

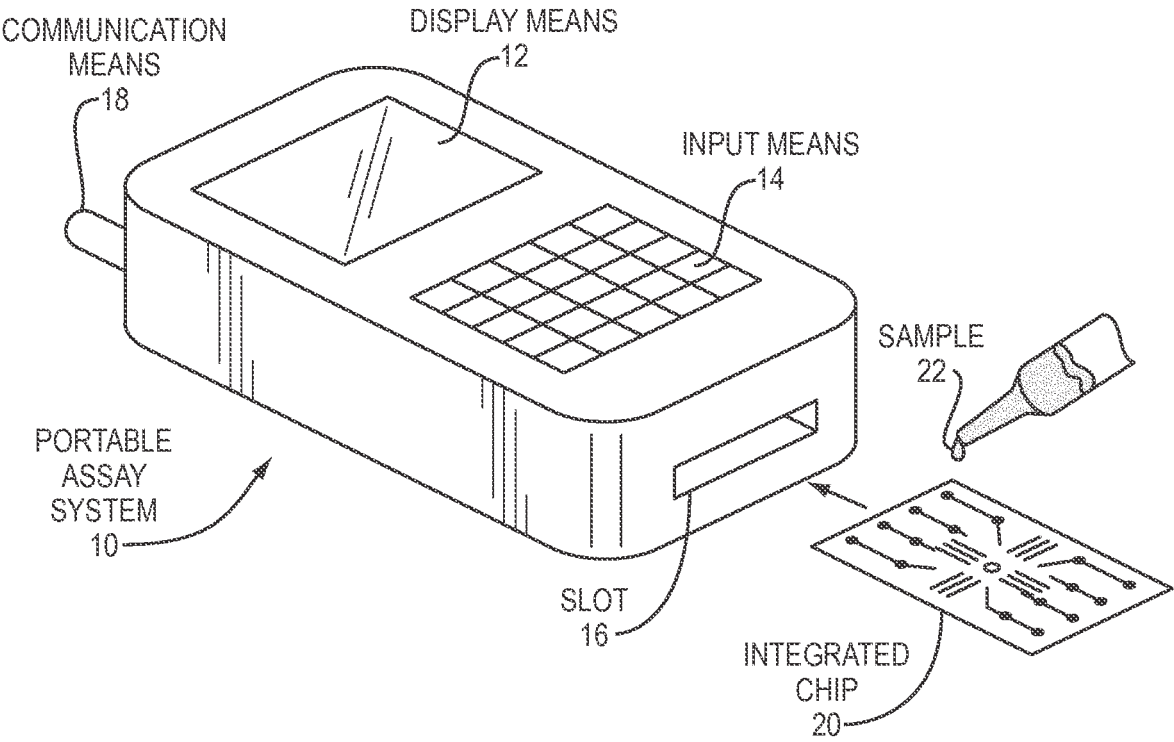


FIG. 1

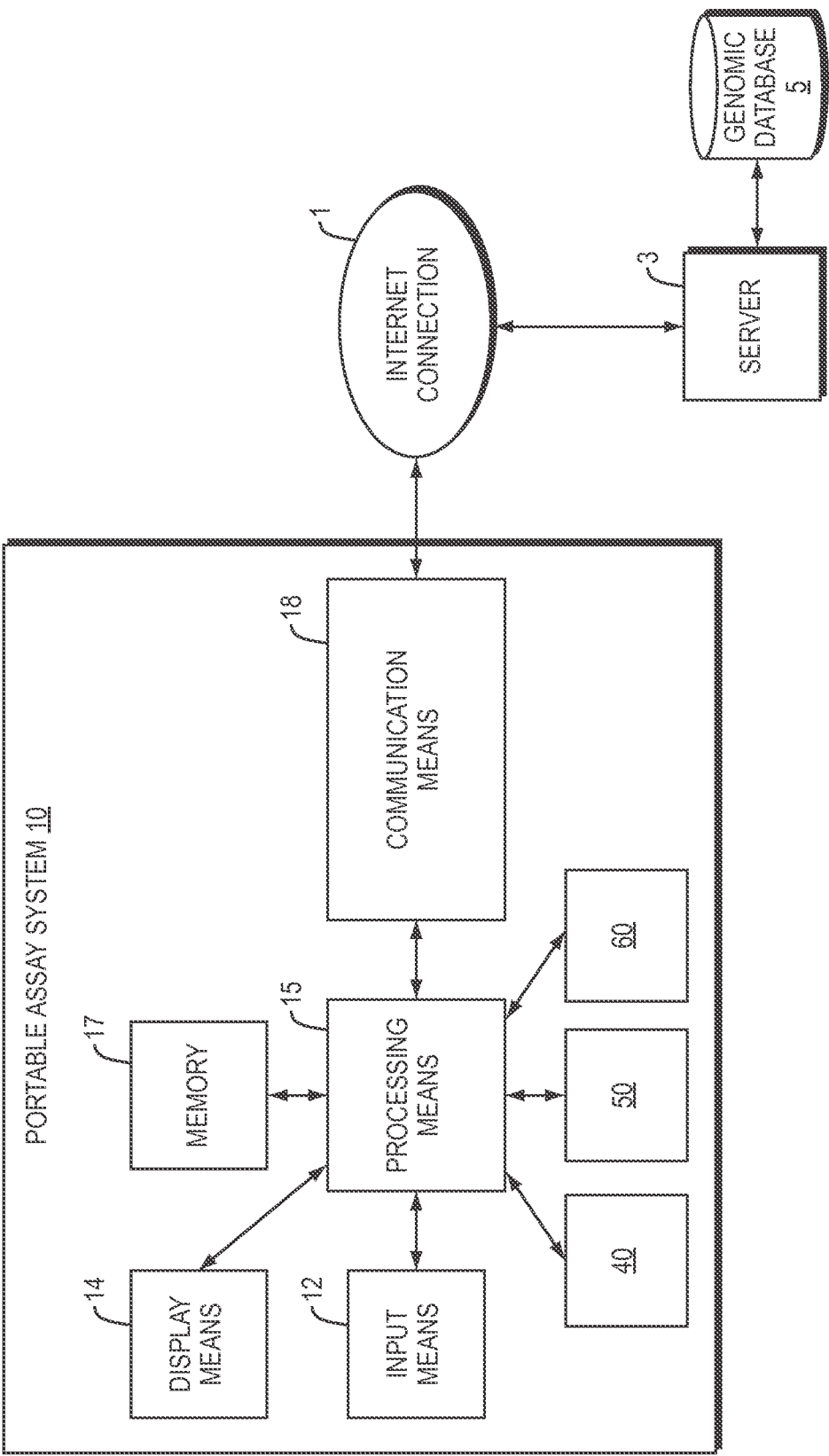


FIG. 1A

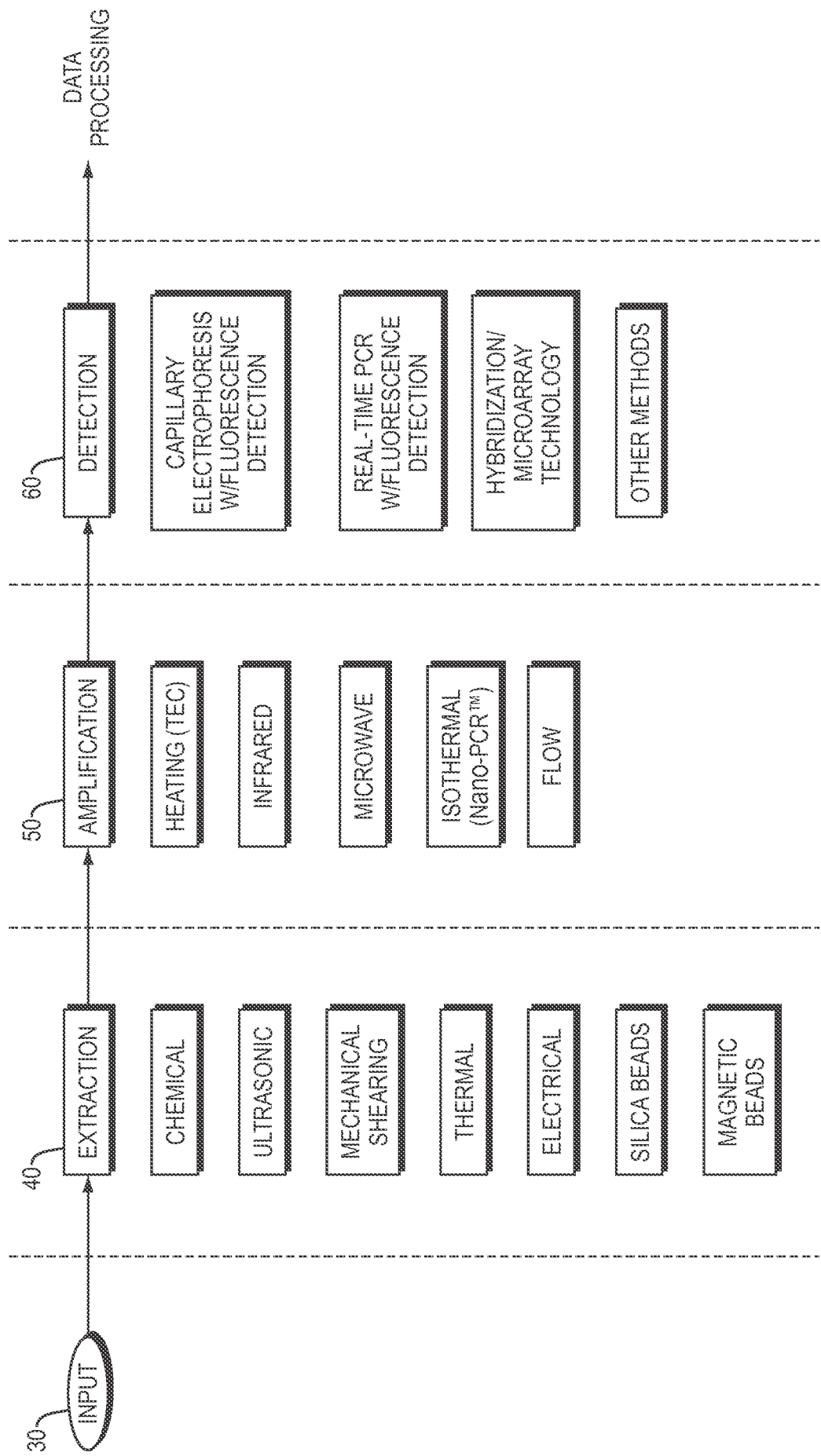


FIG. 2

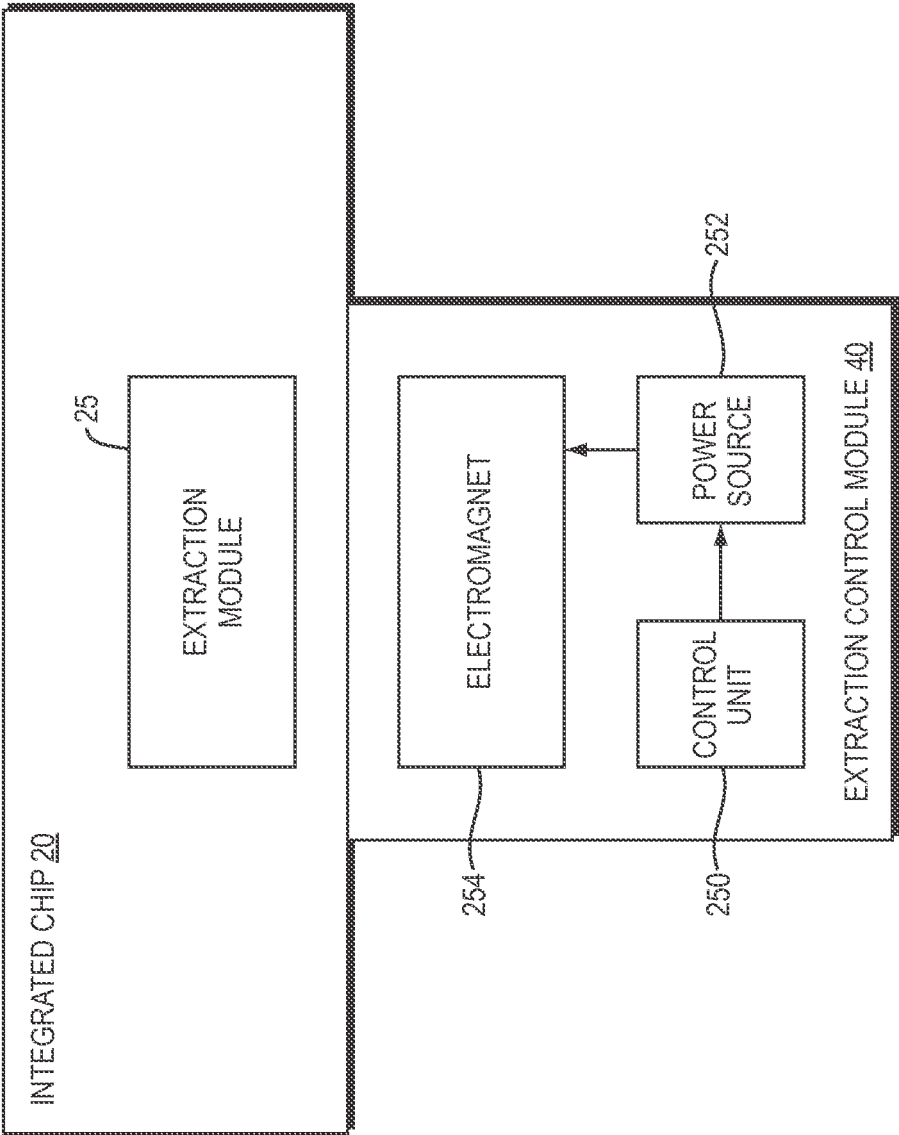


FIG. 2A

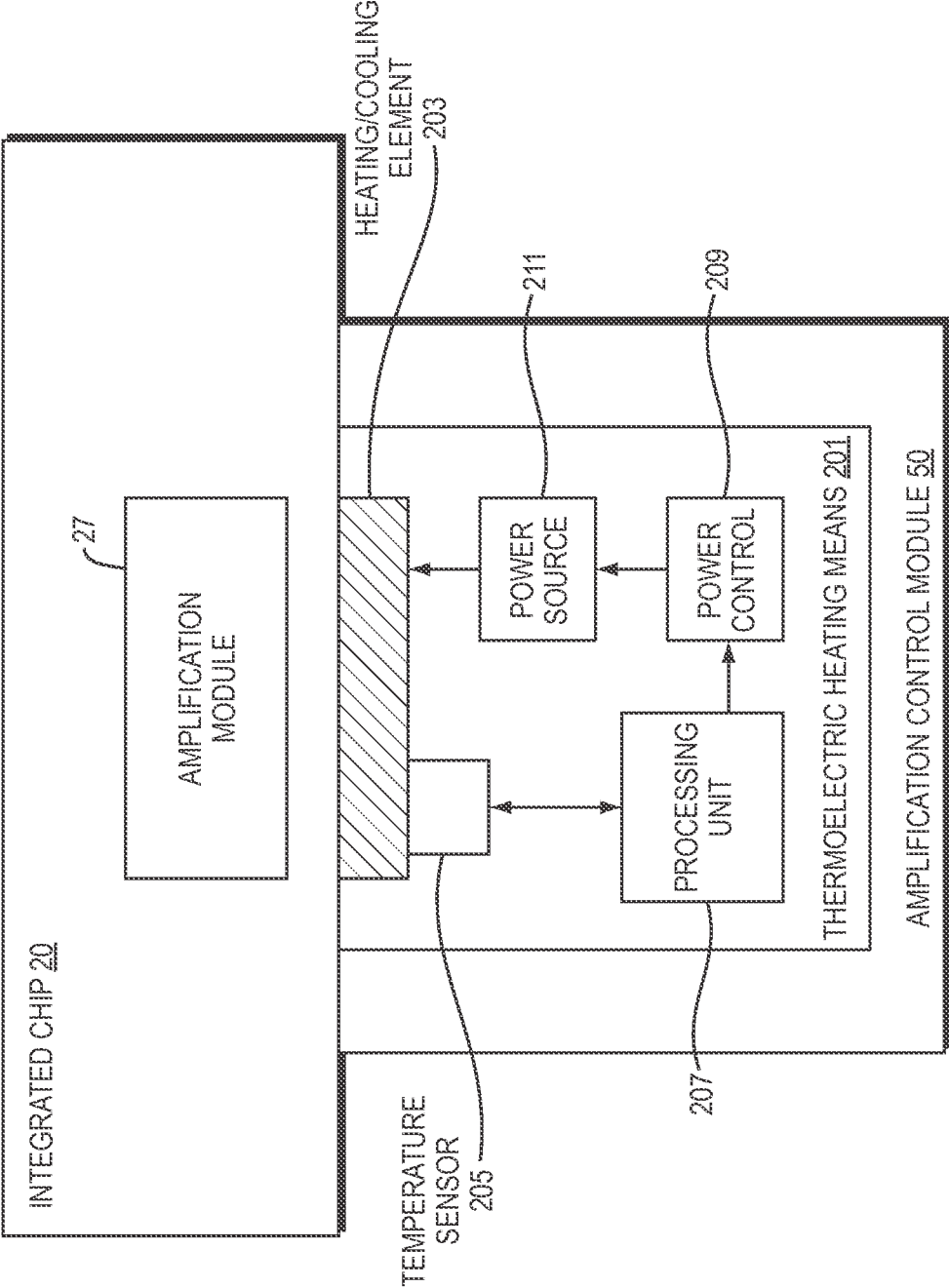
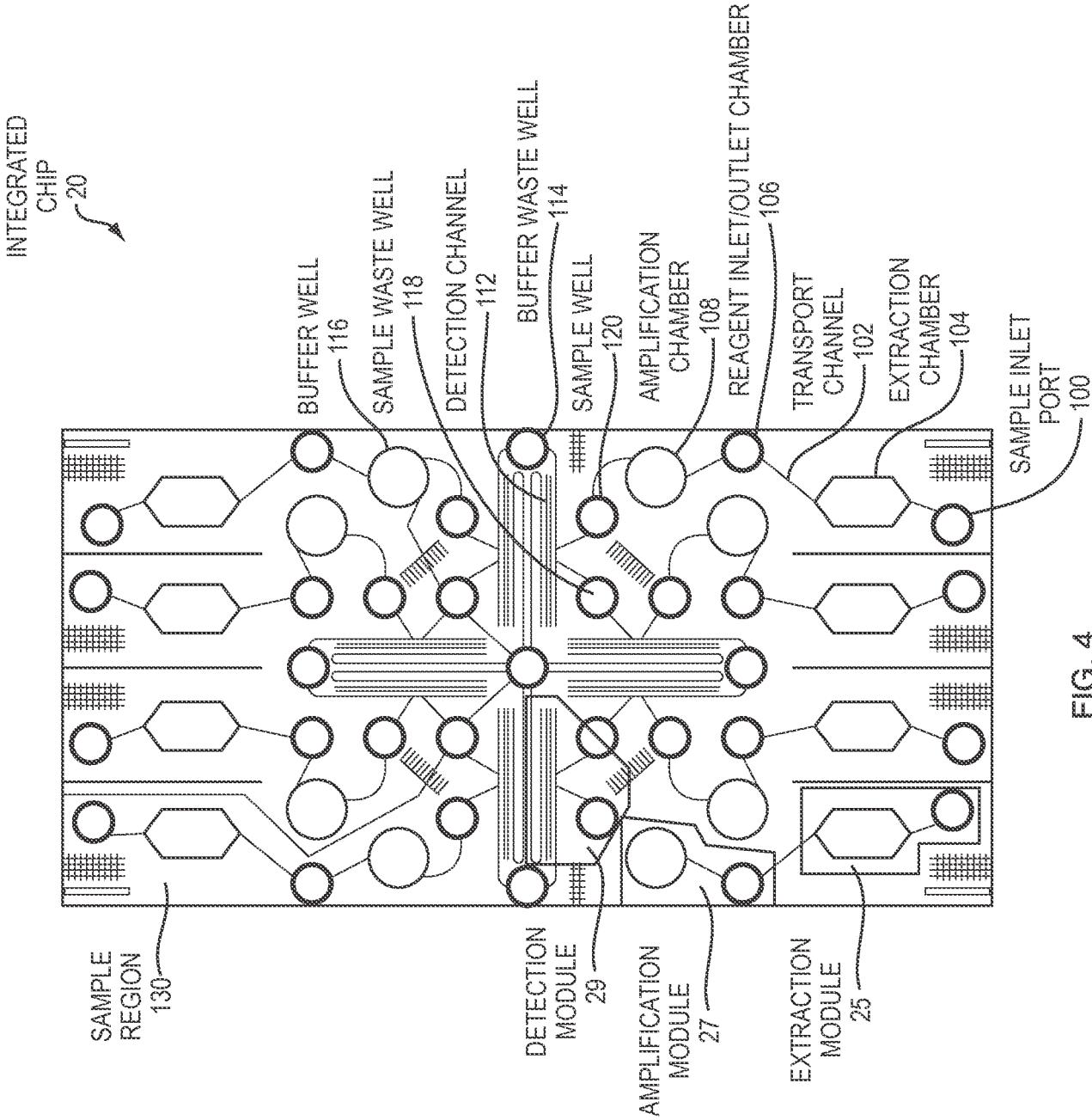


FIG. 2B

	40				50		60		70		
	EXTRACTION	AMPLIFICATION		DETECTION		DATA PROCESSING		SAMPLE-TO-ANSWER			
TIME	4 MIN.	4 MIN.		4 MIN.		5 MIN.		< 20 MIN.			
IMPLEMENTATION	35g INTEGRATED CHIP				25g APPLICATION-SPECIFIC INTEGRATED CIRCUIT		~60g CARTRIDGE				

