

FIG. 1

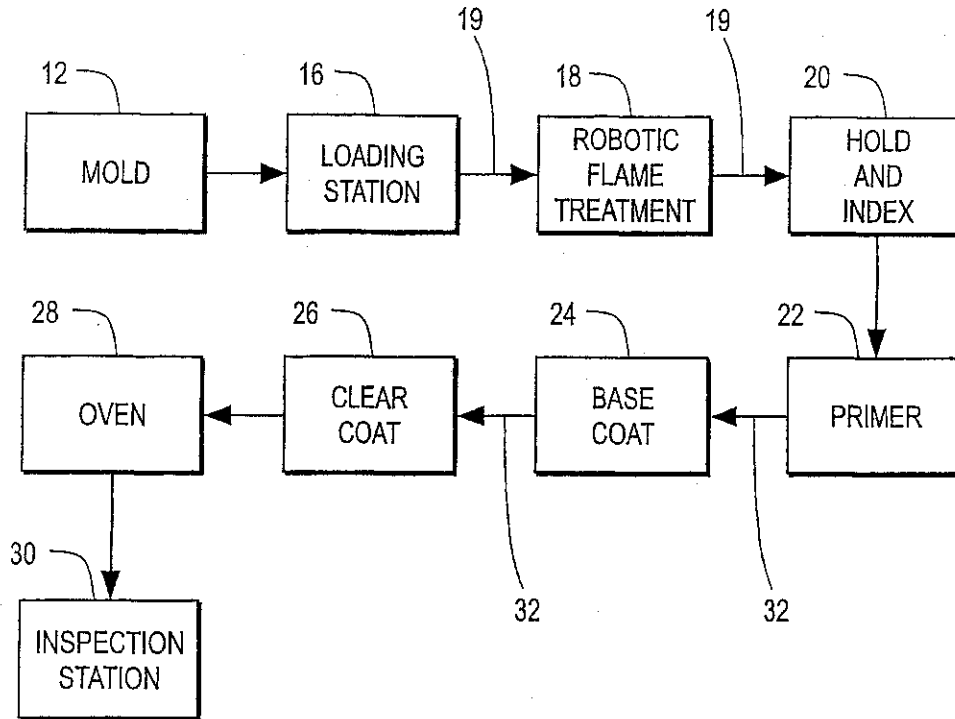


FIG. 2

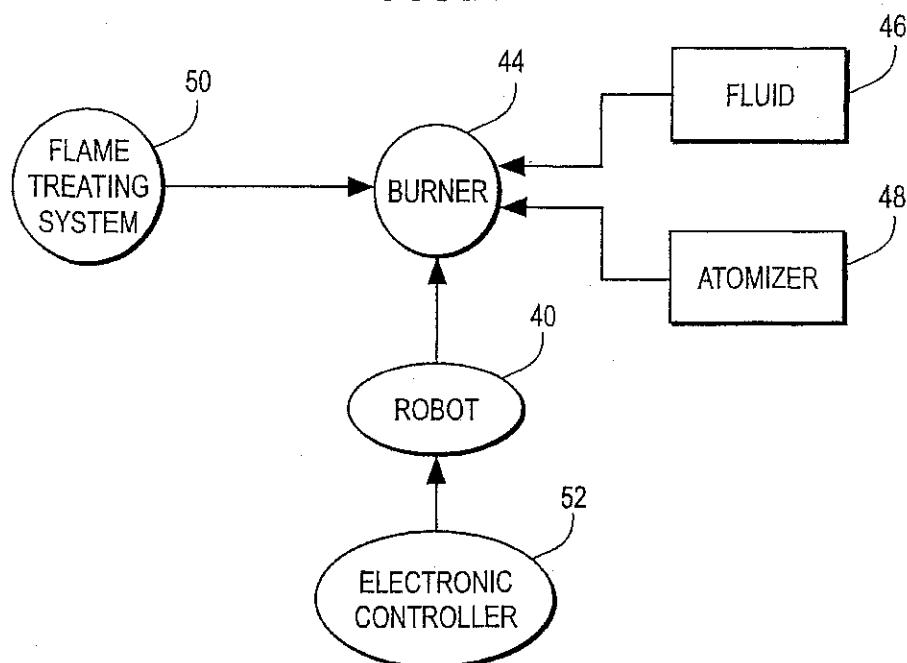


FIG. 3A
PRIOR ART

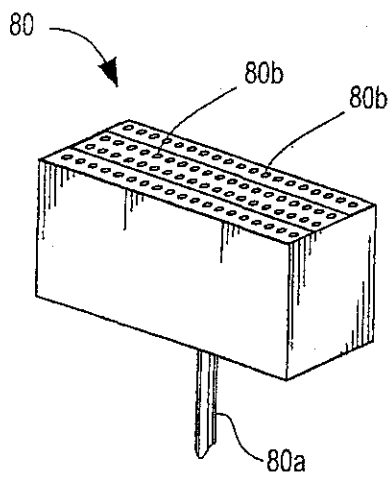
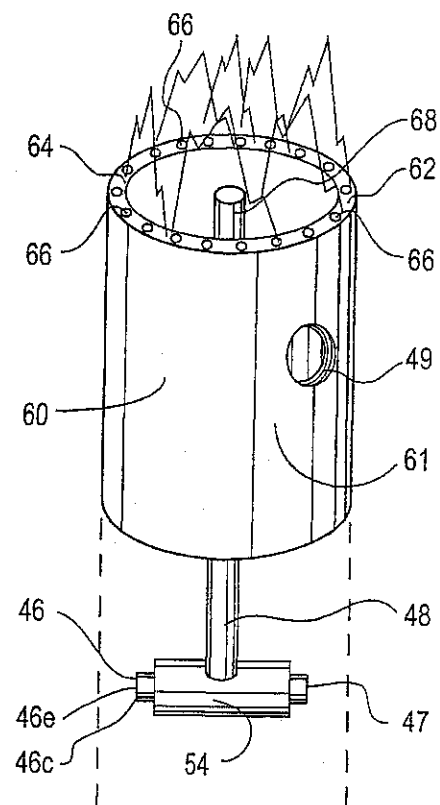


