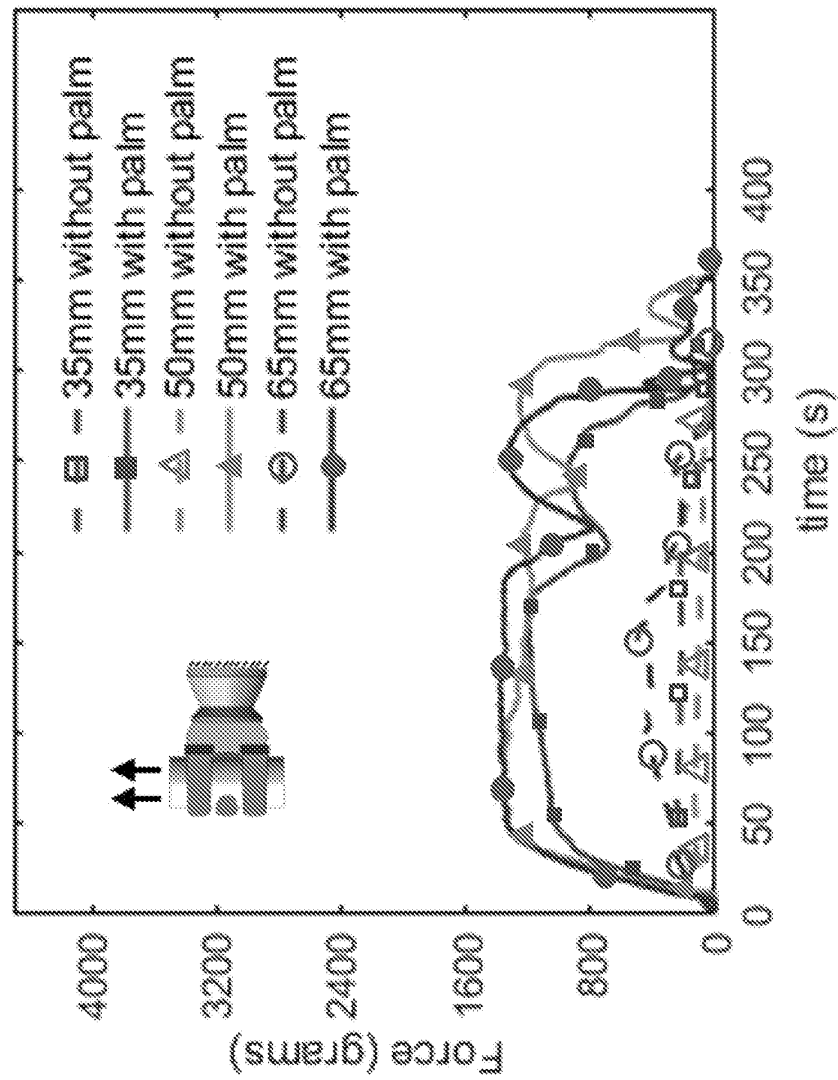


FIG. 19D