FIG. 3



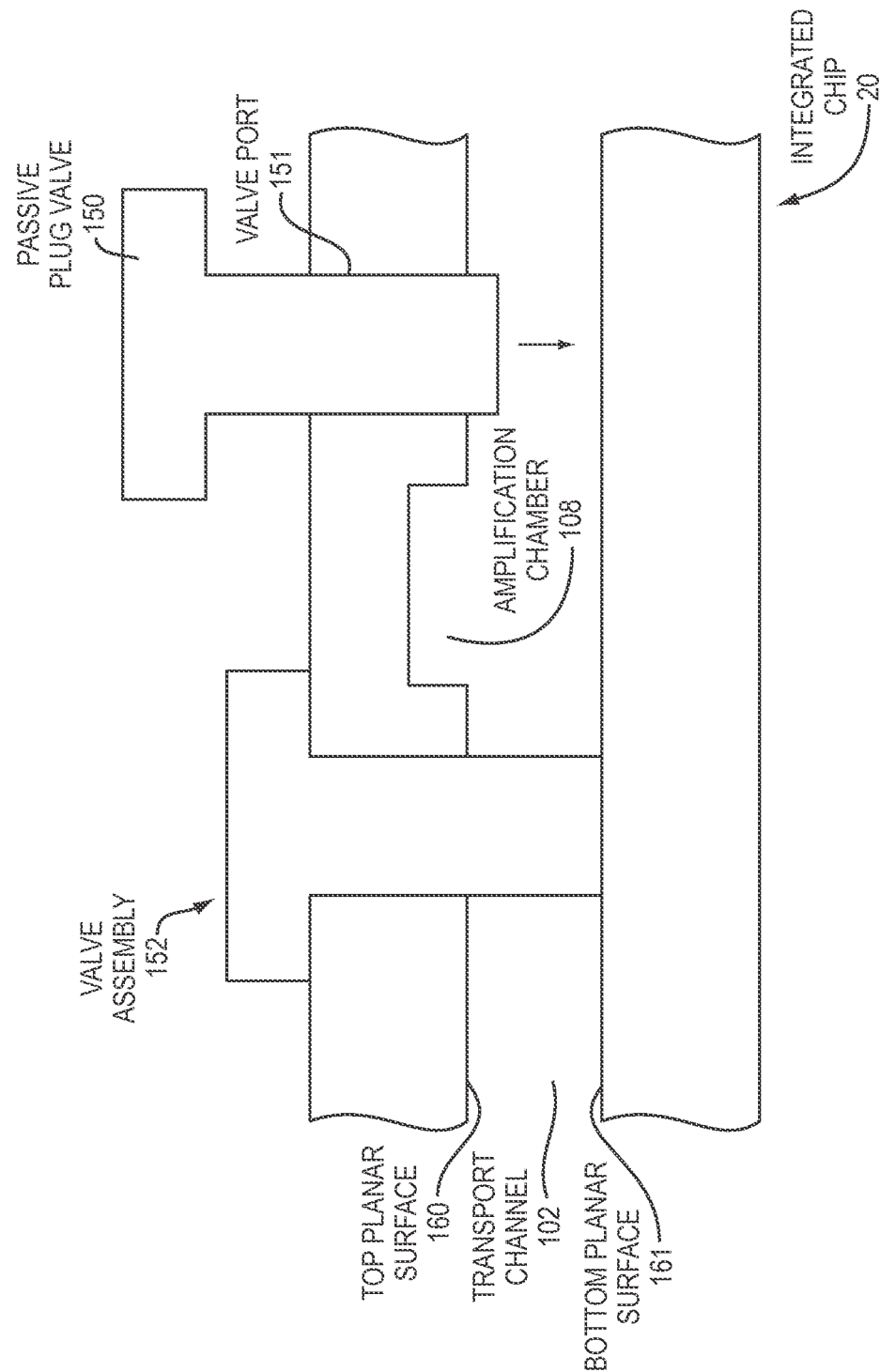


FIG. 5

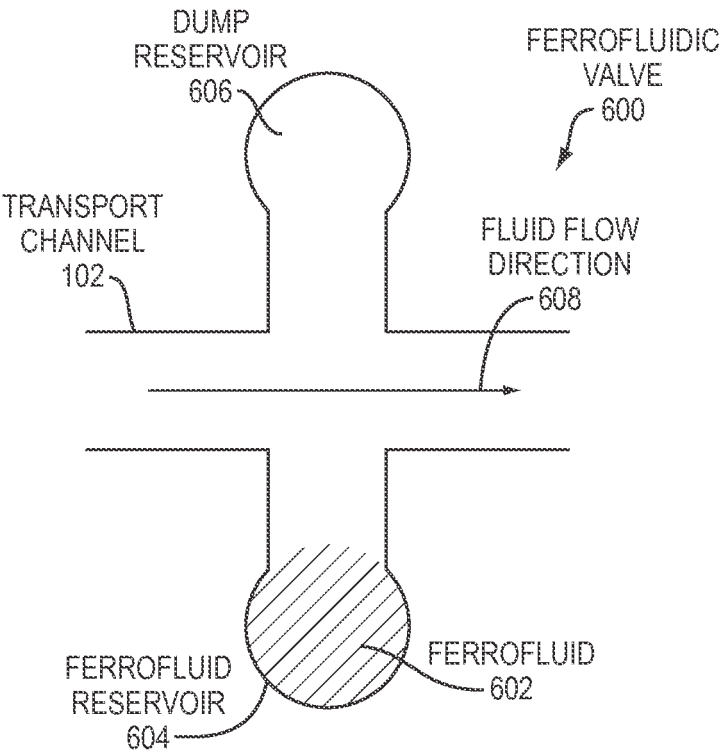


FIG. 6A

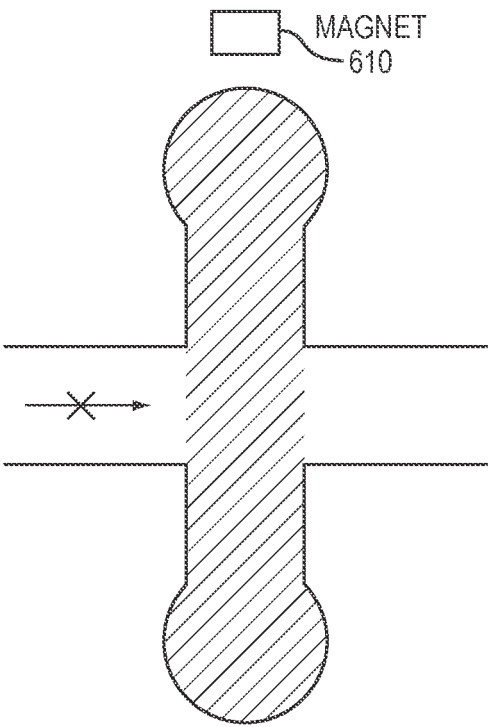
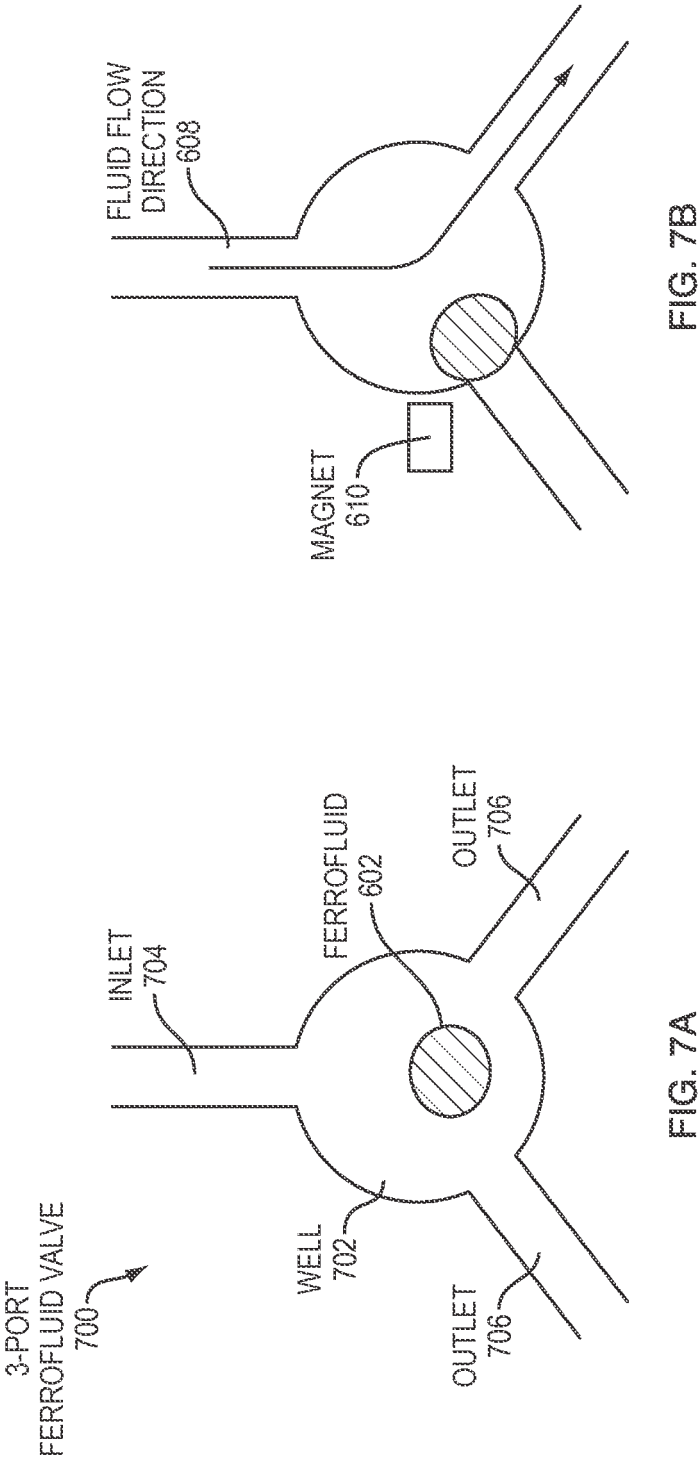