FIG. 3B



2 2 SEP 2005

3/26

FIG. 3C

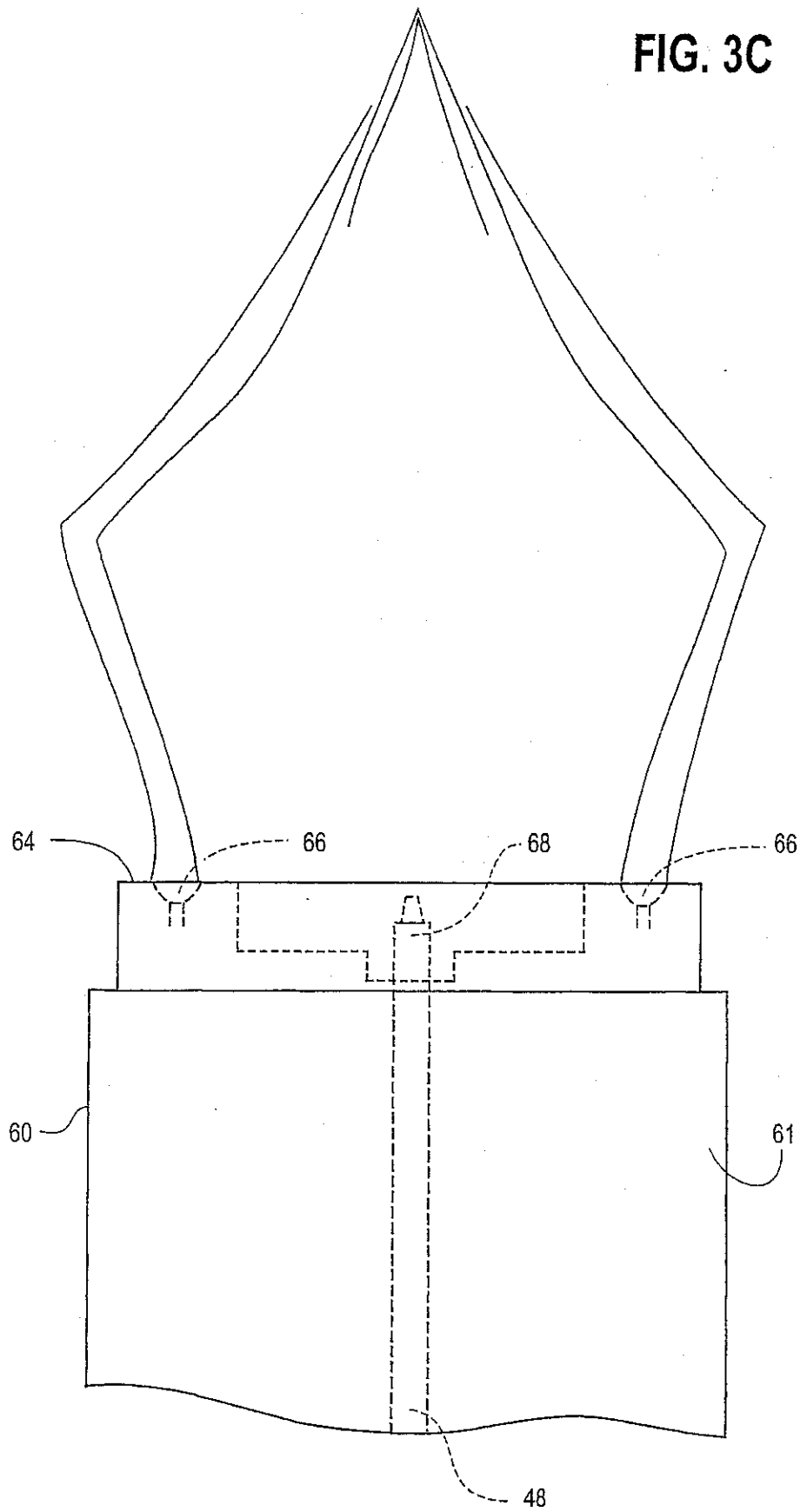
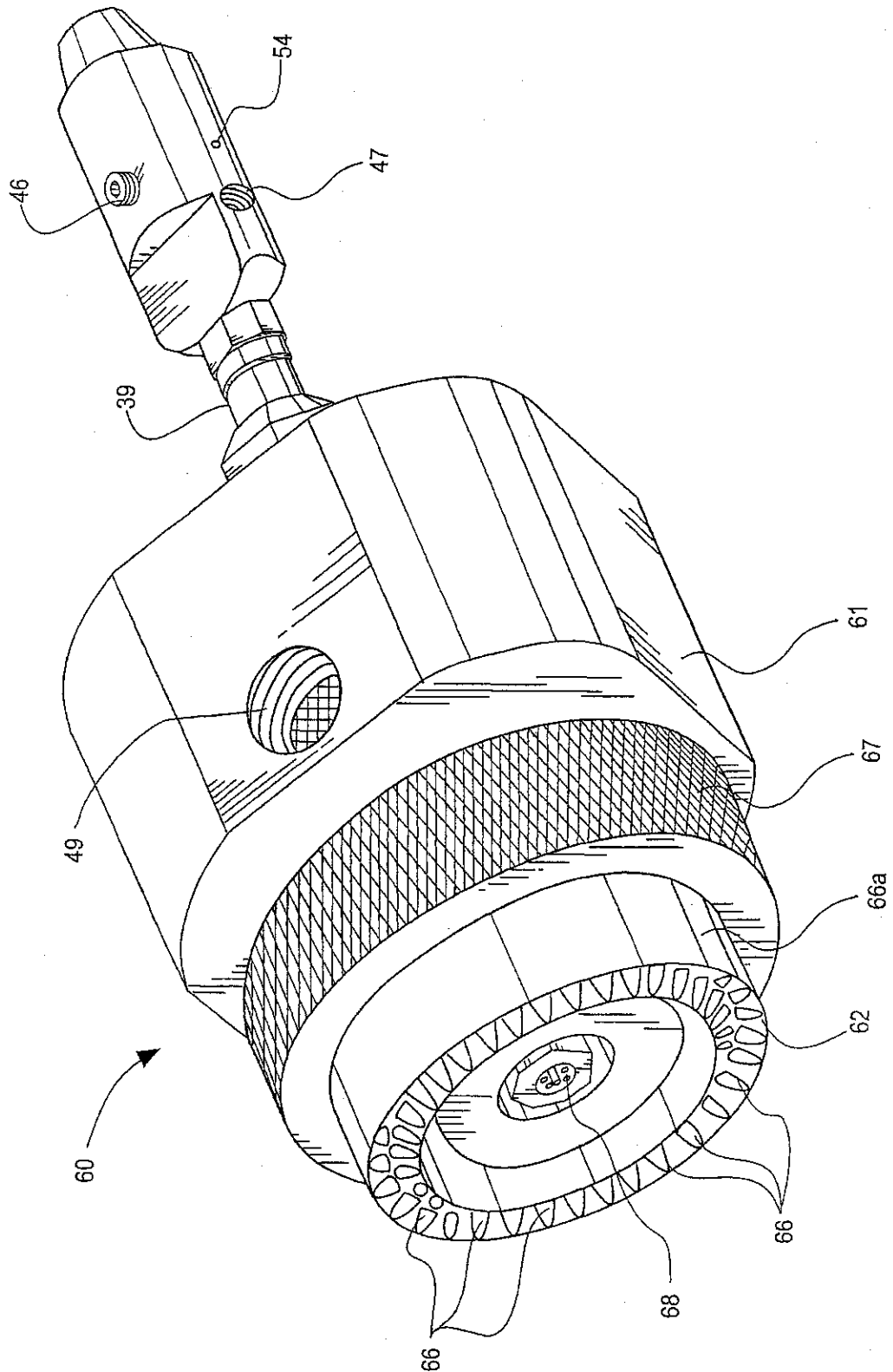