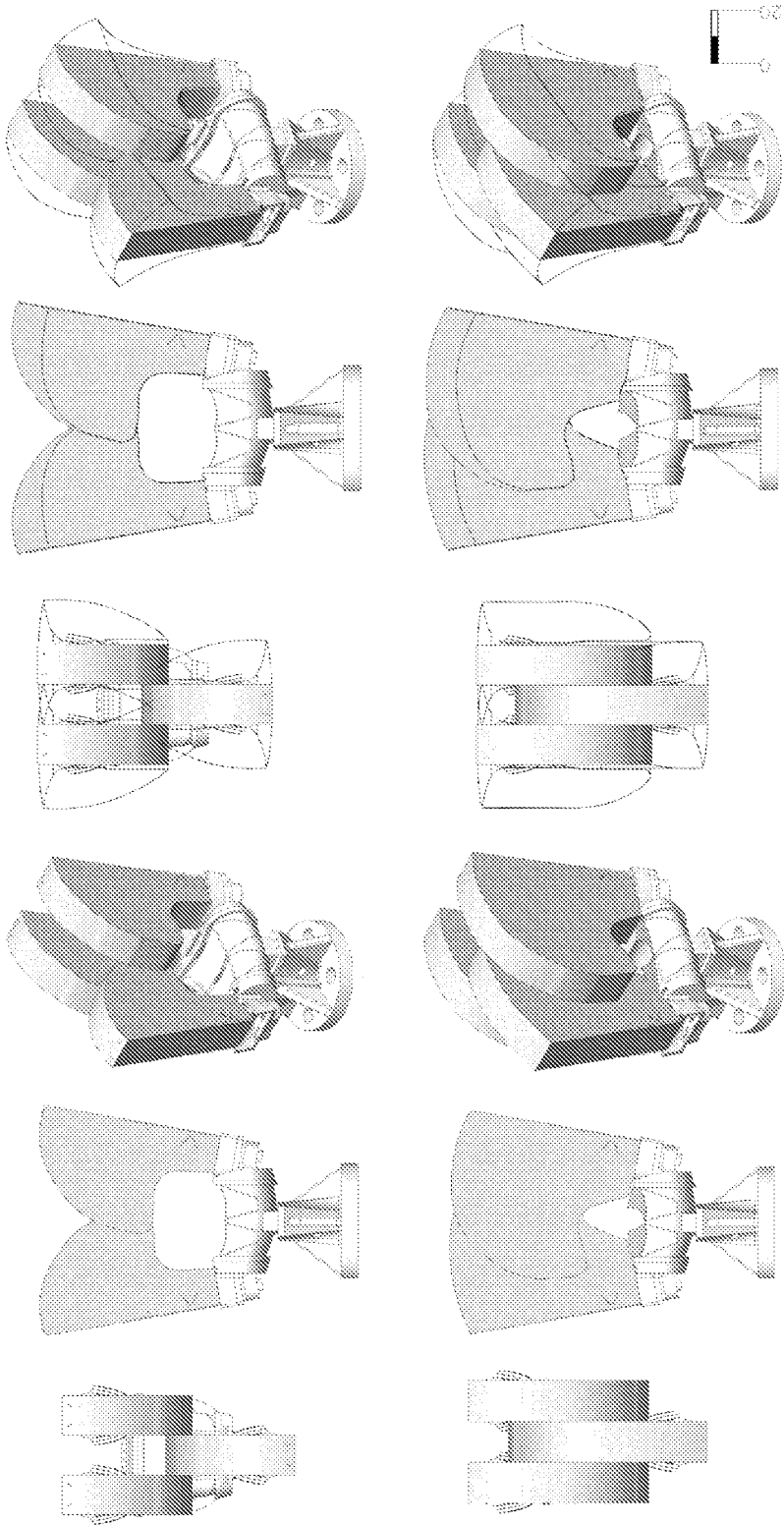
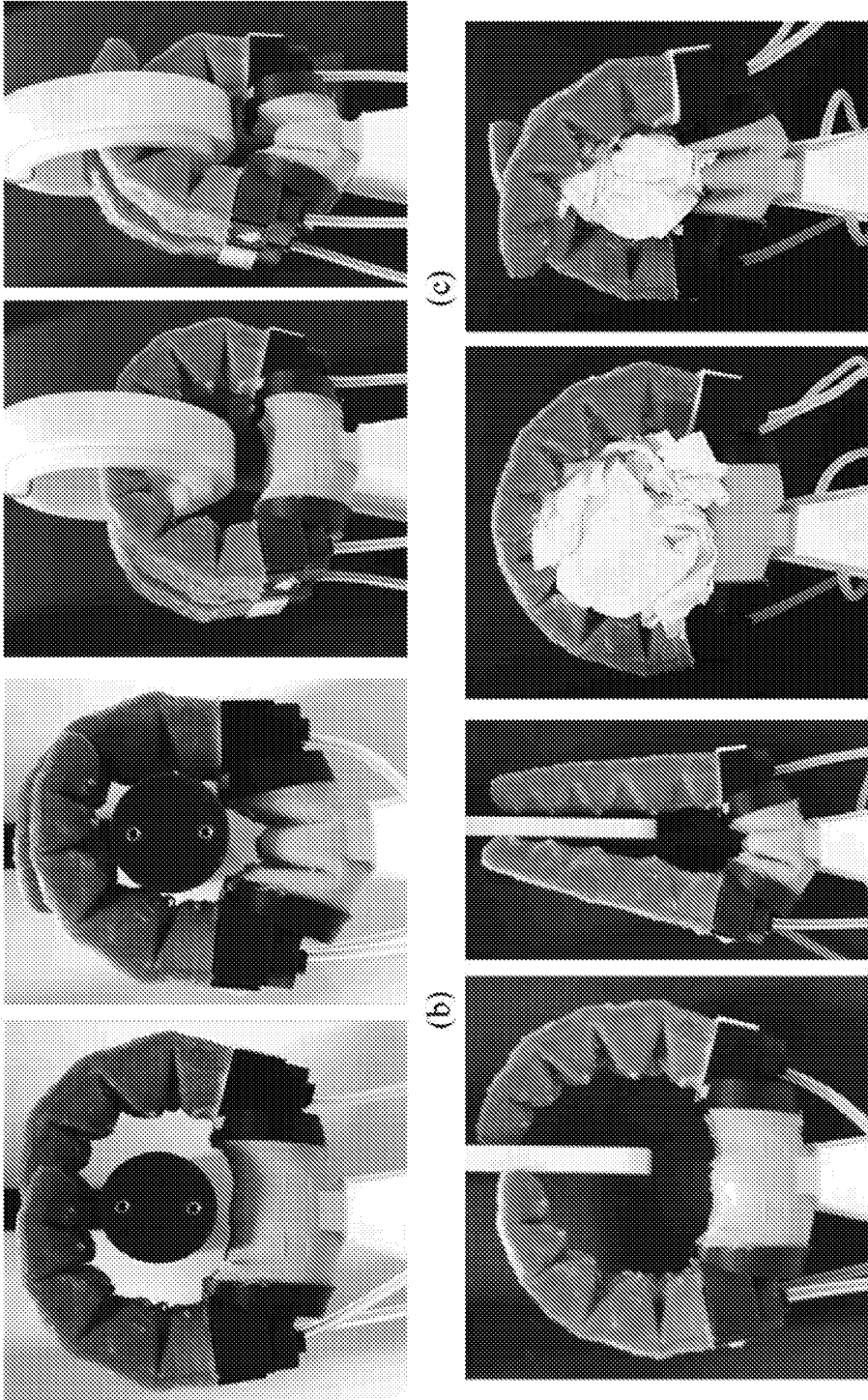