FIG. 6B



11/32

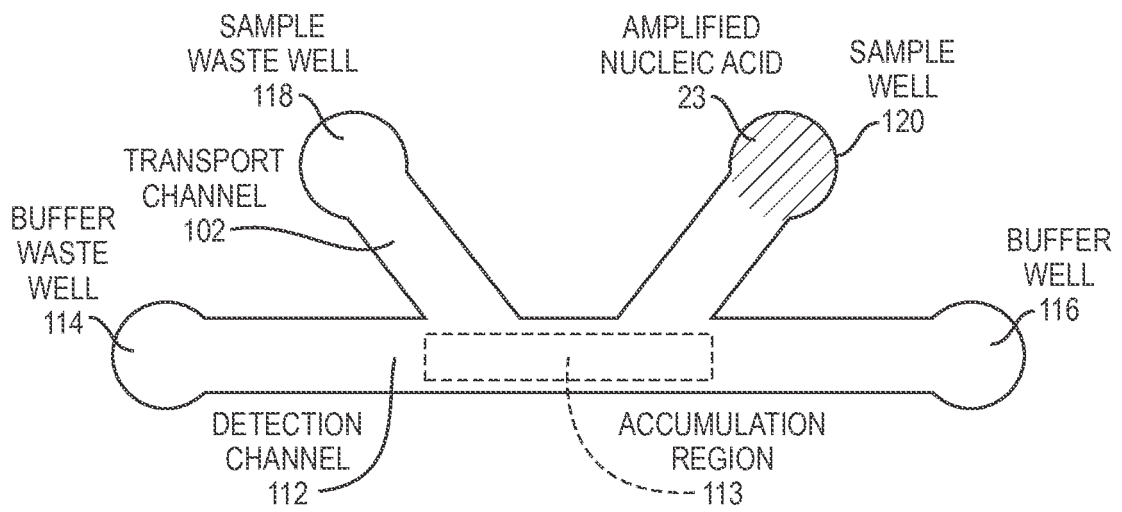


FIG. 8A

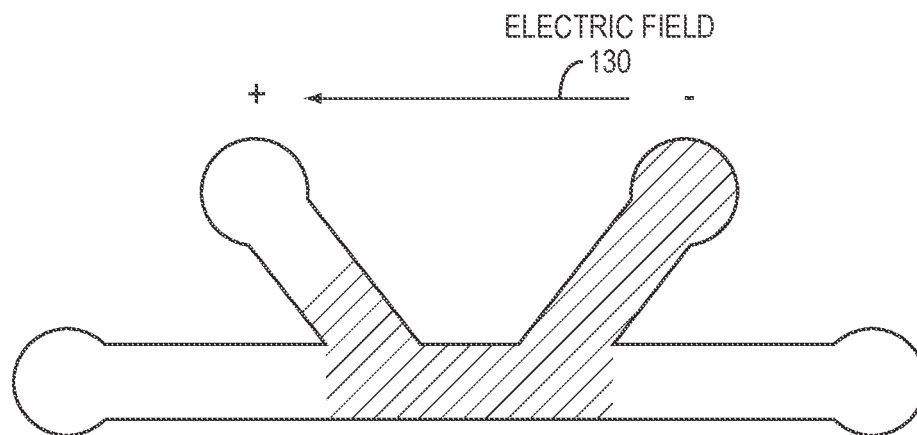


FIG. 8B

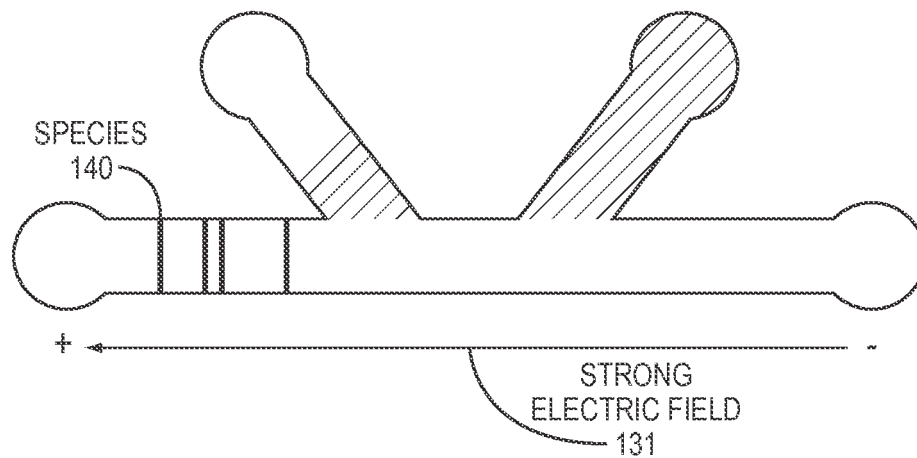


FIG. 8C

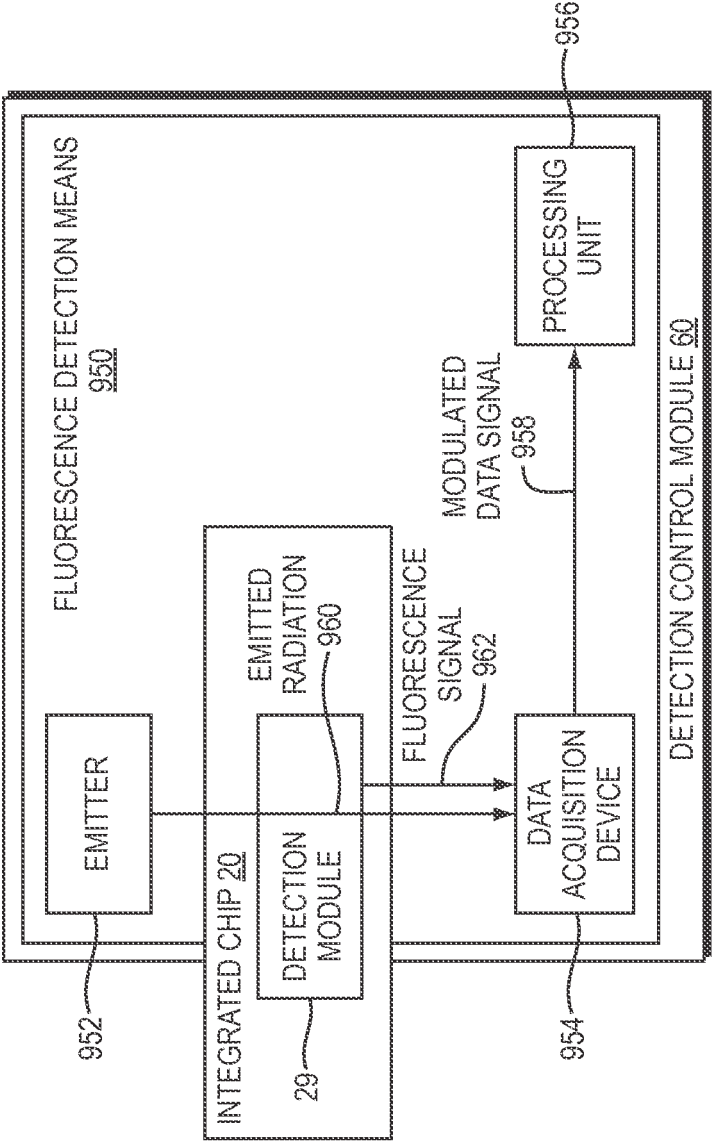


FIG. 9A

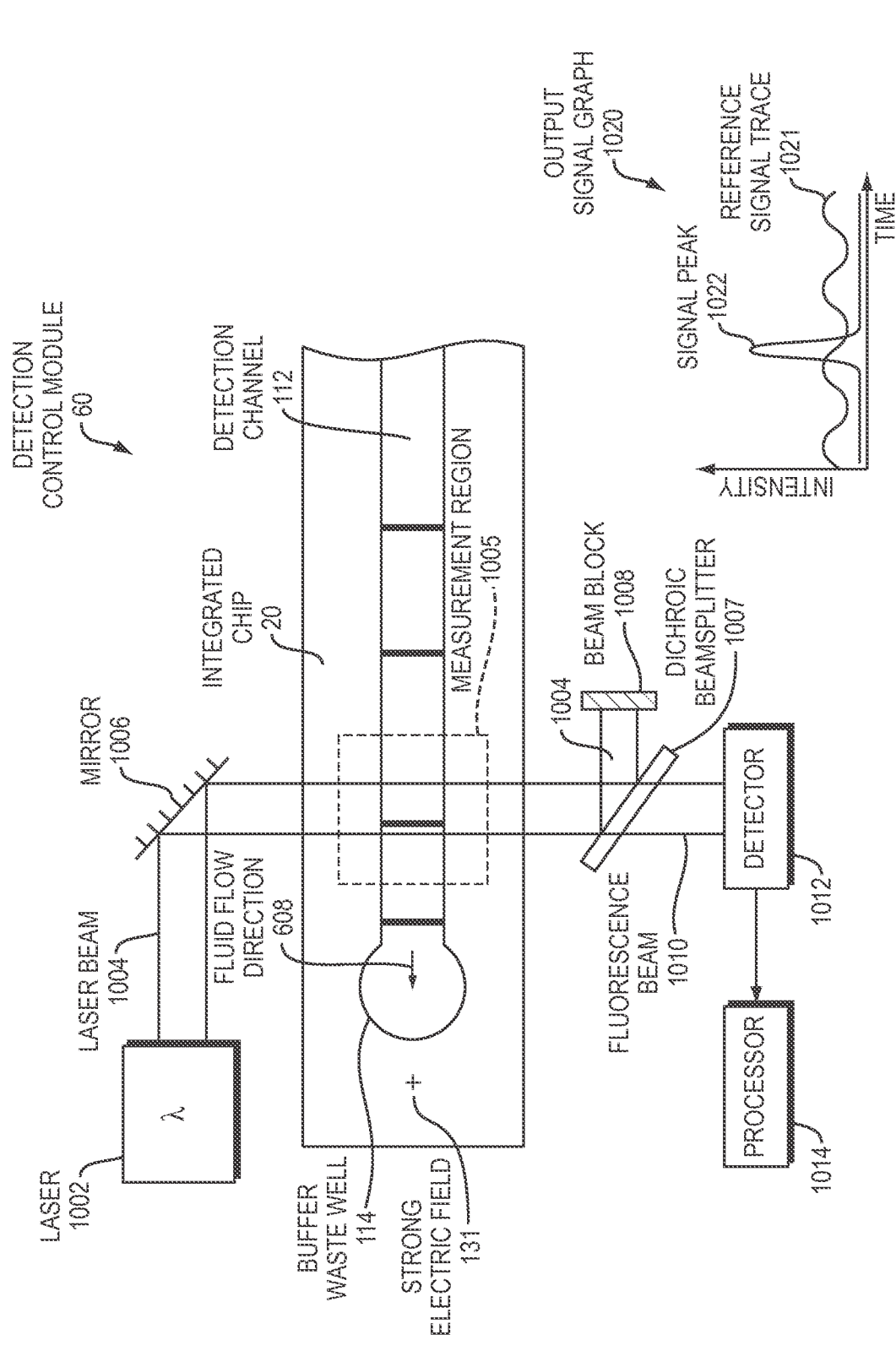