FIG.3D



5/26

FIG.3E

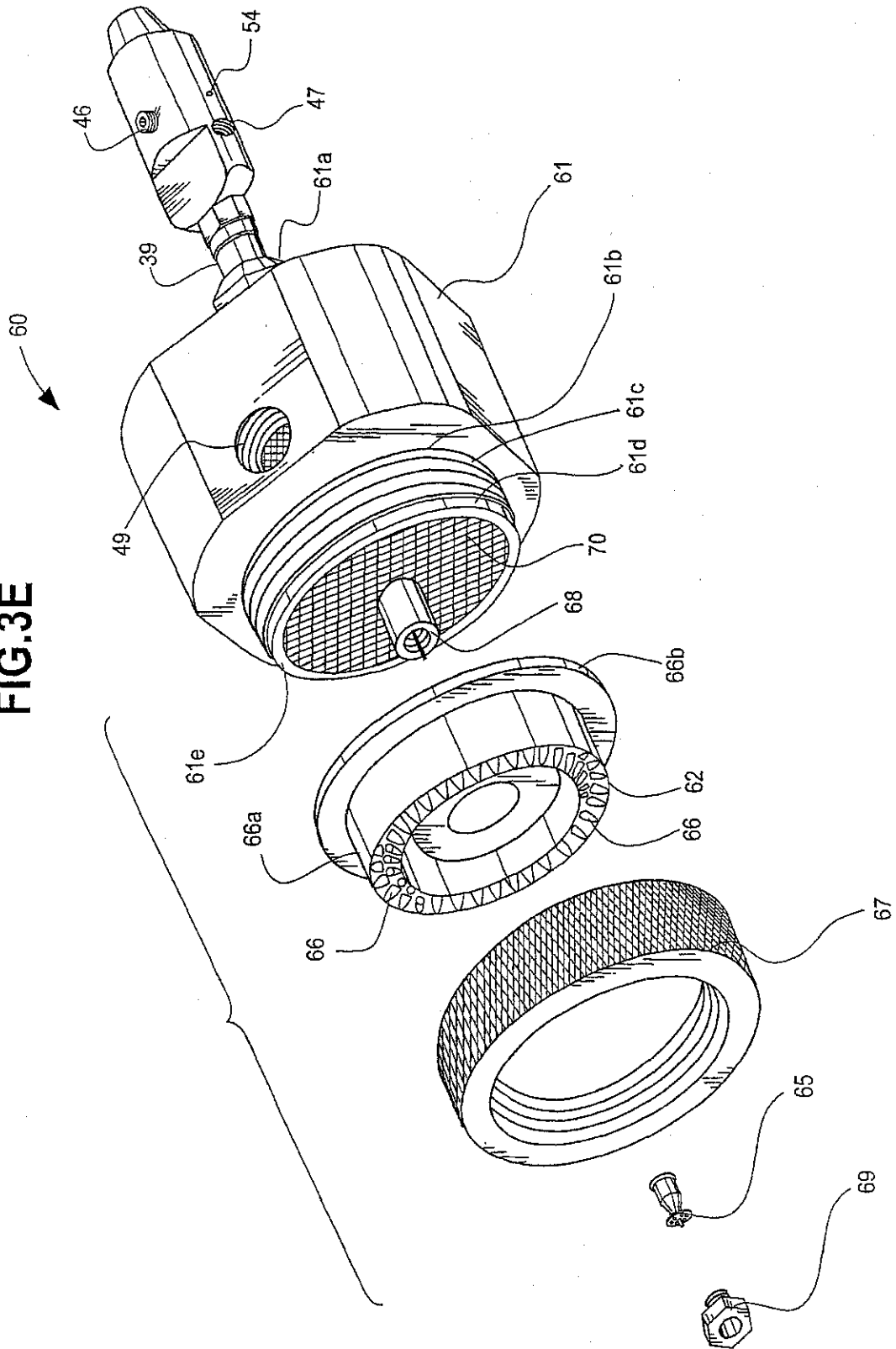


FIG. 3F

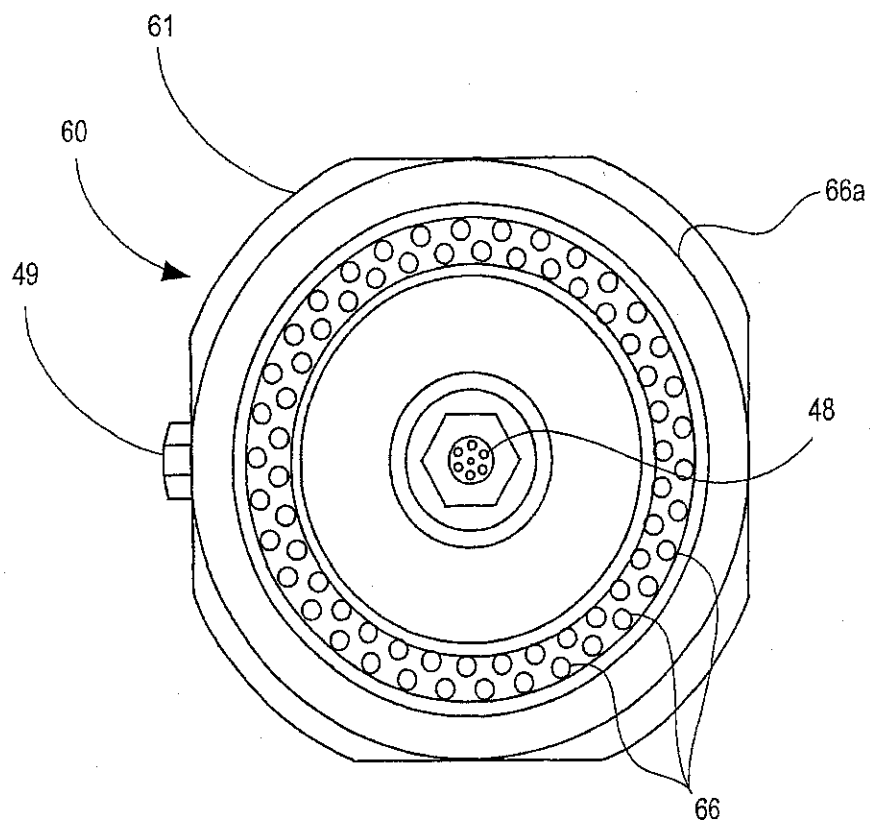
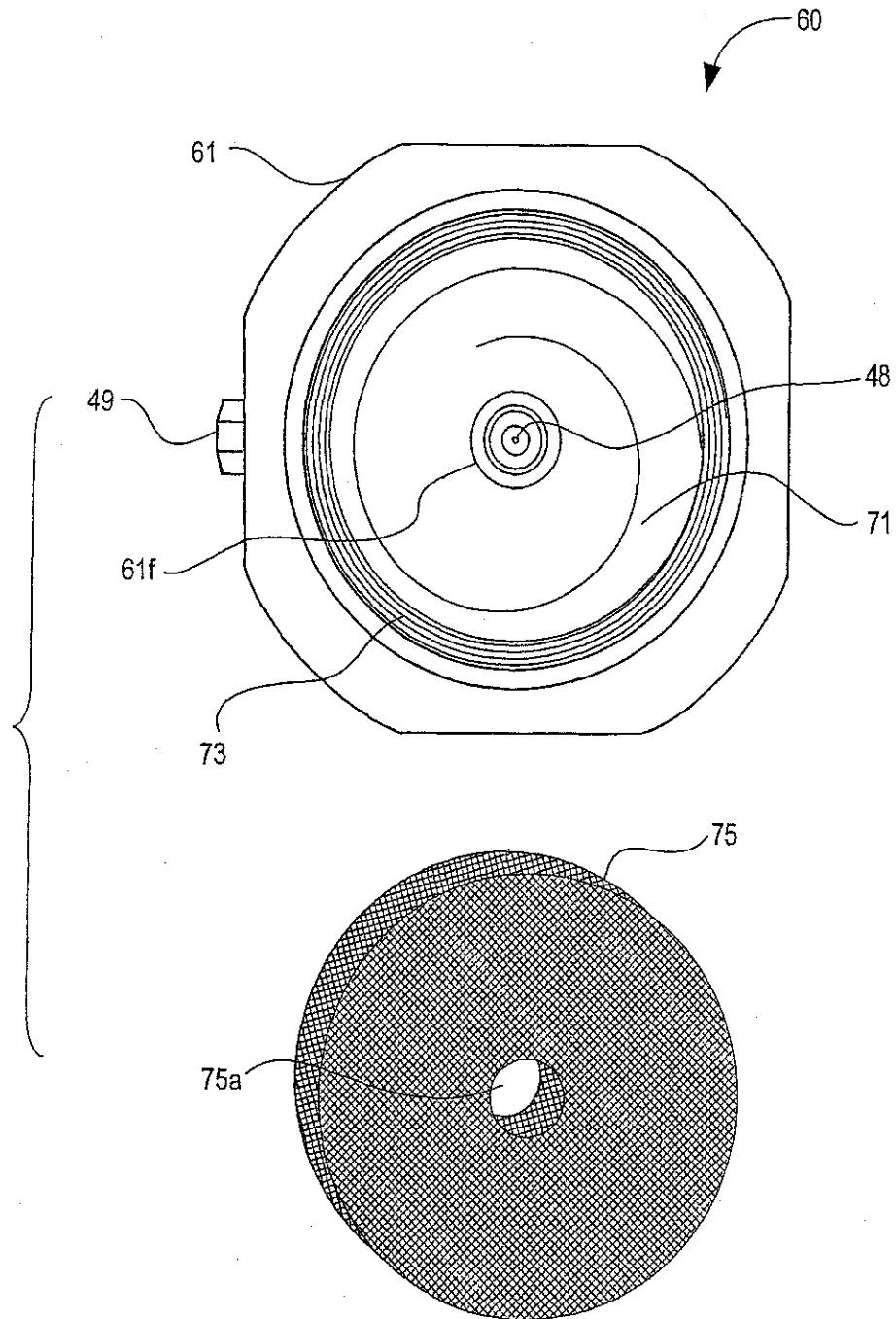