FIG. 20A



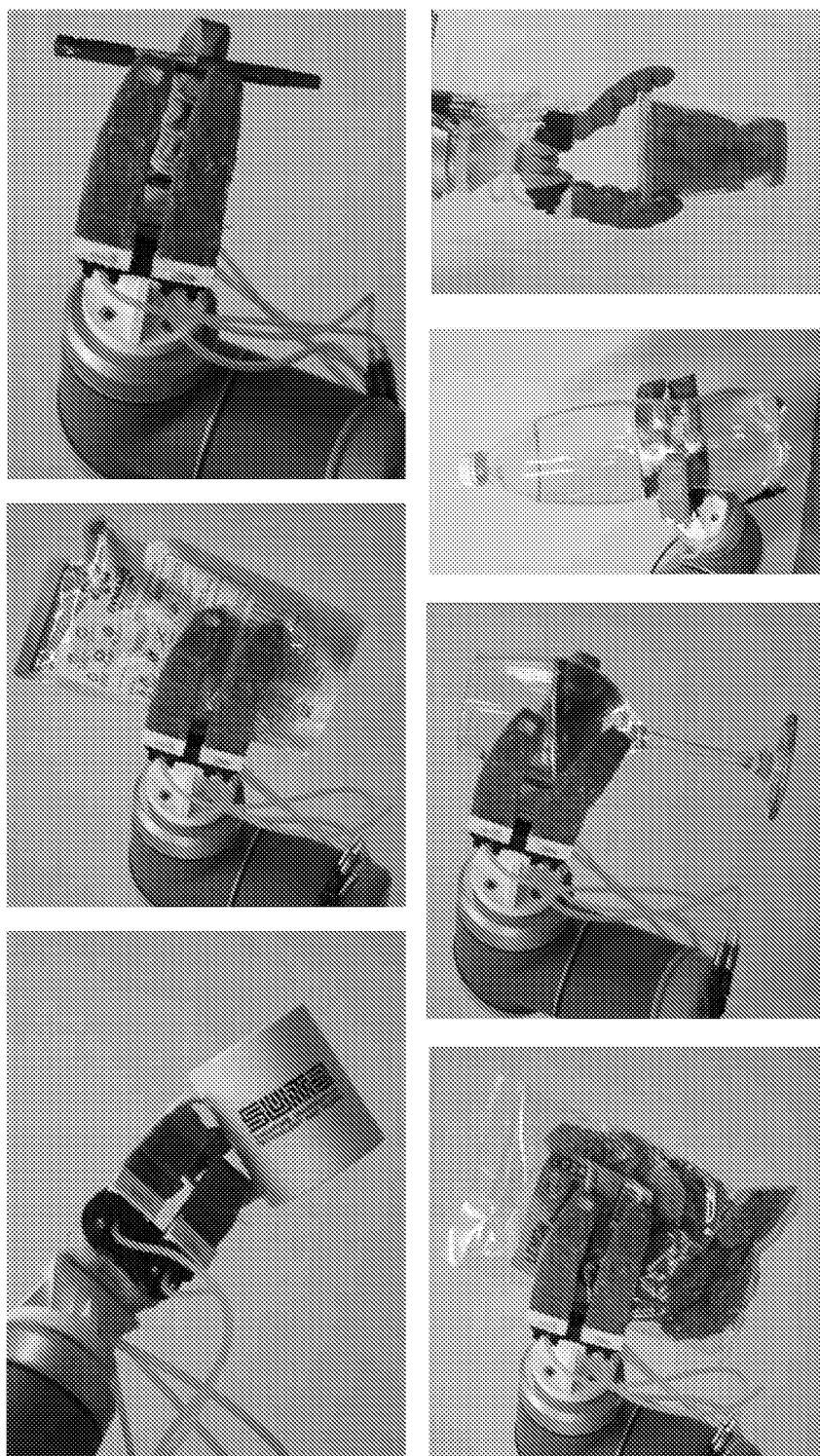


FIG. 21A

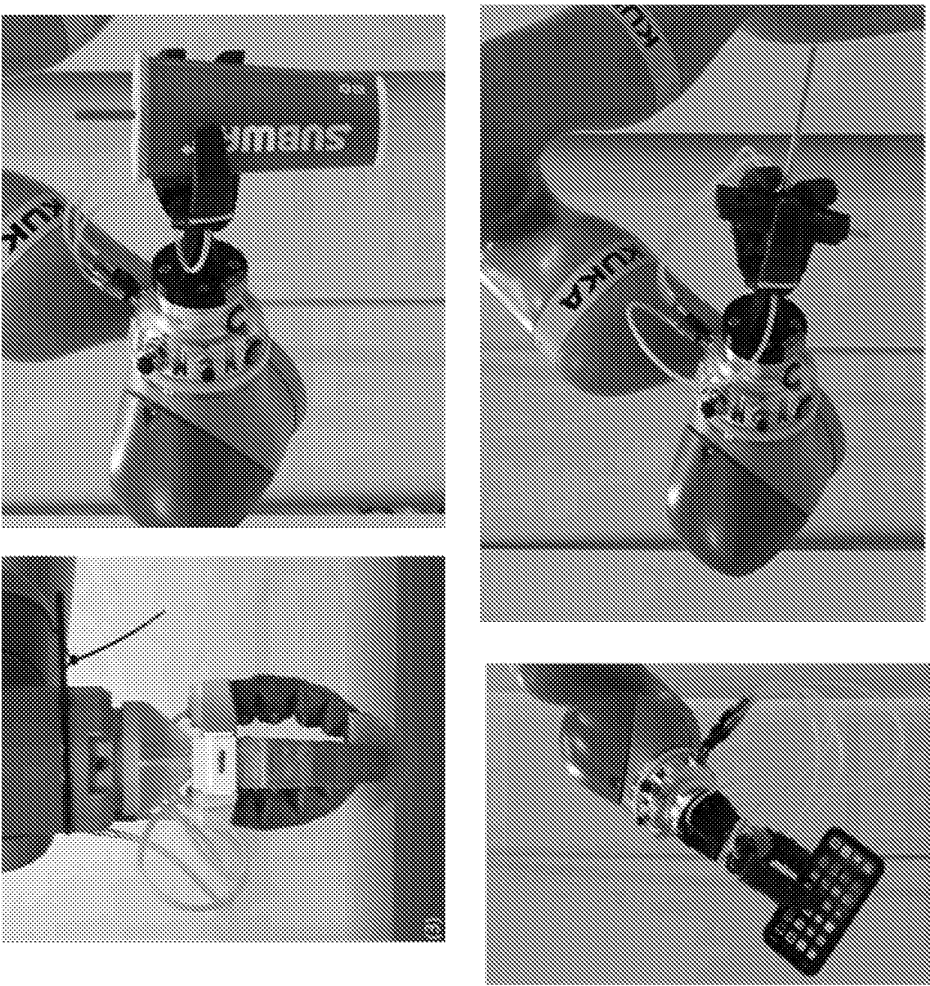


FIG. 21B

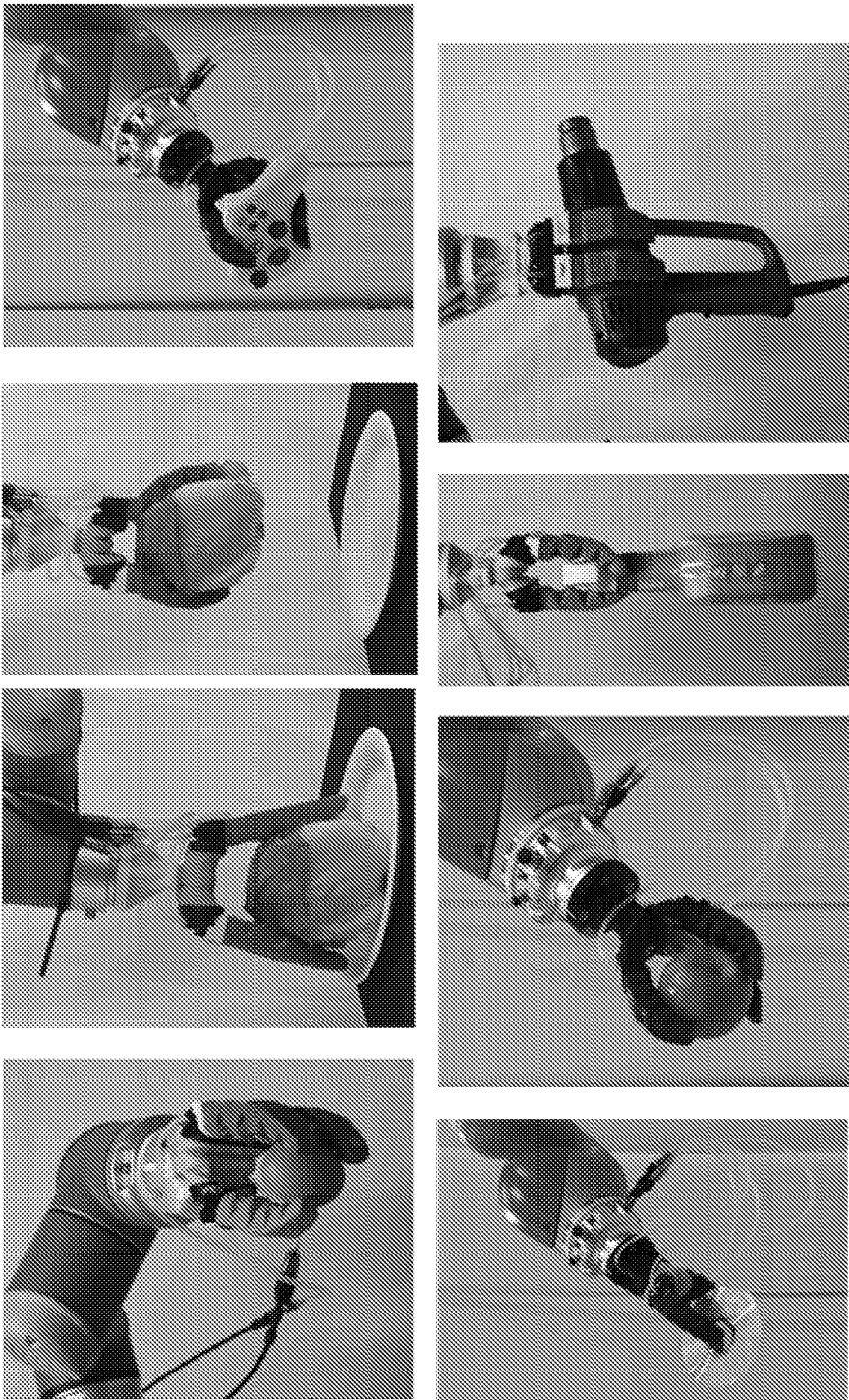


FIG. 21C

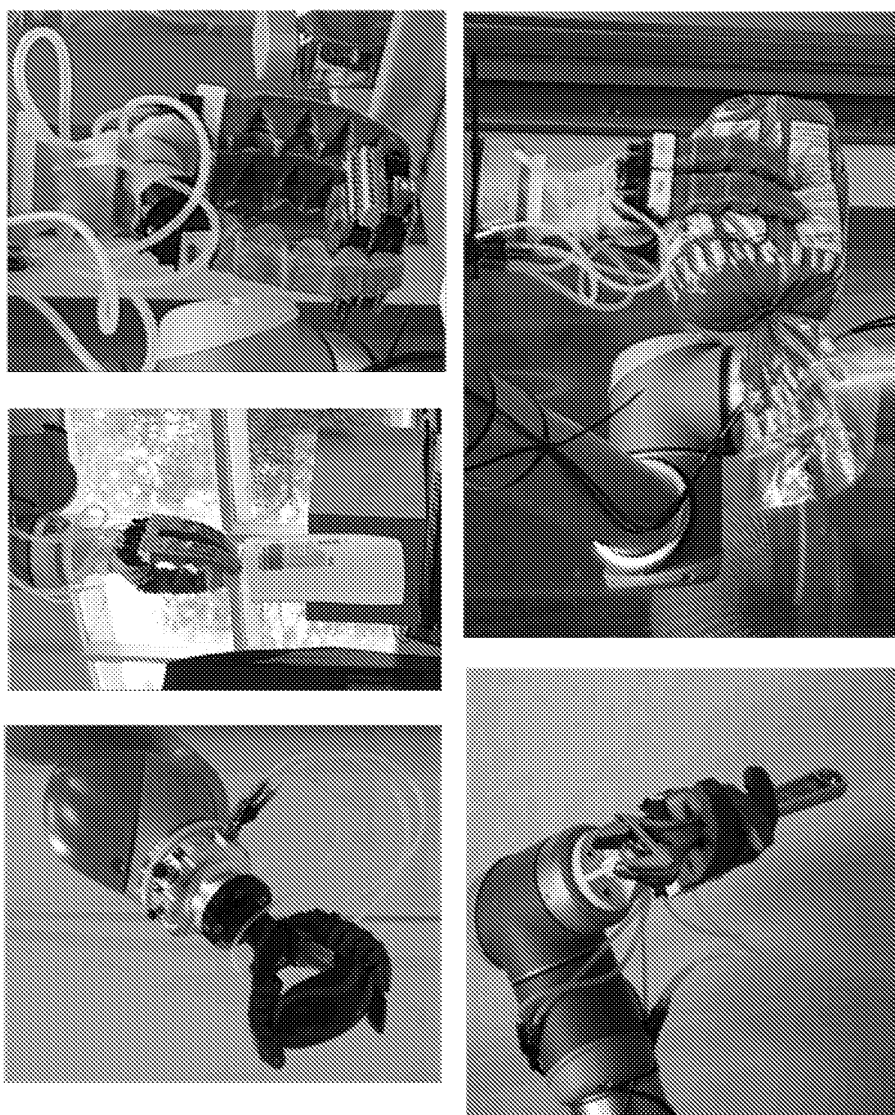


FIG. 21D

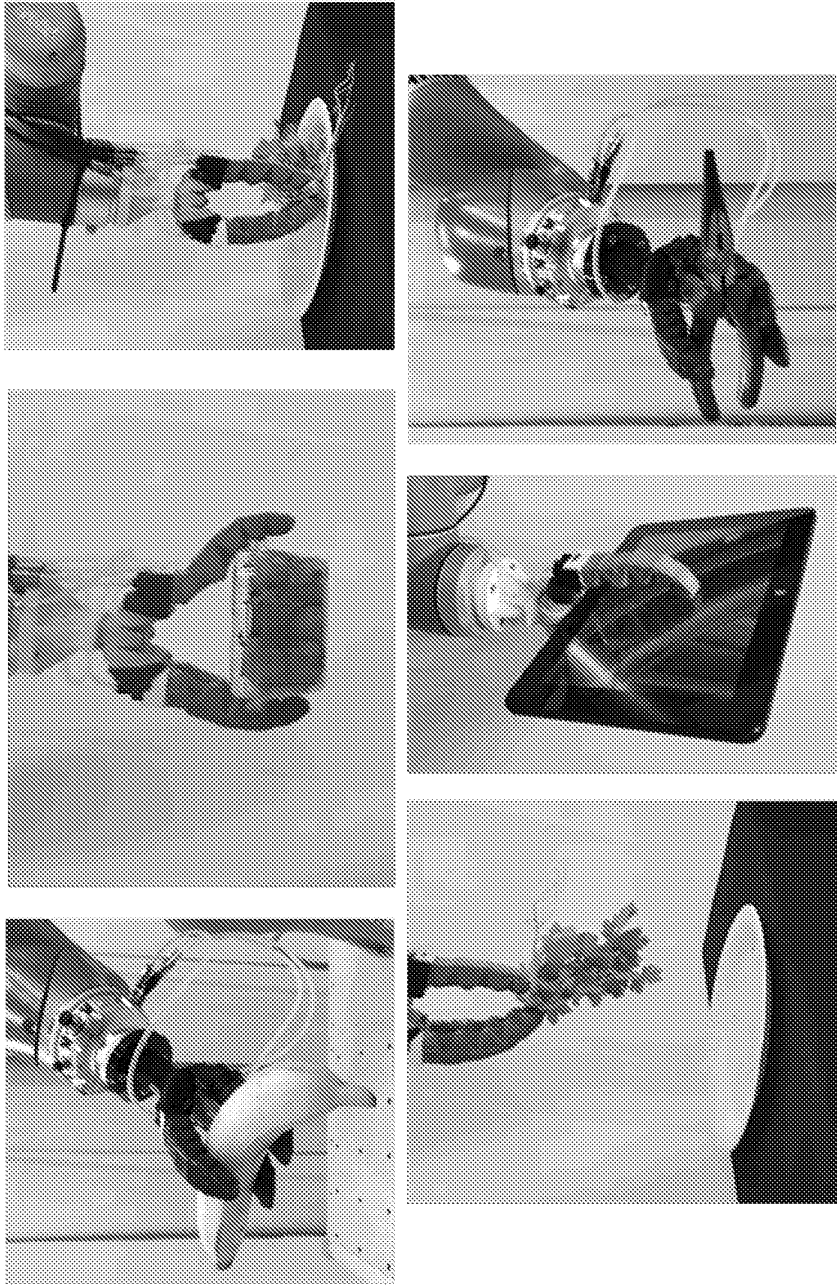


FIG. 21E

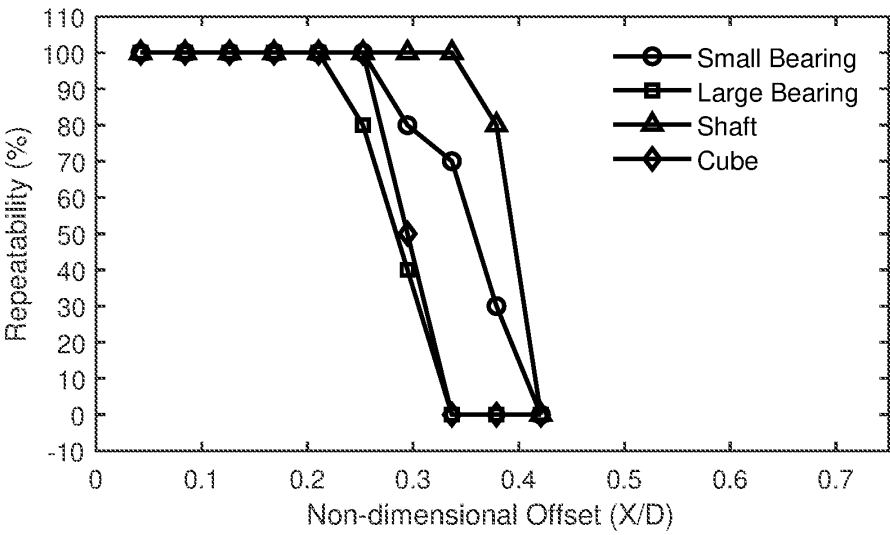


FIG. 22A

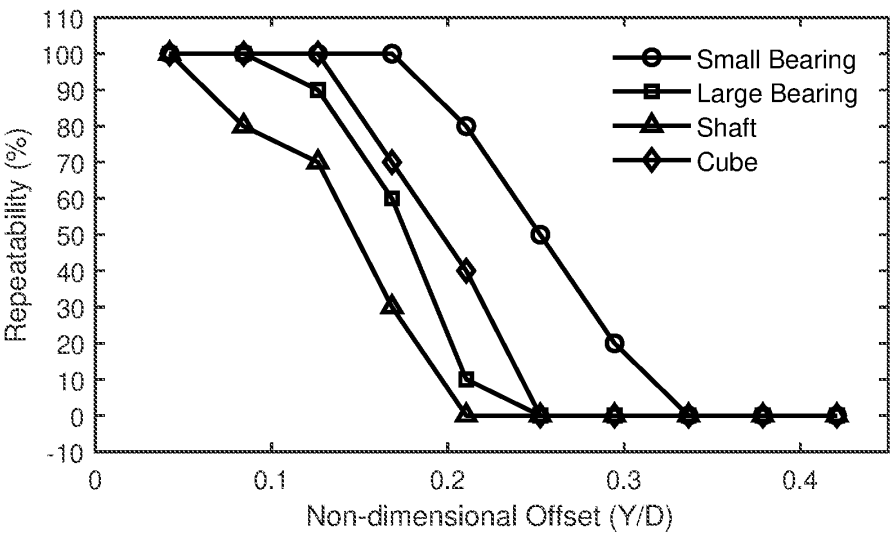


FIG. 22B

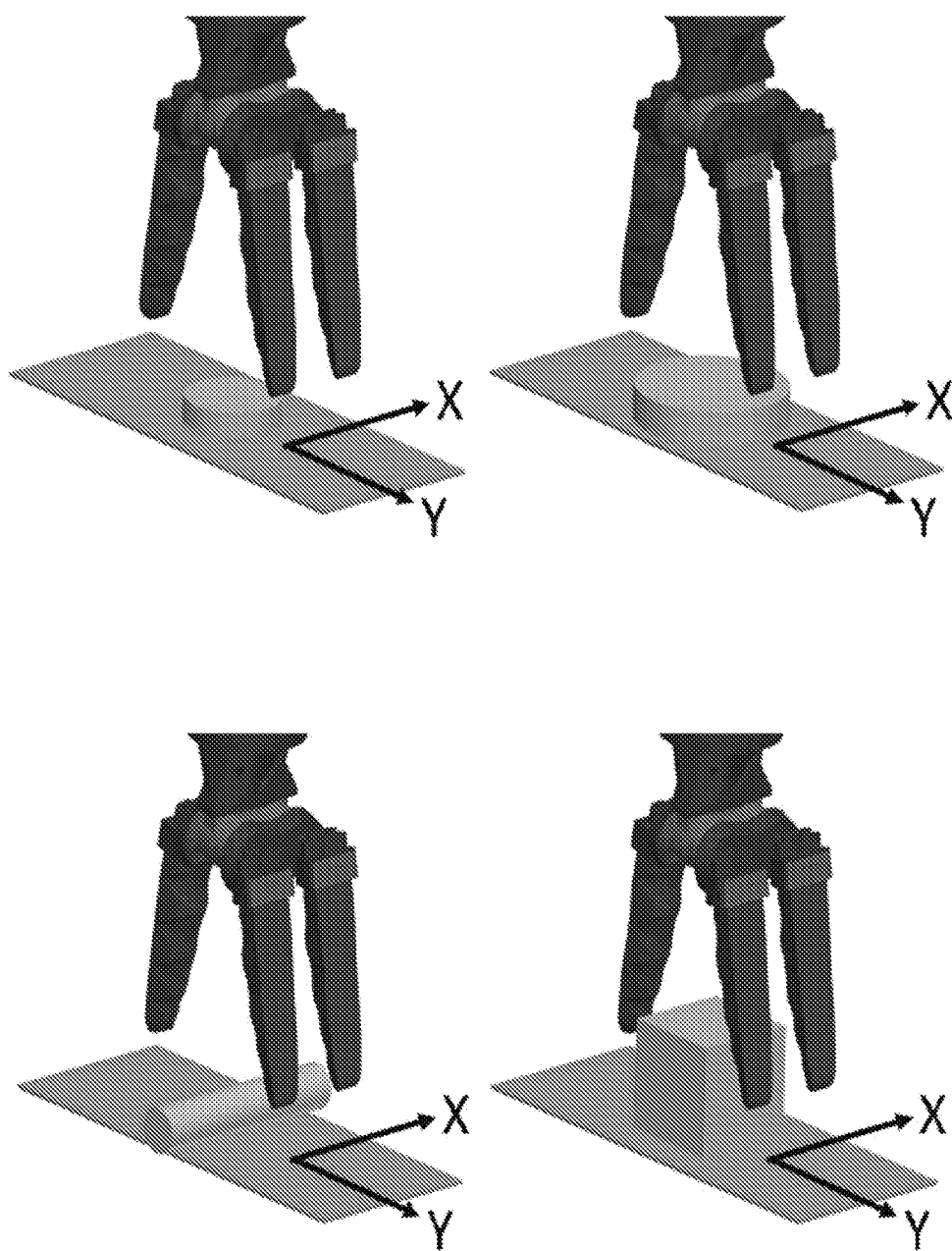


FIG. 22C

Objects	W	SUTD Gripper						Origami						Jamming						Bellows-Style					
		S	C	P	E	H	S	C	P	E	H	S	C	P	E	H	S	C	P	E	H				
Broccoli	406	✓	✓	✓	-	X	✓	-	✓	-	X	✓	-	✓	X	X	✓	✓	-	-	✓	✓	-	-	X
Eggplant	118	✓	✓	-	-	X	✓	-	-	-	X	✓	-	✓	X	X	✓	✓	-	-	-	✓	-	-	X