FIG. 9B

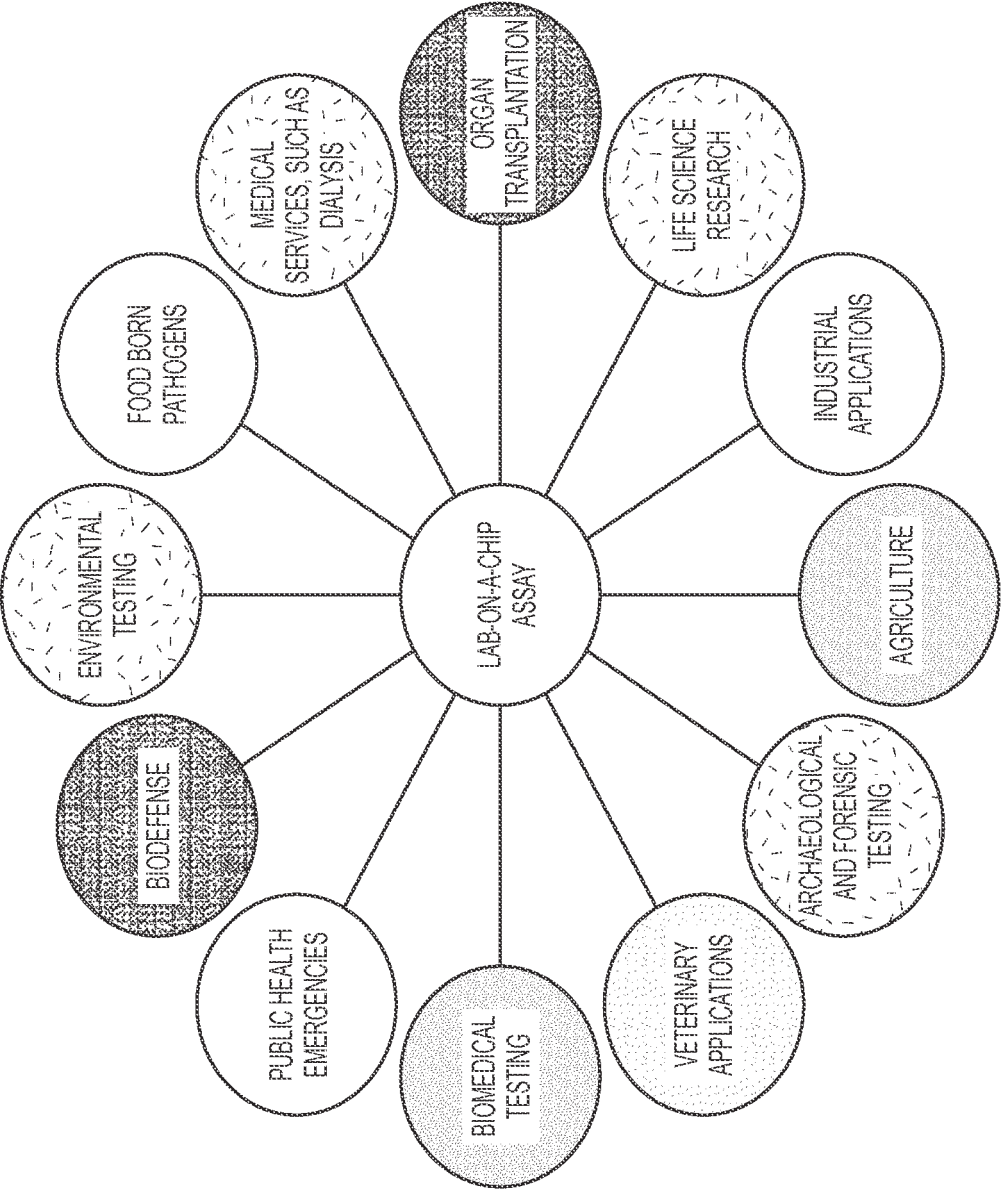


FIG. 10

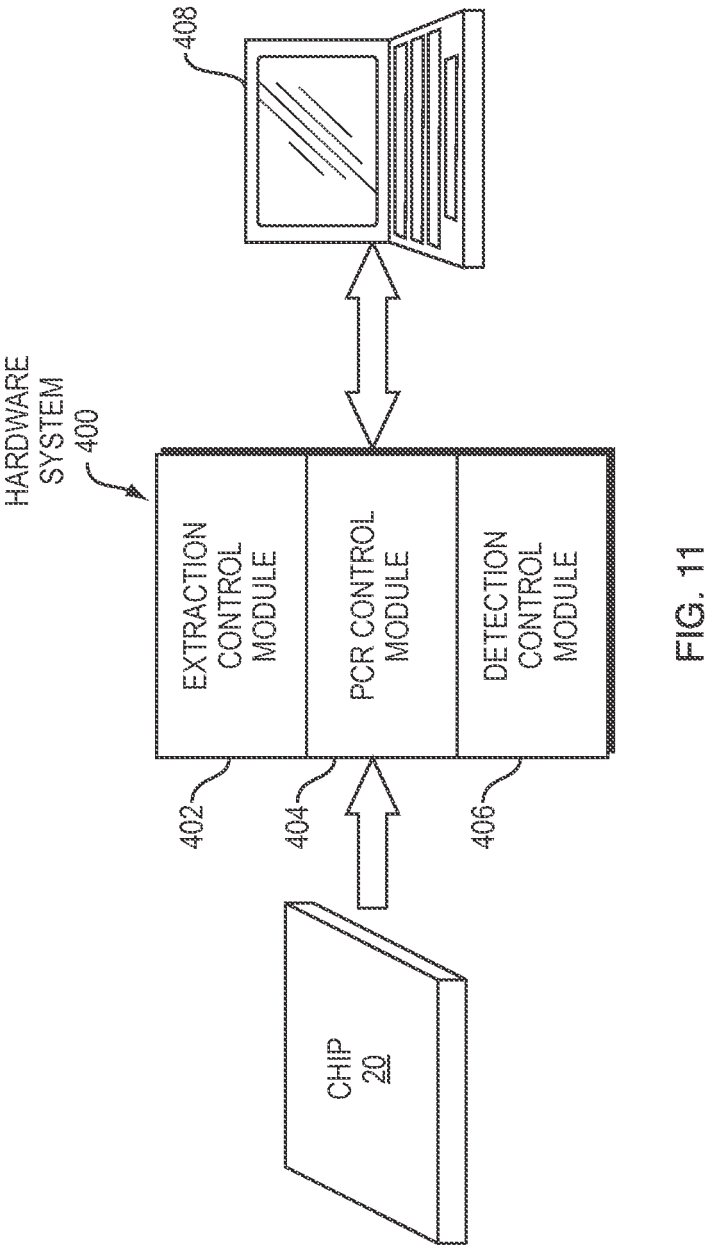


FIG. 11

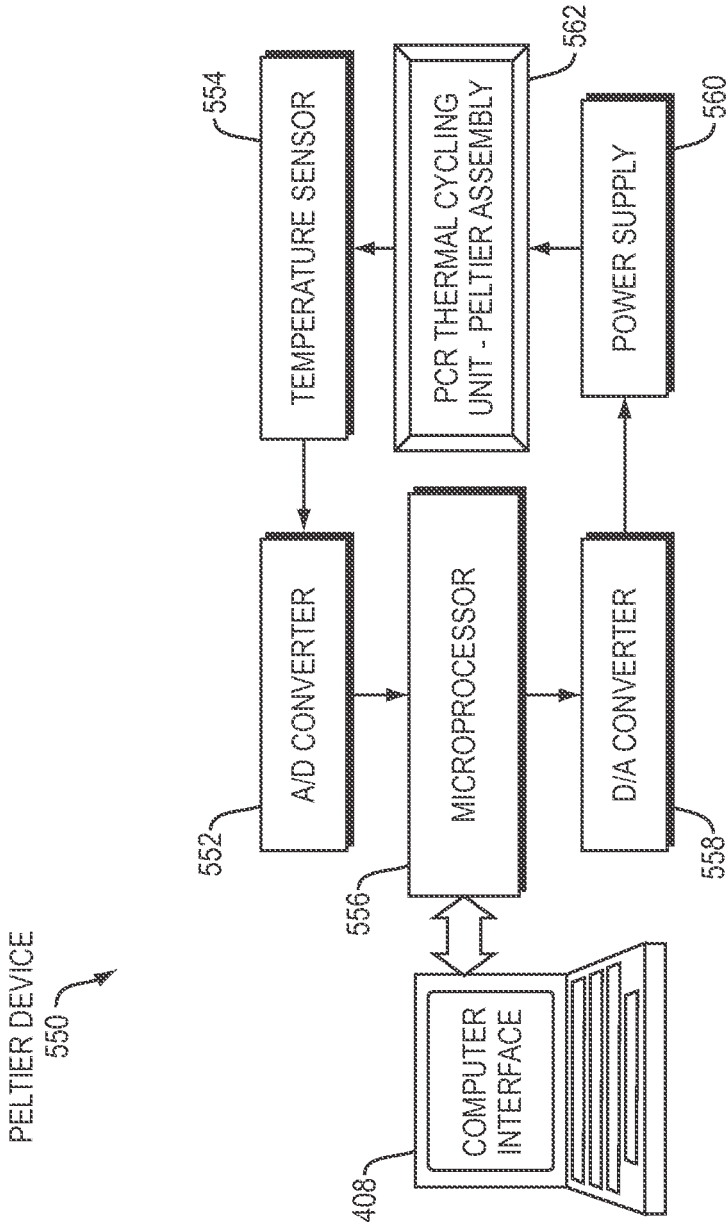


FIG. 12

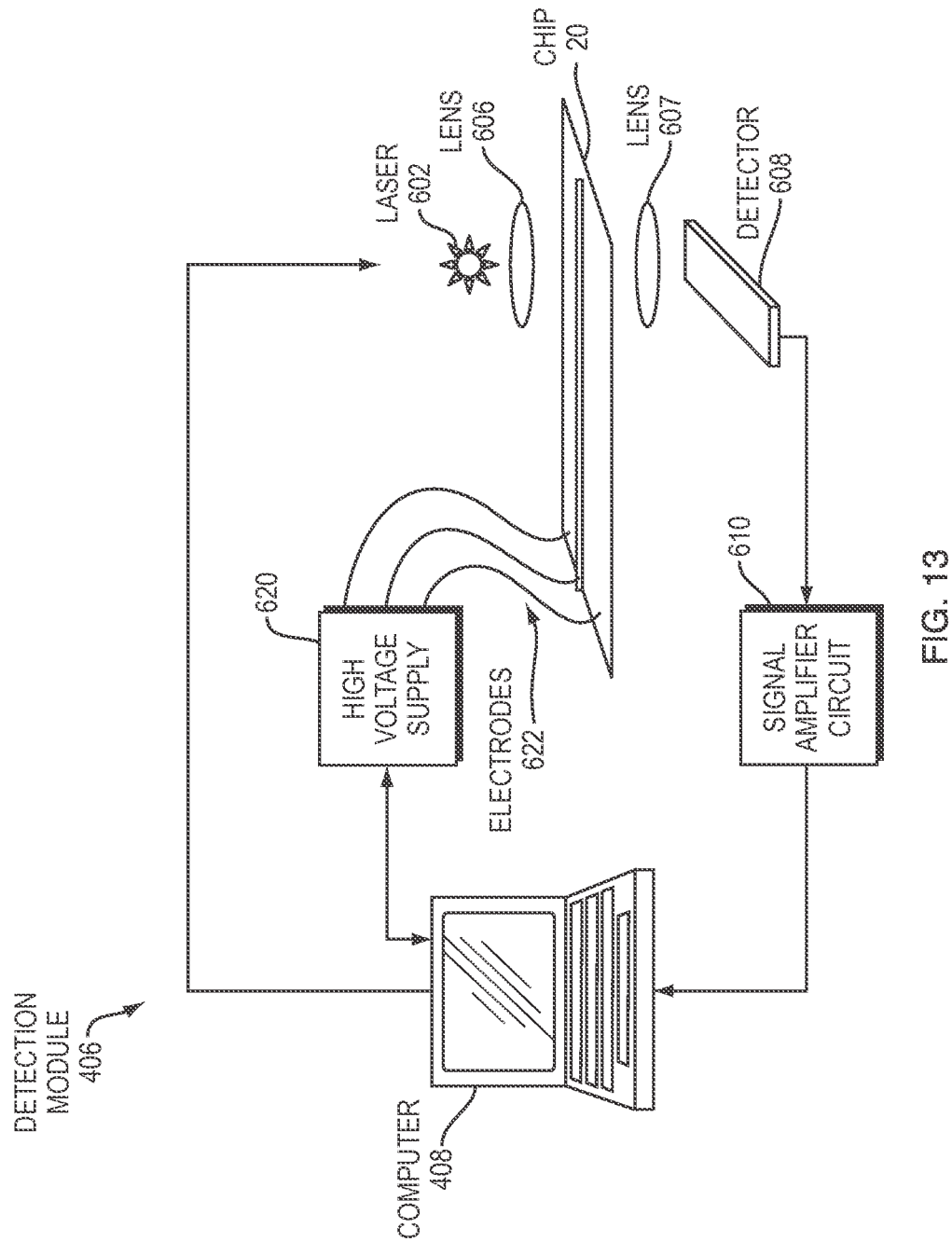
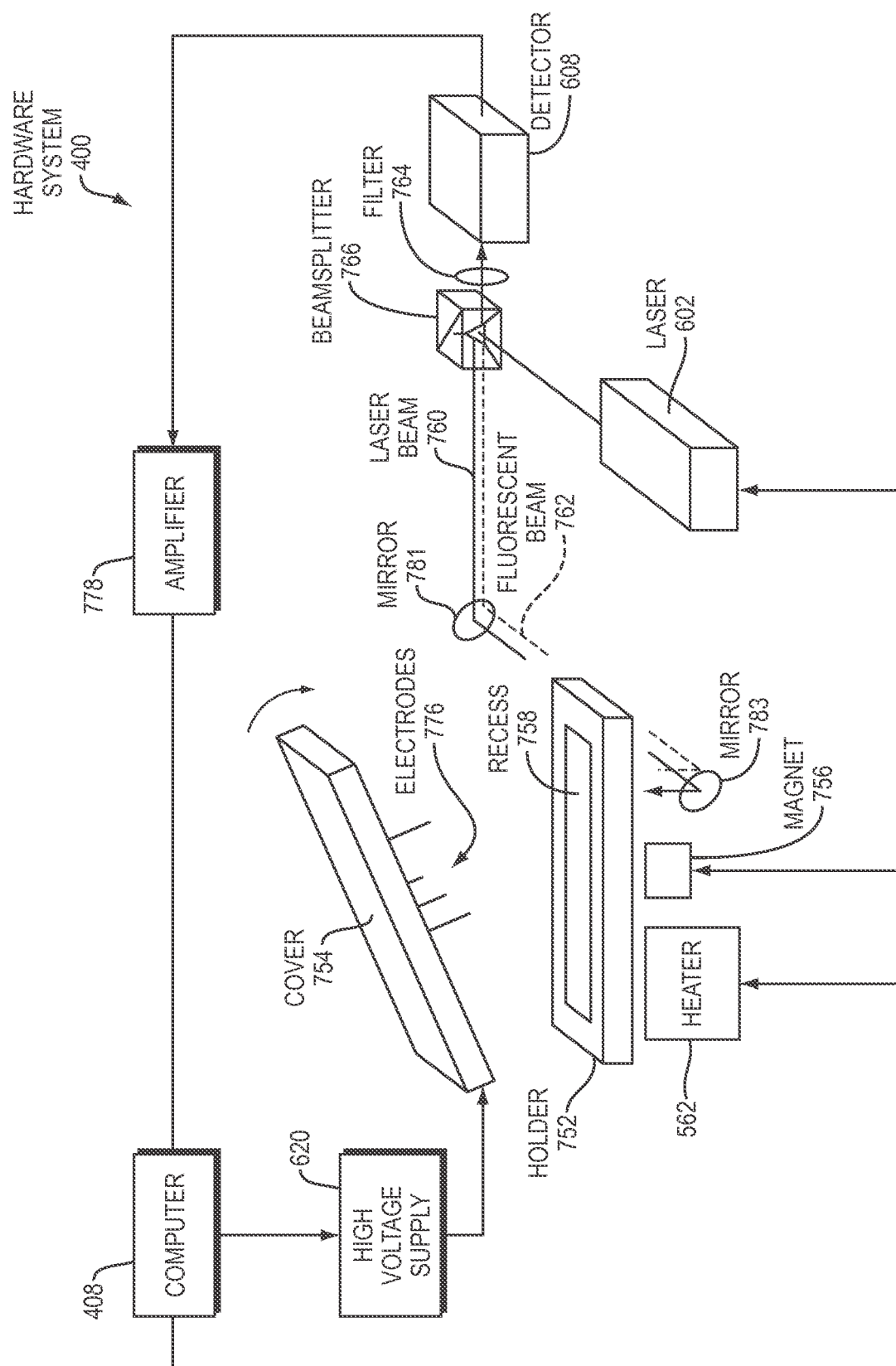