FIG. 3G



2 2 SEP 2005

8/26

FIG. 3H

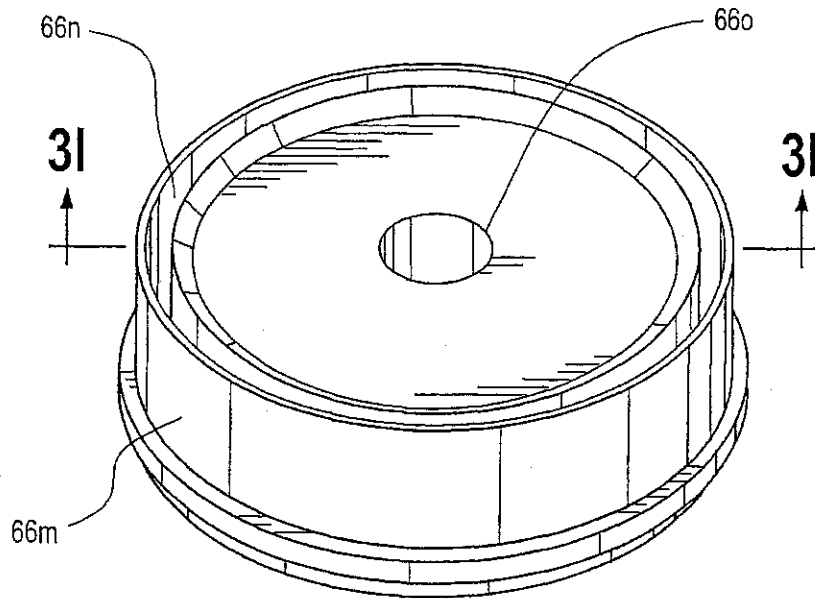
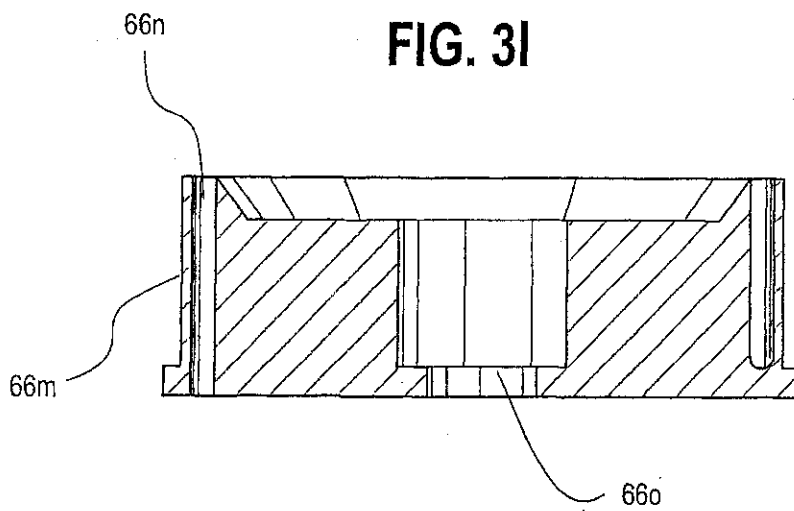