Grape bunch	212	-	-	✓	✓	X	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mushroom	89	✓	-	✓	-	X	✓	✓	-	X	X	X	X	✓	X	X	✓	-	-	-	-	-	-	-	X
Kiwi	98	-	-	✓	-	-	✓	-	-	X	X	X	X	✓	X	X	✓	-	-	-	-	-	-	-	X
Potato	420	✓	✓	✓	-	X	✓	-	-	X	X	X	✓	✓	X	X	✓	-	-	-	-	-	-	-	X
Potato chip	4	X	X	✓	✓	X	✓	-	-	X	X	X	✓	-	-	X	✓	-	-	-	-	-	-	-	X
Bok Choy	138	-	X	✓	-	X	✓	-	-	-	-	-	-	-	X	X	✓	-	-	-	-	-	-	-	-
Apple	164	✓	X	-	X	X	✓	X	-	X	-	-	-	-	-	X	✓	X	-	-	-	-	-	-	X
Banana	167	X	-	✓	✓	X	✓	-	-	-	-	-	-	-	-	X	✓	-	-	-	-	-	-	-	-
Tomato	114	✓	X	-	X	X	✓	X	-	X	-	-	-	-	-	X	✓	X	-	-	-	-	-	-	X
Pack of pulses	513	✓	✓	✓	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egg	21	-	X	✓	✓	X	-	-	-	X	-	-	-	-	-	X	✓	-	-	-	-	-	-	-	X