FIG. 13



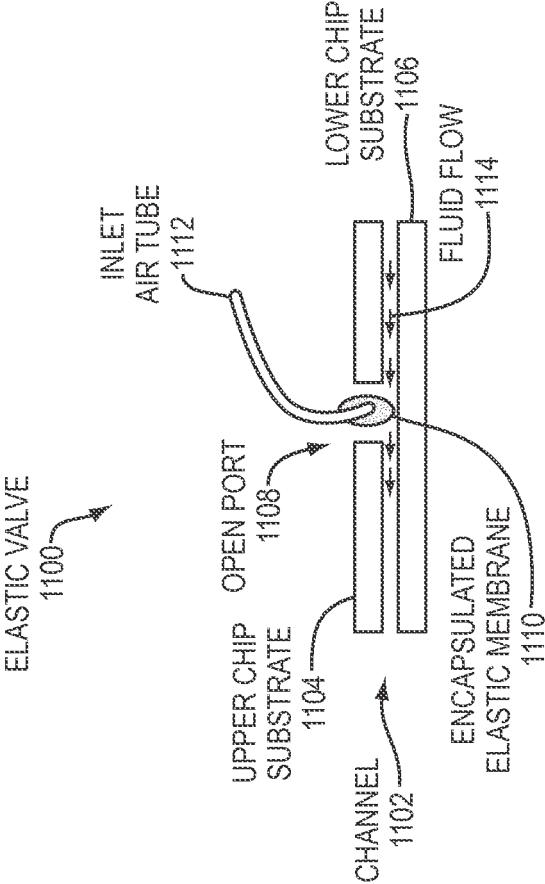


FIG. 15A

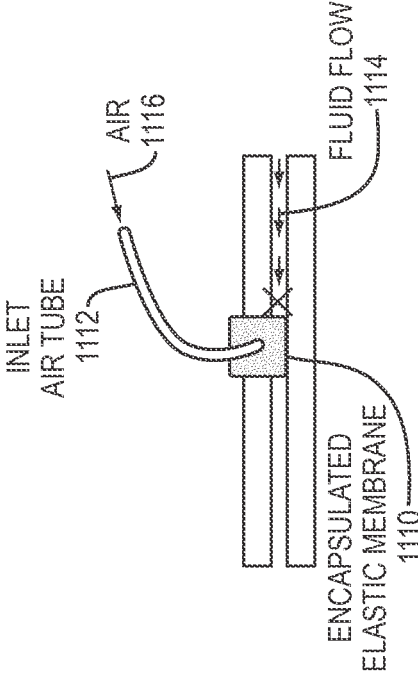


FIG. 15B

20/32

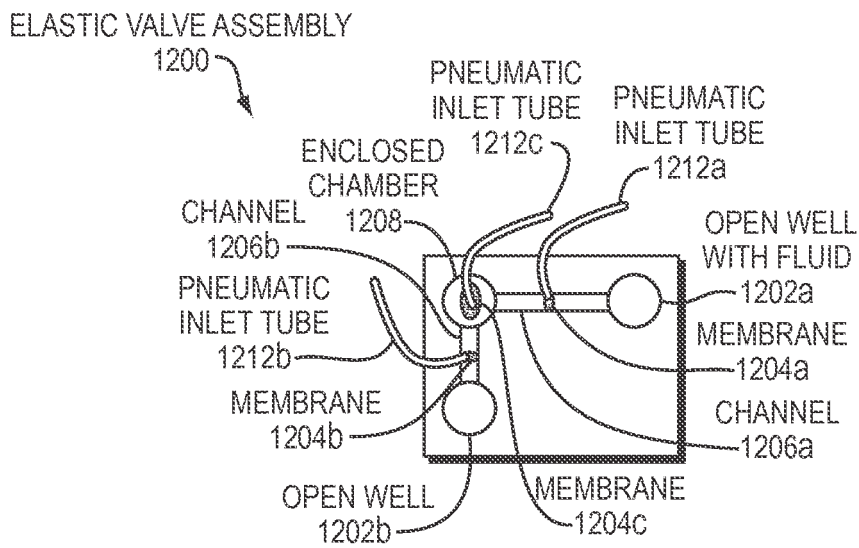


FIG. 16A

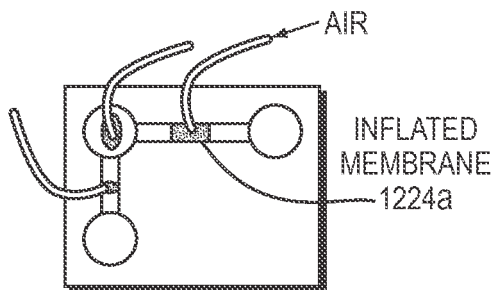


FIG. 16B

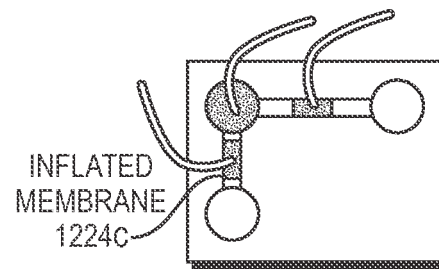


FIG. 16D

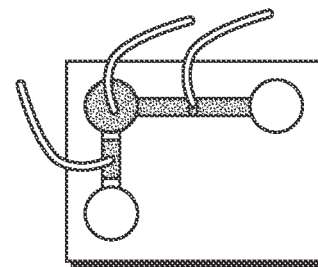


FIG. 16E

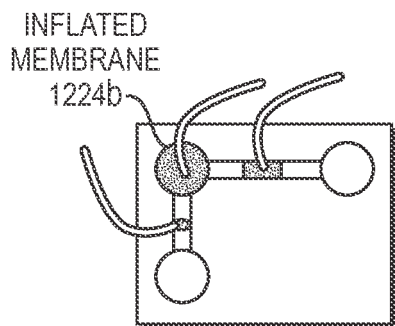


FIG. 16C

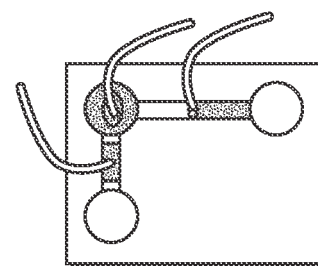


FIG. 16F

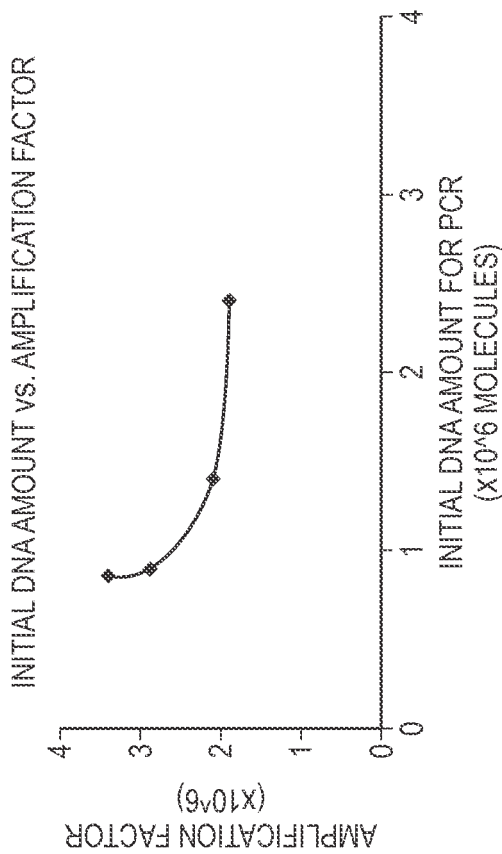


FIG. 17A

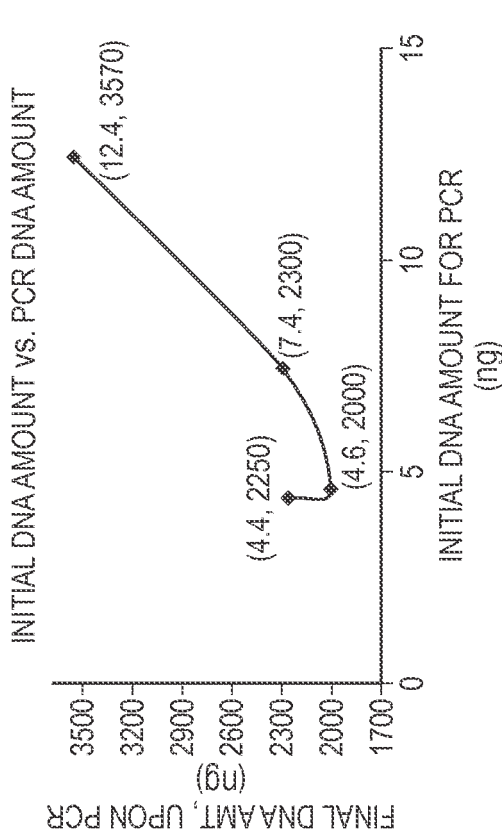