FIG. 3I



9/26

22 SEP 2005

FIG. 4

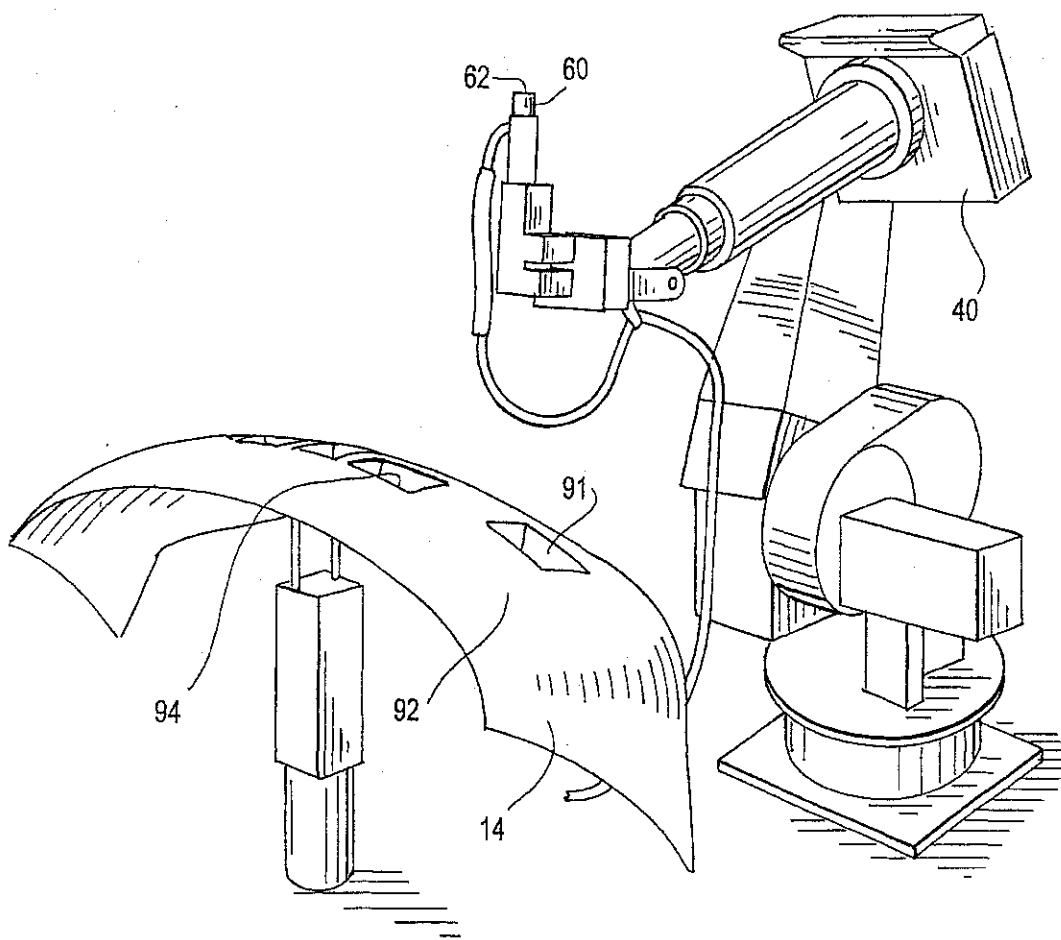


FIG. 5A

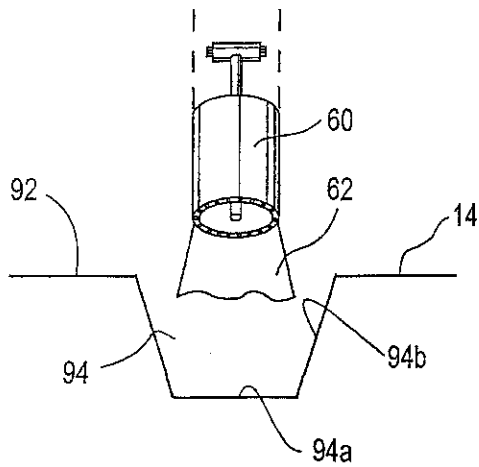


FIG. 5B

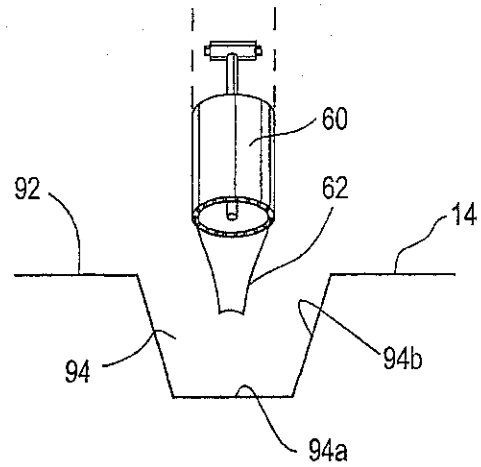


FIG. 5C

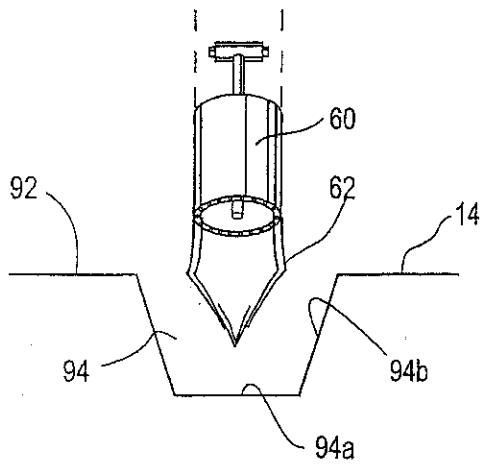
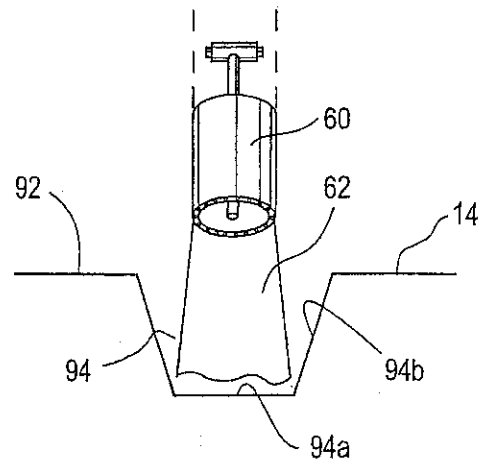
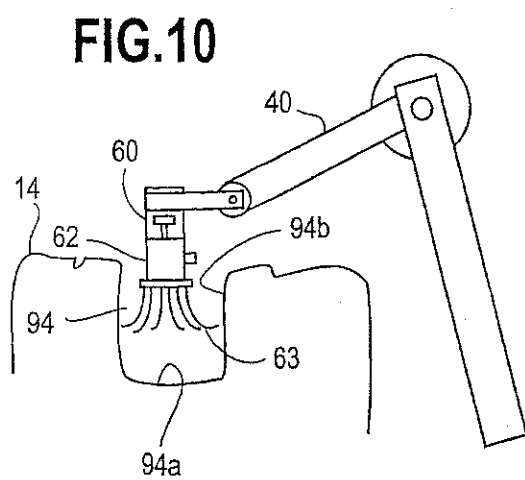
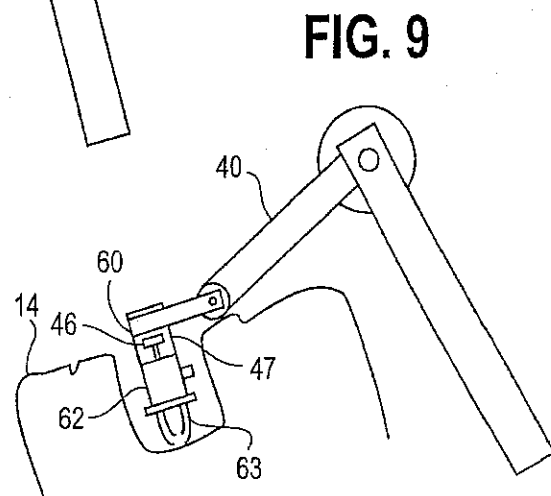
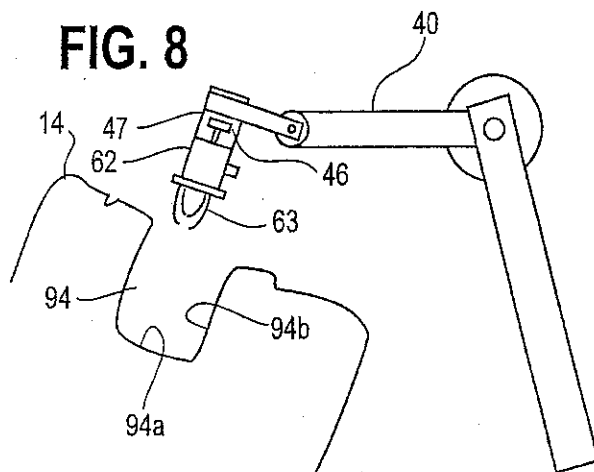
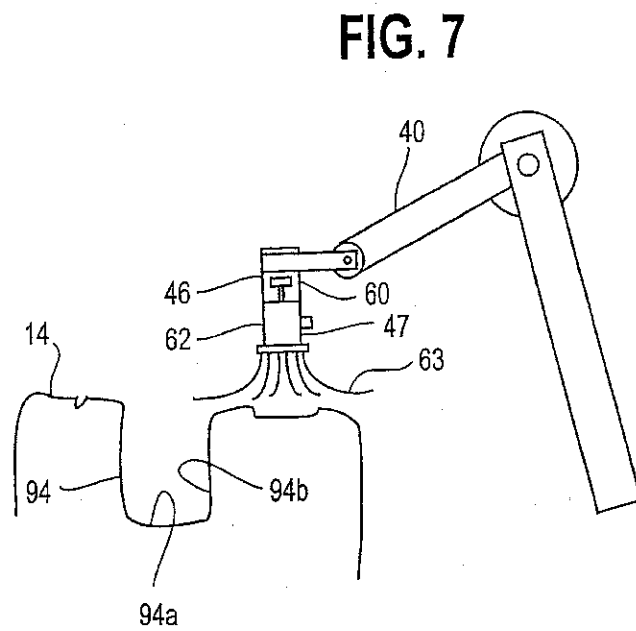
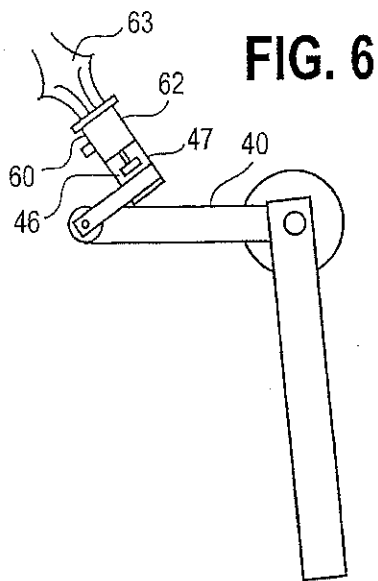