Rittersport chocolate	102	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrero Rocher box	183	X	✓	✓	✓	X	-	-	-	X	-	-	-	✓	-	X	-	-	-	-	-	-	-	-	X
Hazeline cream	230	-	✓	✓	✓	-	✓	✓	-	-	-	✓	-	-	-	-	✓	✓	-	-	-	-	-	-	-
Hersheys chocolate bar	99	-	-	✓	-	X	✓	✓	-	X	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Cup noodles	100	✓	✓	✓	-	X	✓	-	✓	X	-	✓	-	-	-	-	✓	✓	-	-	-	-	✓	-	X
Cereal box	430	X	X	-	✓	X	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pack of bread	200	-	-	-	✓	X	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-
Jam jar	642	-	✓	✓	-	X	✓	-	-	X	-	✓	-	-	-	X	-	✓	✓	-	-	-	-	-	X
Soda bottle	2105	X	✓	✓	-	X	-	-	-	X	-	-	-	-	-	X	-	-	-	-	-	-	-	-	X
Spray bottle	1207	X	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wine glass	245	✓	✓	✓	-	-	✓	-	✓	-	-	✓	-	-	✓	-	-	✓	✓	-	-	-	-	-	-
Coke can	370	-	✓	✓	✓	-	✓	-	✓	-	-	✓	-	-	-	-	-	✓	✓	-	-	-	-	-	-

FIG. 23A

Objects	W	SUTD Gripper					Origami					Jannning					Bellows-Style				
		S	C	P	E	H	S	C	P	E	H	S	C	P	E	H	S	C	P	E	H
Coin	8	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water bottle	653	-	X	X	-	-	X	-	X	-	-	-	-	-	-	-	-	X	X	-	-
Wine bottle	676	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	X	-	-	-
Shampoo dispenser	871	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WD40	312	-	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3M adhesive spray	567	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mug	315	-	X	X	-	X	X	-	X	-	-	-	-	-	-	-	-	X	X	-	X
Futaba RC	682	-	X	X	-	X	X	-	X	-	-	-	-	-	-	-	-	-	-	-	-
iPhone	148	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	-
Galaxy tablet	678	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xbox controller	281	-	X	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scissors	98	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	-
Padlock	163	-	-	X	-	-	X	-	X	-	-	-	-	-	-	-	-	-	-	-	-
Hot gun	1154	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
PC mouse	93	X	-	X	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC keyboard	215	X	X	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flashlight	345	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	-
Allen key w/ T-handle	159	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marker pen	67	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	-
Board marker	35	-	-	X	-	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	-
Liquid refill	368	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-
Toothpaste	251.7	-	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	-	-
Travel mask	15	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portable lamp	47	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-
Metal gear	2100	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Compact disc	14	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-
Metal gear-shaft assembly	2740	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FIG. 23B