FIG. 17B

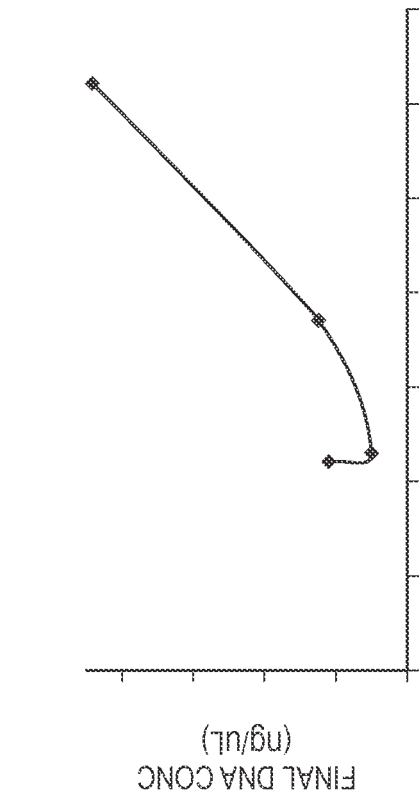


FIG. 17C

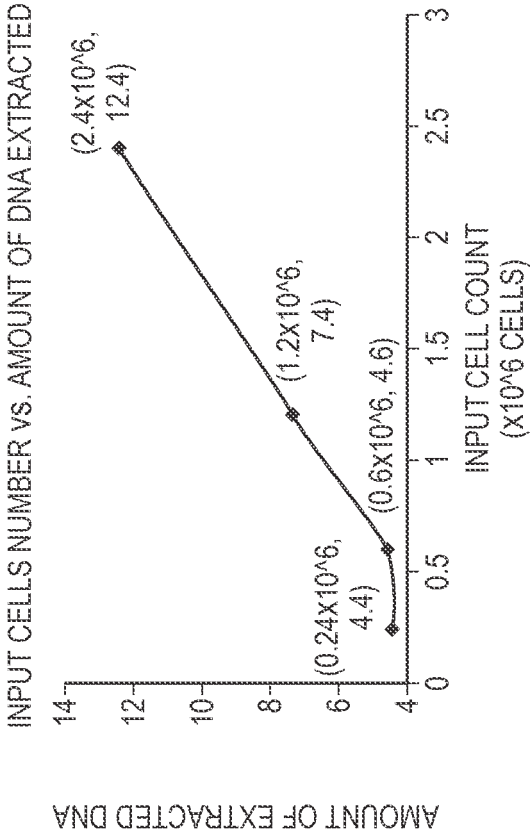


FIG. 17D

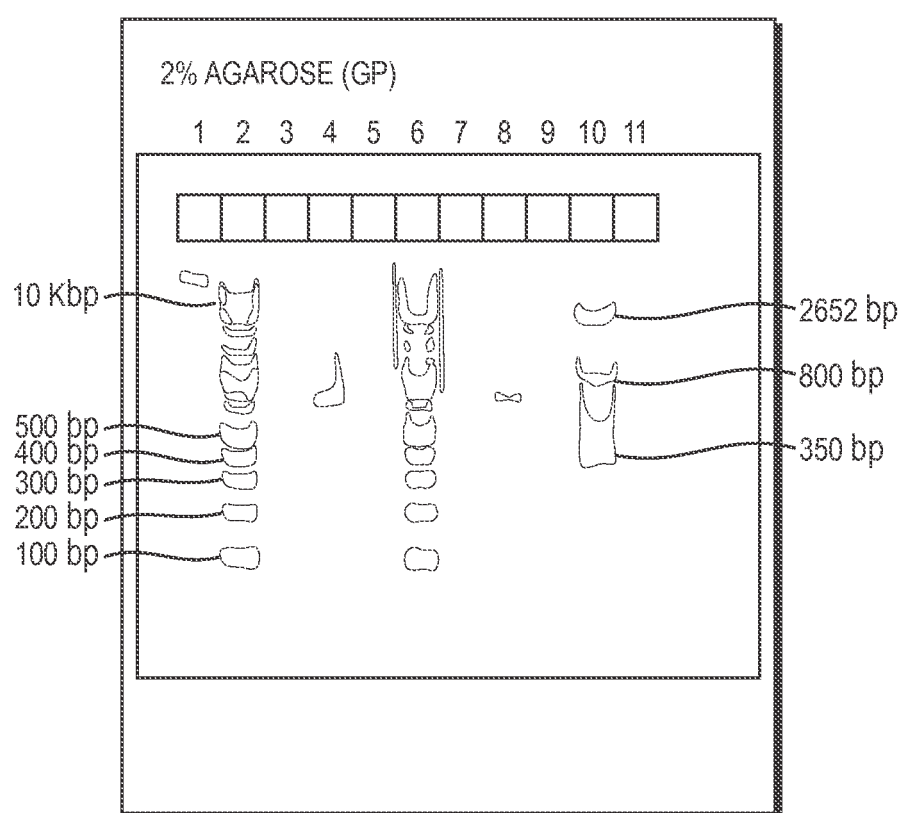


FIG. 18

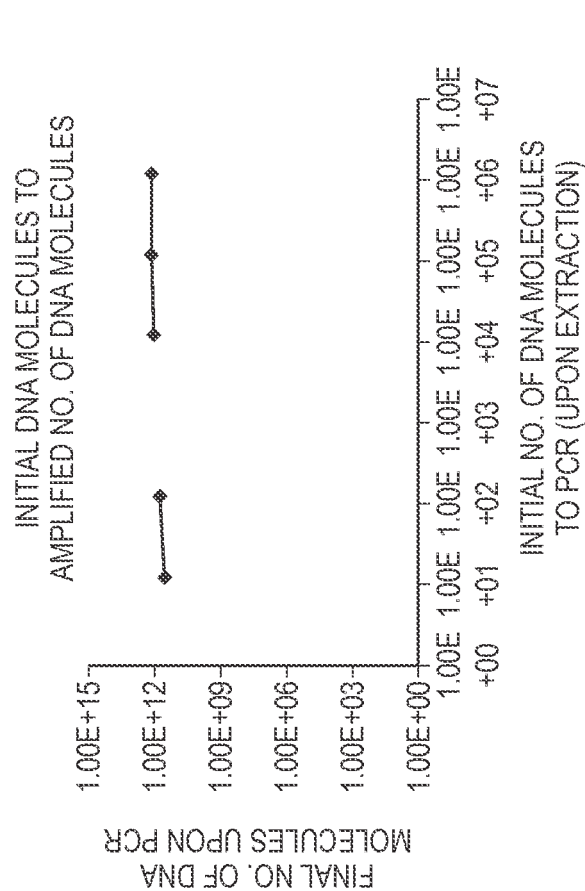


FIG. 19A

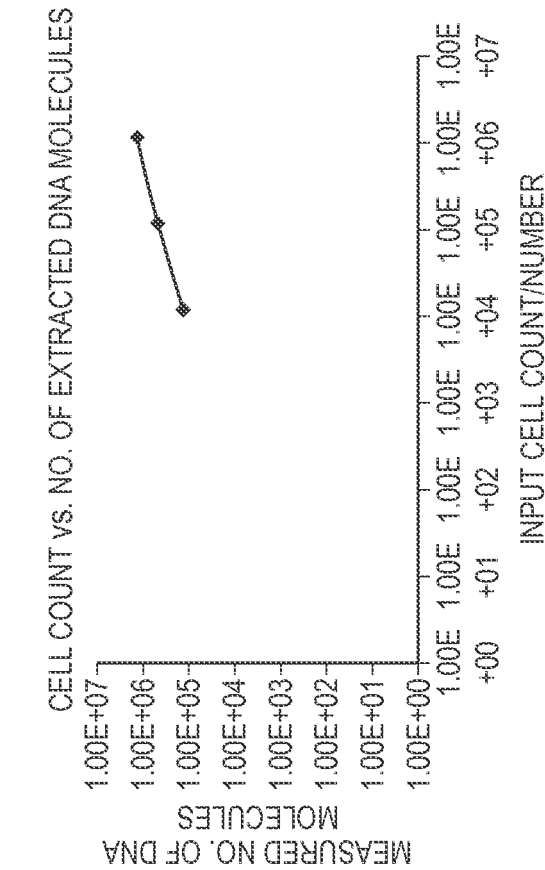


FIG. 19B

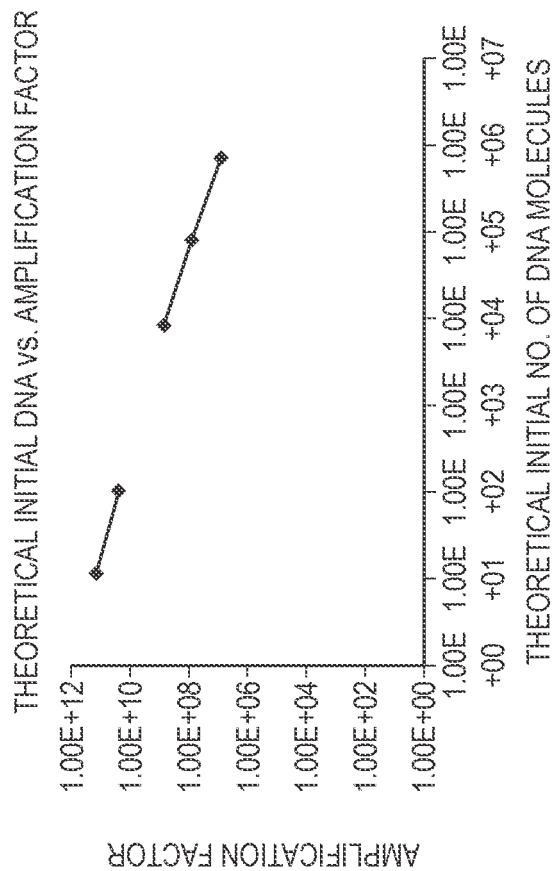


FIG. 19C

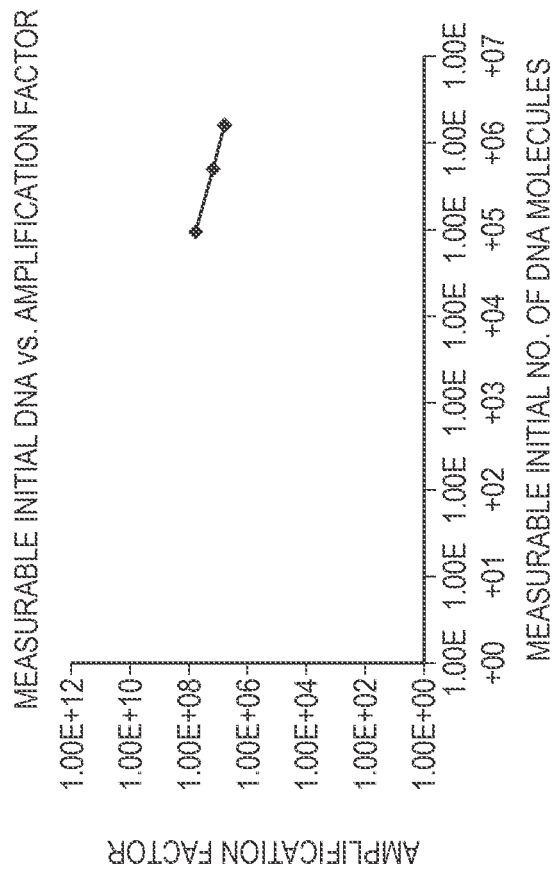


FIG. 19D

24/32

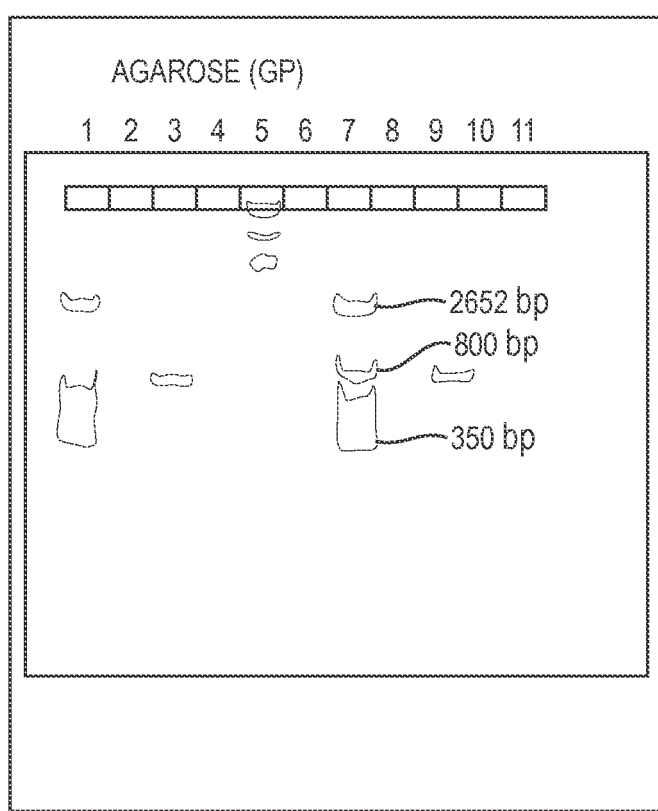


FIG. 20

25/32

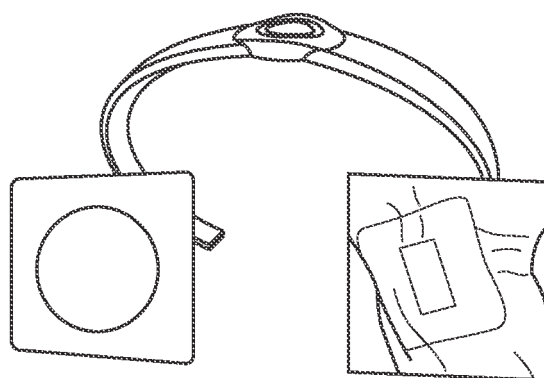
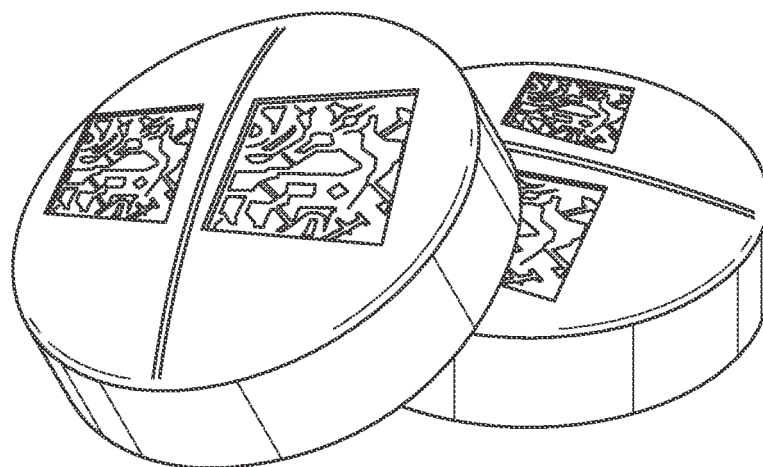