FIG. 5D



11/26



22 SEP 2005

12/26

FIG. 11

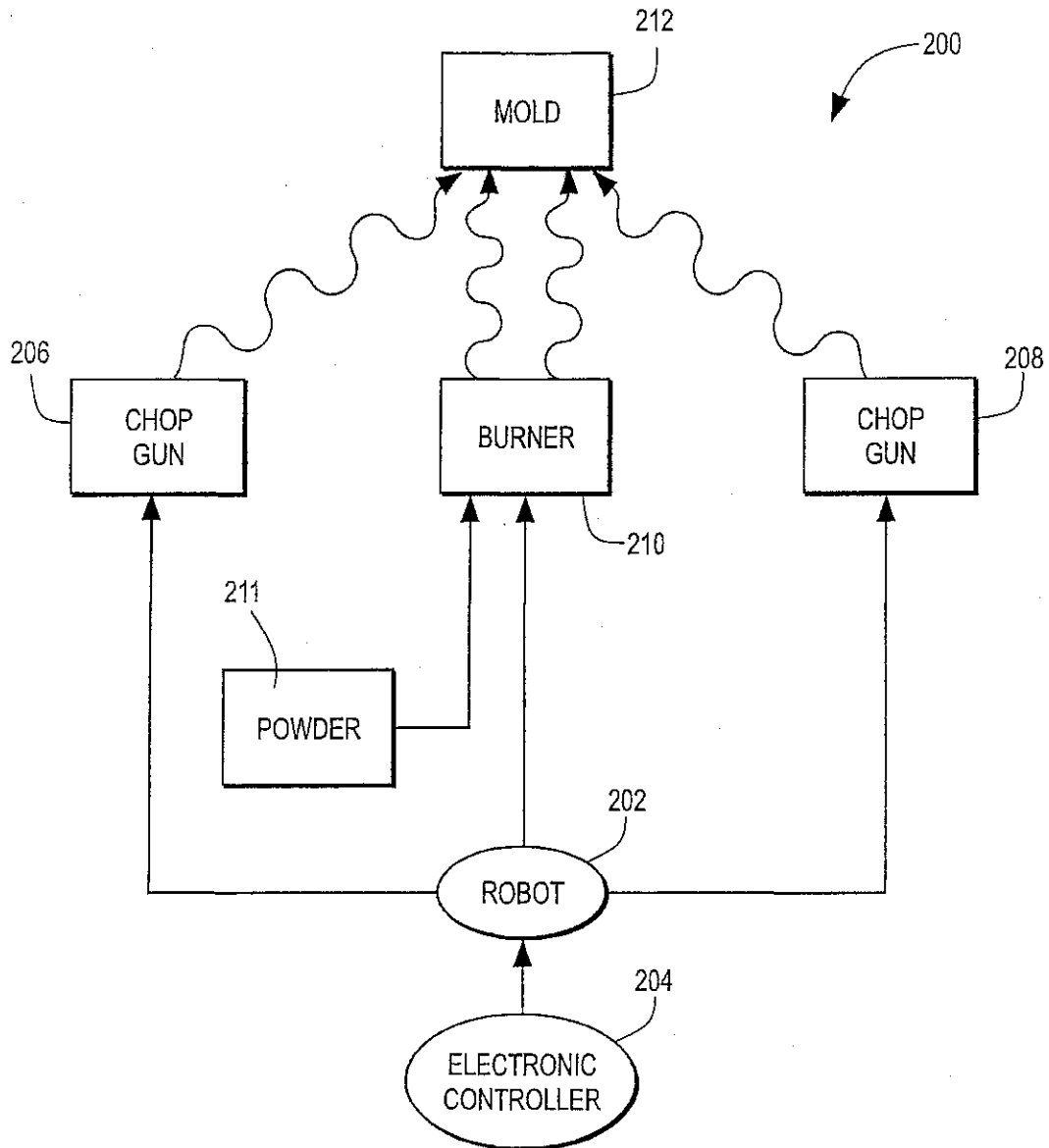


FIG. 12

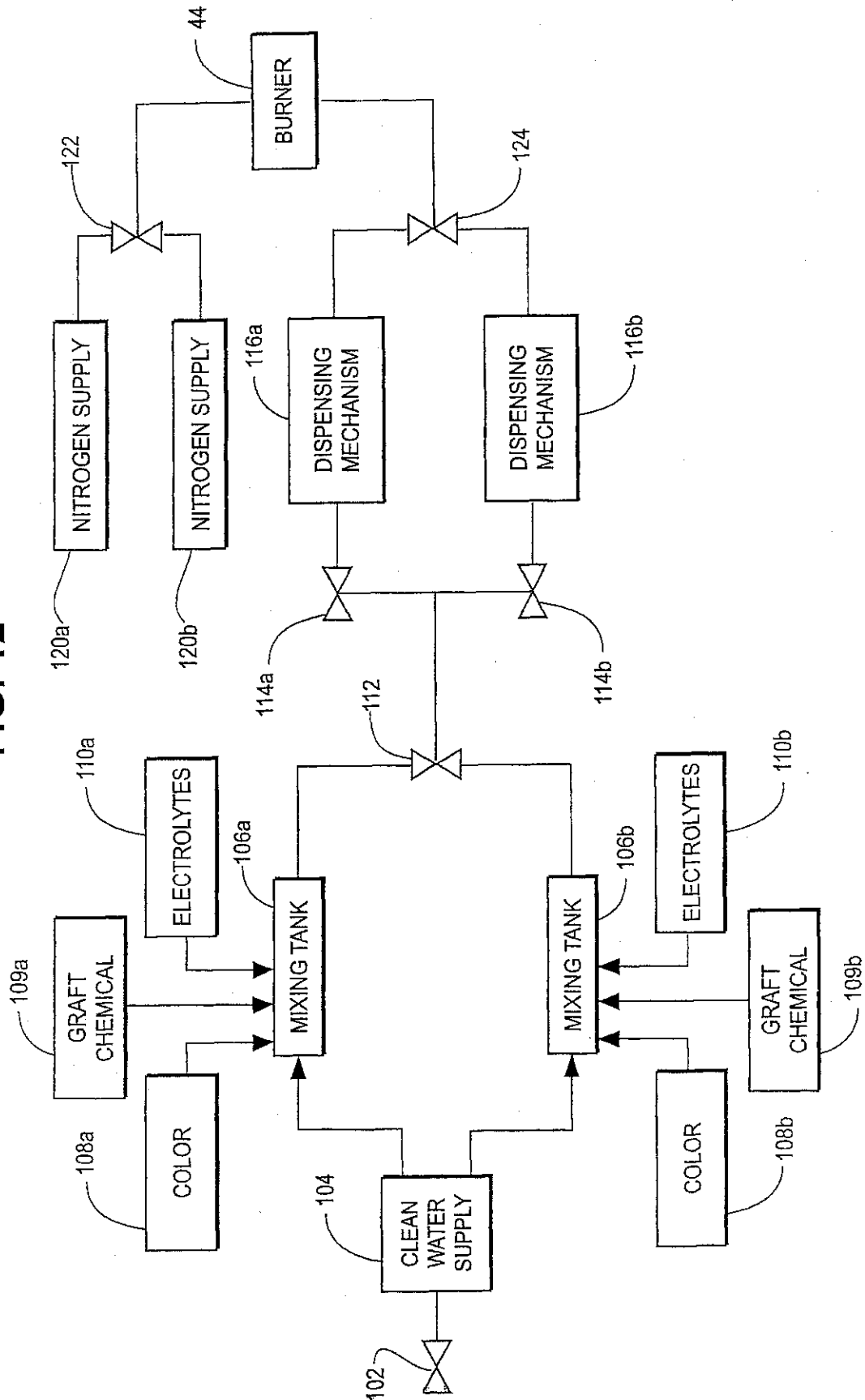


FIG. 13

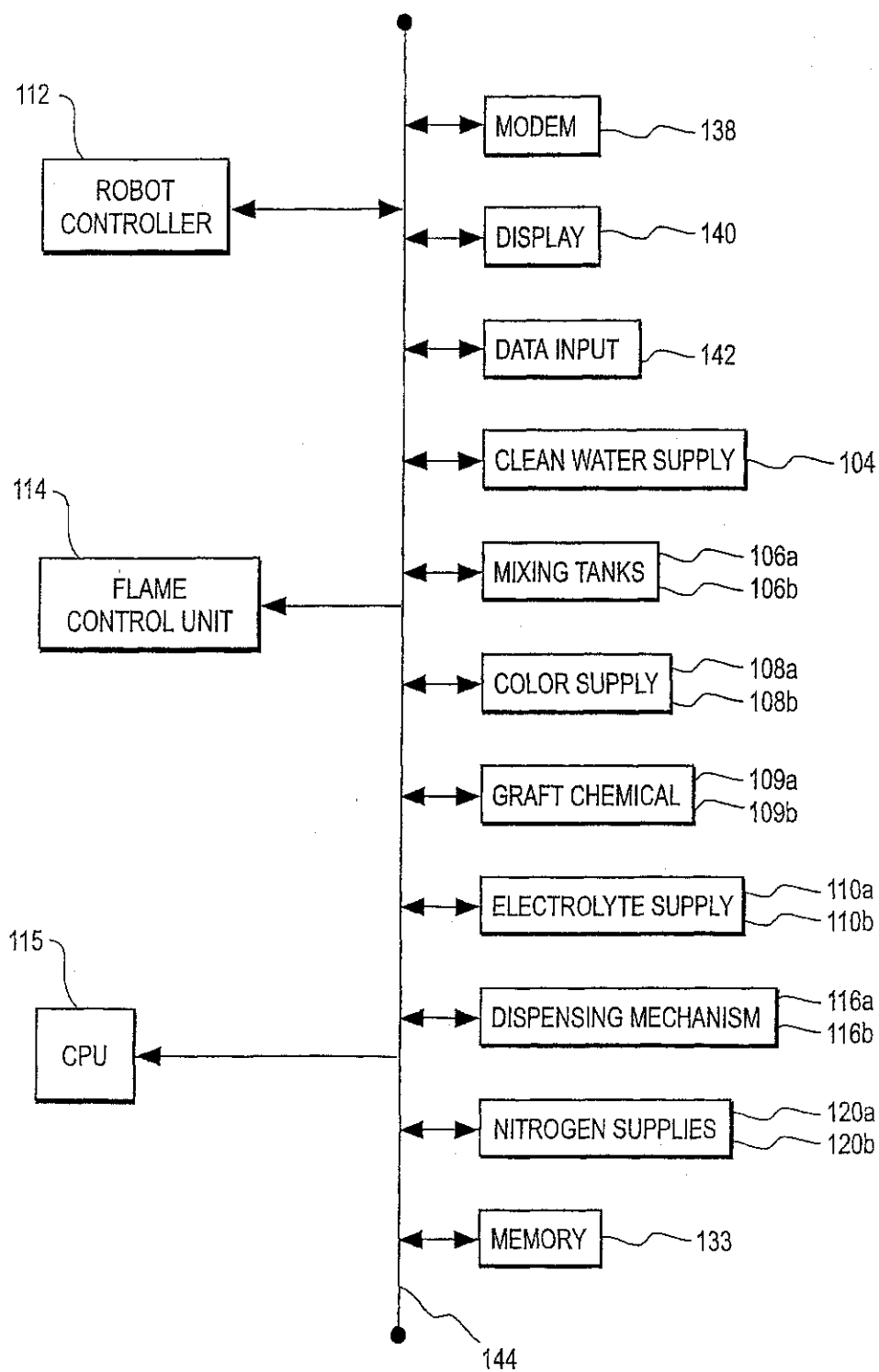


FIG. 13A

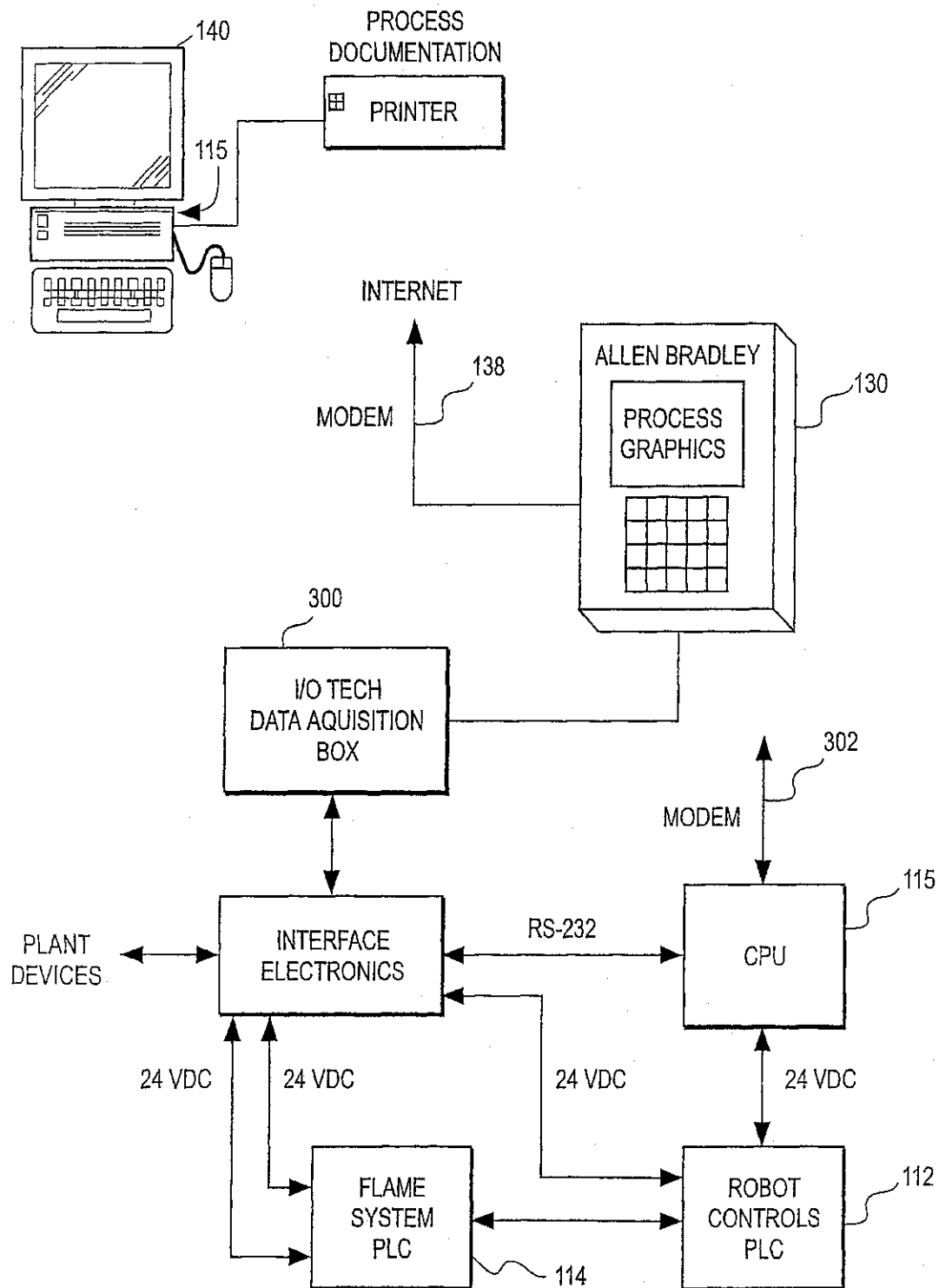