FIG. 21



v4.0
INGESTIBLES
INJECTABLES
IMPLANTABLES

FIG. 22

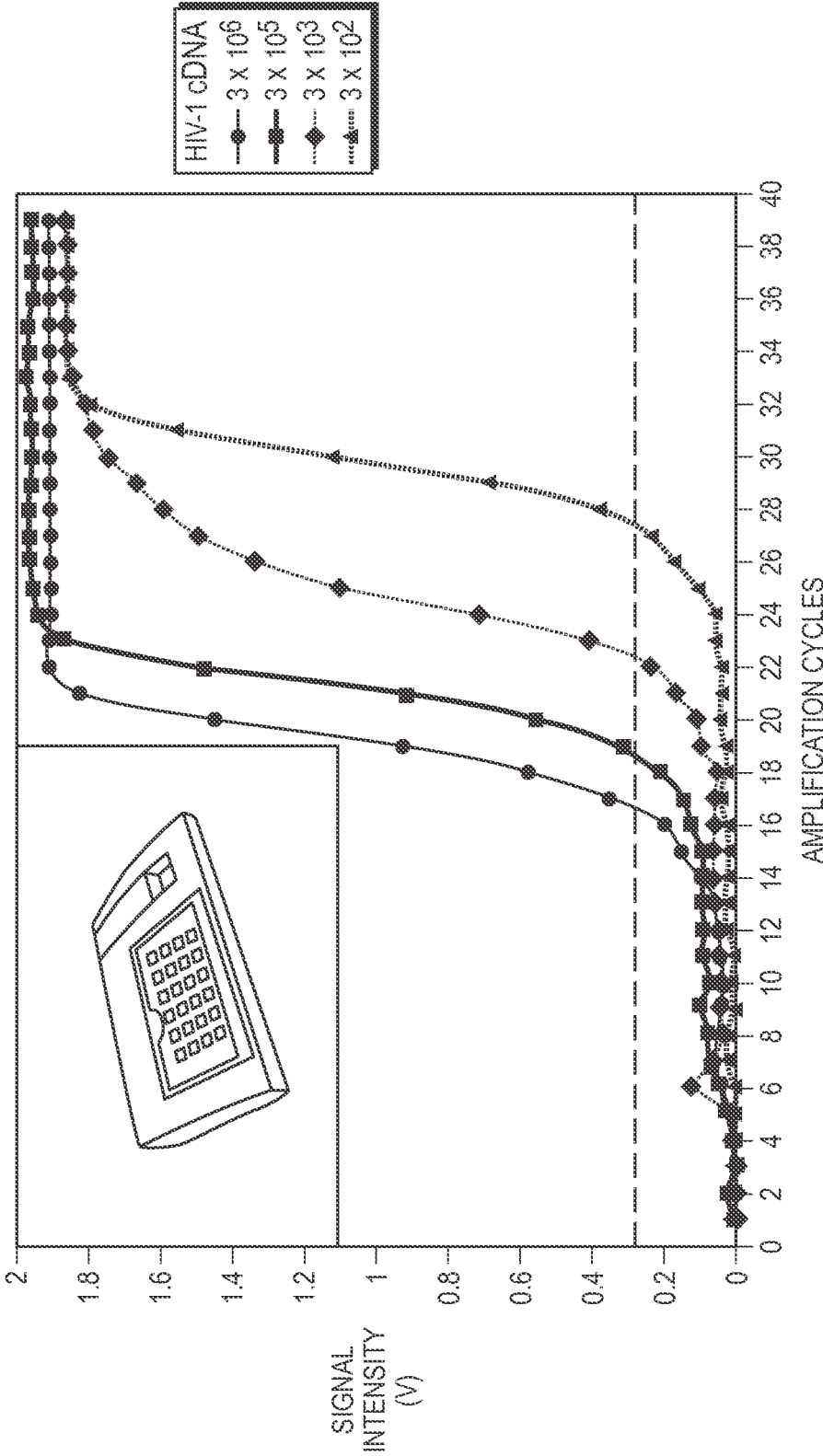


FIG. 23

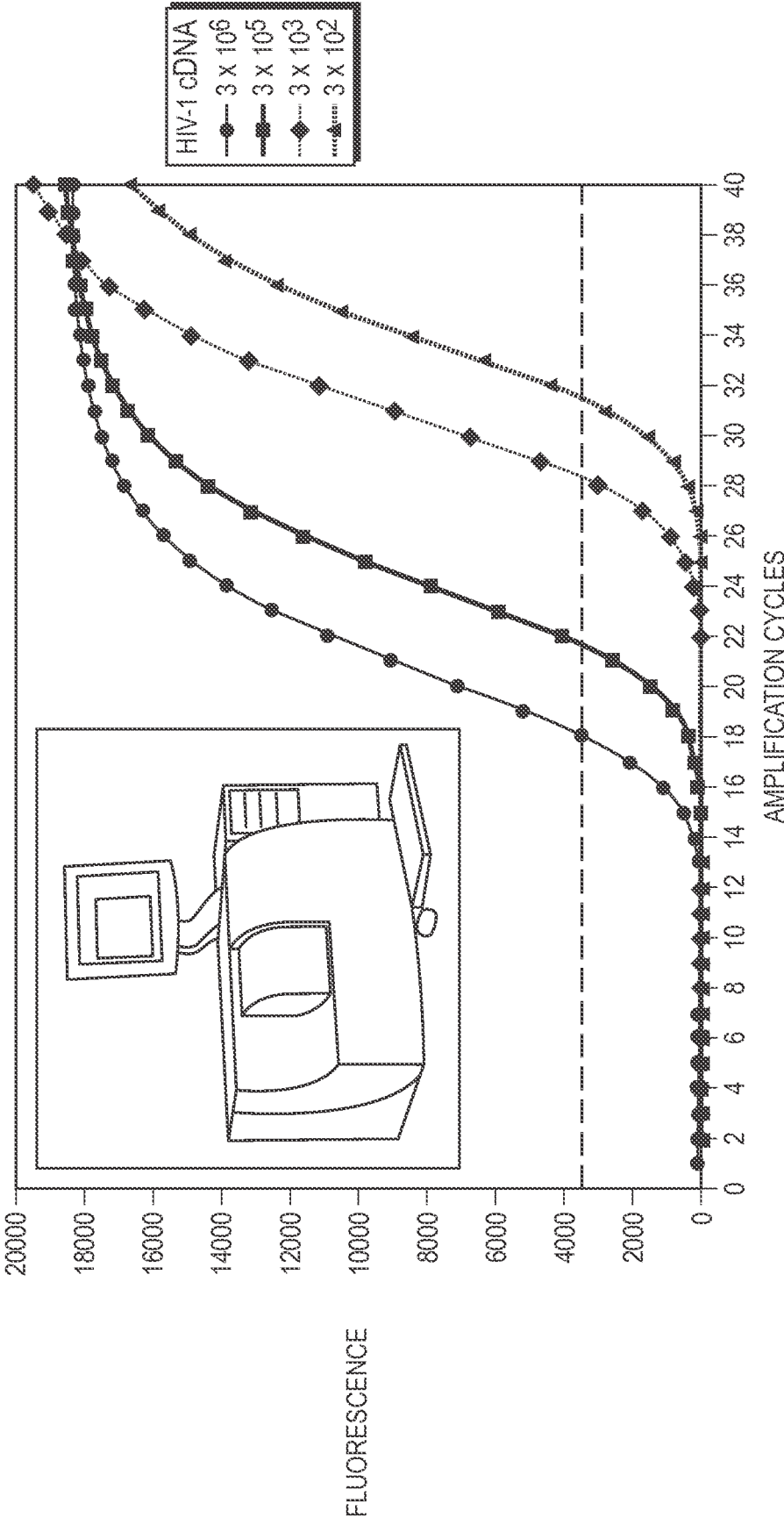


FIG. 24

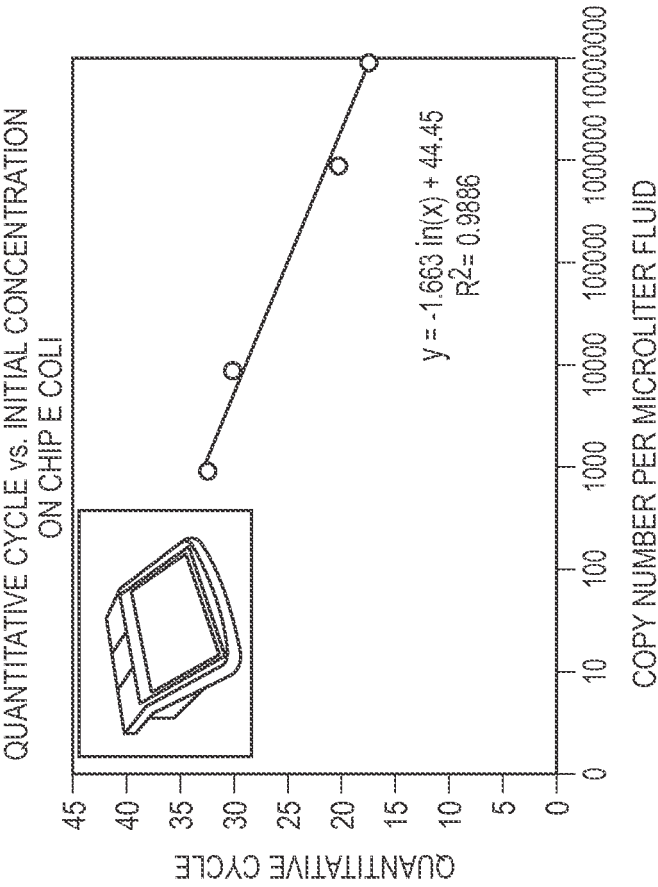


FIG. 25B

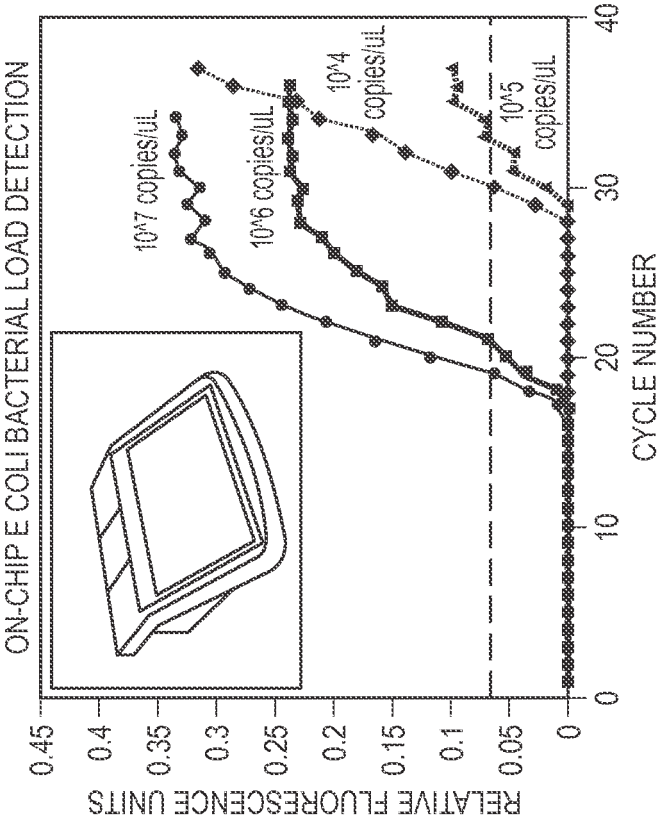


FIG. 25A

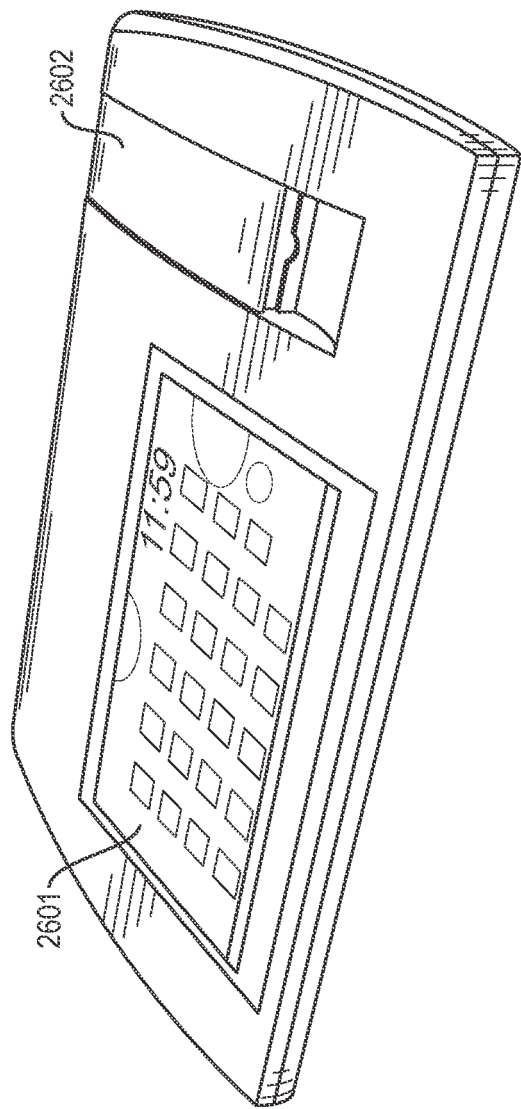


FIG. 26

30/32

Hs-CRP	ACUTE CORONARY SYNDROME
IL1b, IL-1Ra	ACUTE CORONARY SYNDROME, CONGESTIVE HEART FAILURE
IL6	CONGESTIVE HEART FAILURE, ATRIAL FIBRILLATION, CARDIOVASCULAR RISK
MCP-1, CCR1, CCR2	CORONARY ARTERY DISEASE, ACUTE CORONARY SYNDROME
THF-a	MYOCARDIAL INFRACTION
MMP-9, MMP-11	ACUTE CORONARY SYNDROME
E-selectin	ACUTE CORONARY SYNDROME, CORONARY ARTERY DISEASE
VCAM-I, ICAM1	CORONARY ARTERY DISEASE
sCD40L	ACUTE CORONARY SYNDROME

FIG. 27

31/32

Hs-CRP
THF-a
IL6, IL-8
PAI-1
IL2RA
MCP-1
Adiponectin
Insulin
Proinsulin
Leptin

FIG. 28

32/32

INFLAMMATION	IL-6, CRP, FIBRINOGEN, MYELOPEROXIDASE, NEOPTERIN, OSTEOPONTIN, MCP-1, ST-2, MMP-9
TISSUE DAMAGE	Hs TROPONIN I/T, NT-proBNP
METABOLIC	INSULIN, PROINSULIN, NEDFAS, ADIPONECTIN, LEPTIN, HBA1c, GLUCOSE
RENAL	eGFR, CYSTATIN-C
LIPOPROTEINS	APOLIPOPROTEINS AI, B, LpP LA2, sPLA2, PAROXONASE, Lp(a)
NUTRITIONAL	HOMOCYSTEINE, N-3 FATTY ACIDS, VITAMIN D
ENDOTHELIAL	ADMA, t-PA, CAMS, VWF
THROMBOTIC	FIBRIN D-DIMER, PLASMA VISCOSITY
OXIDATION	TELOMERES, oxLDL

FIG. 29