FIG. 14

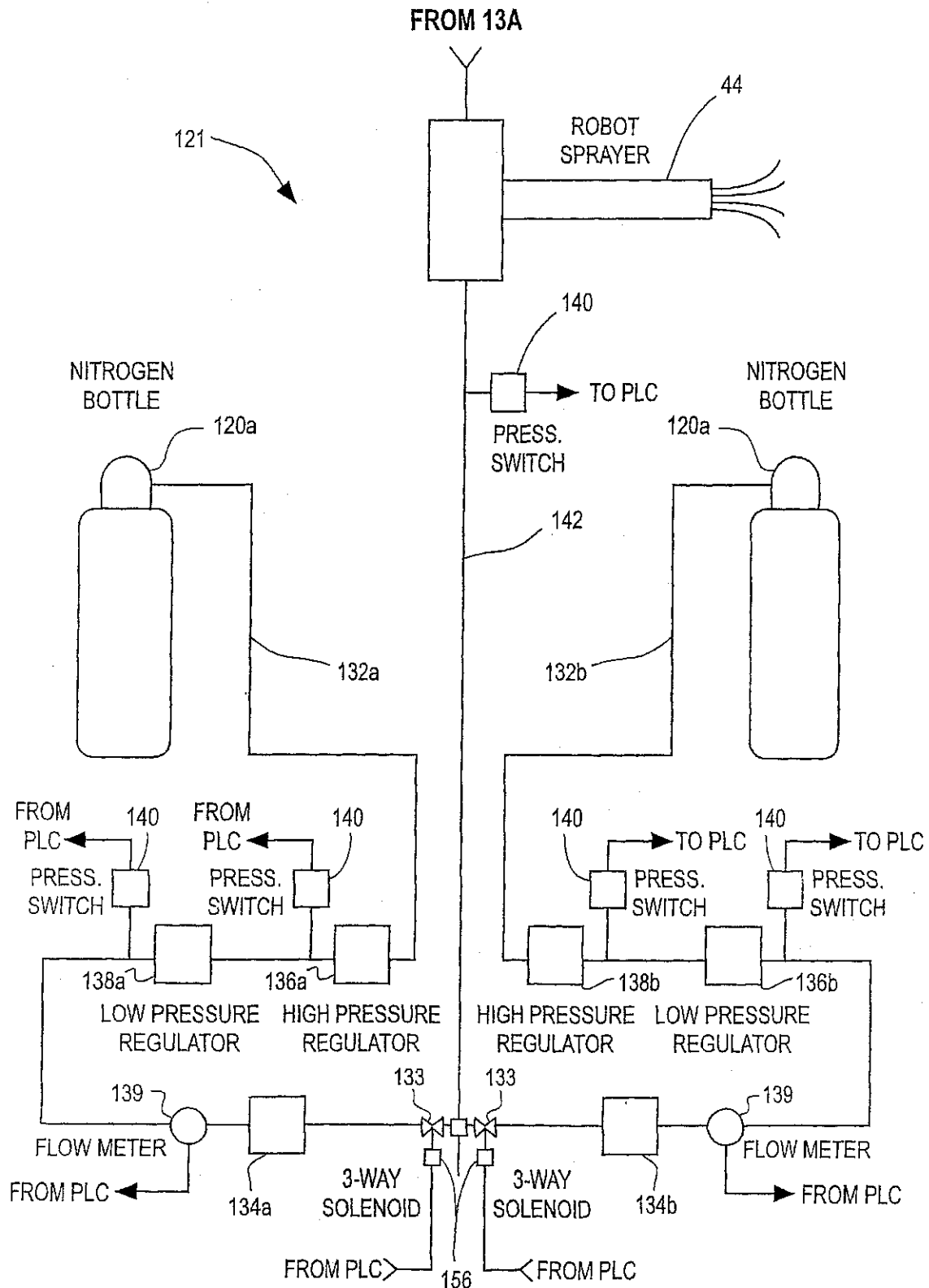


FIG. 15

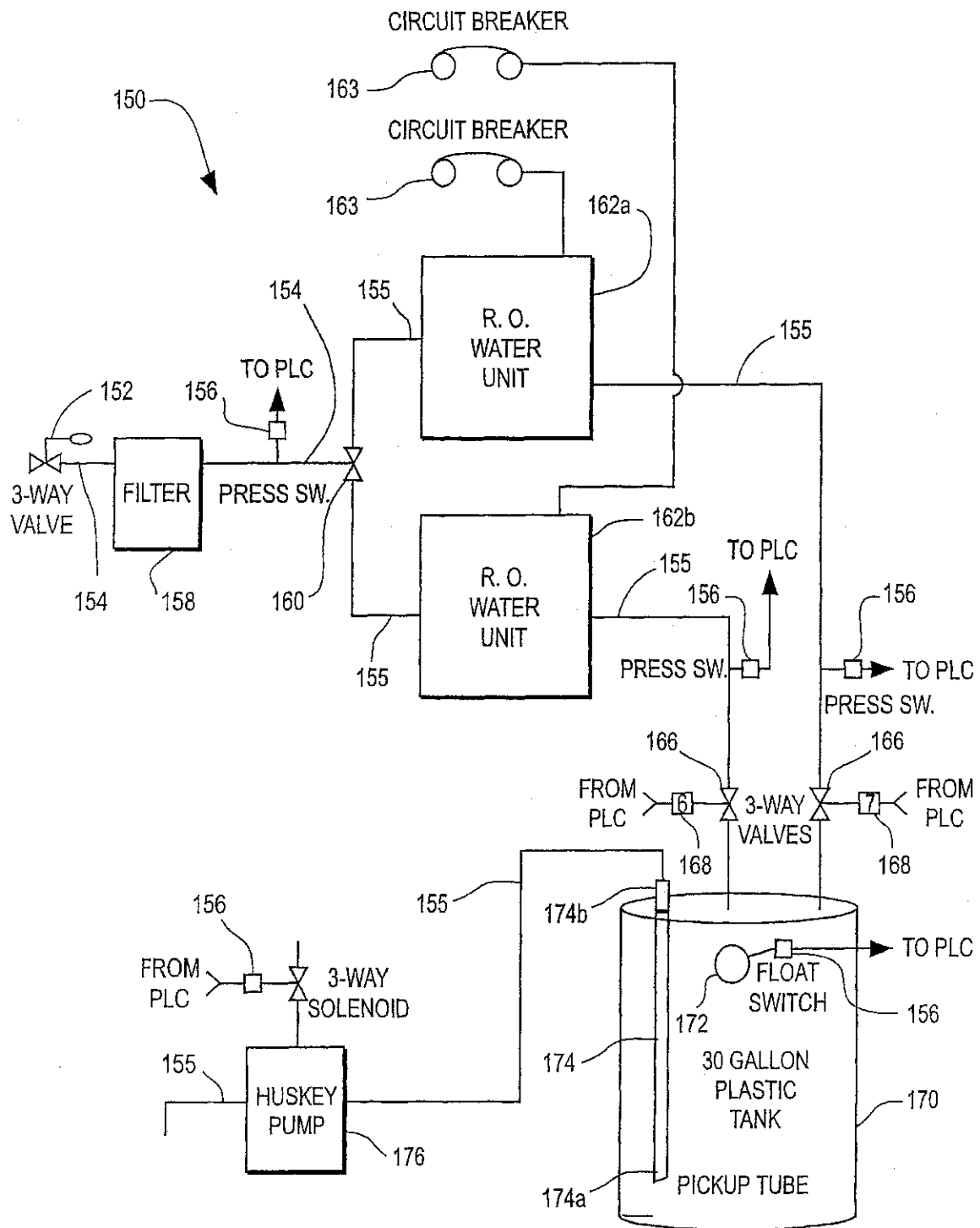
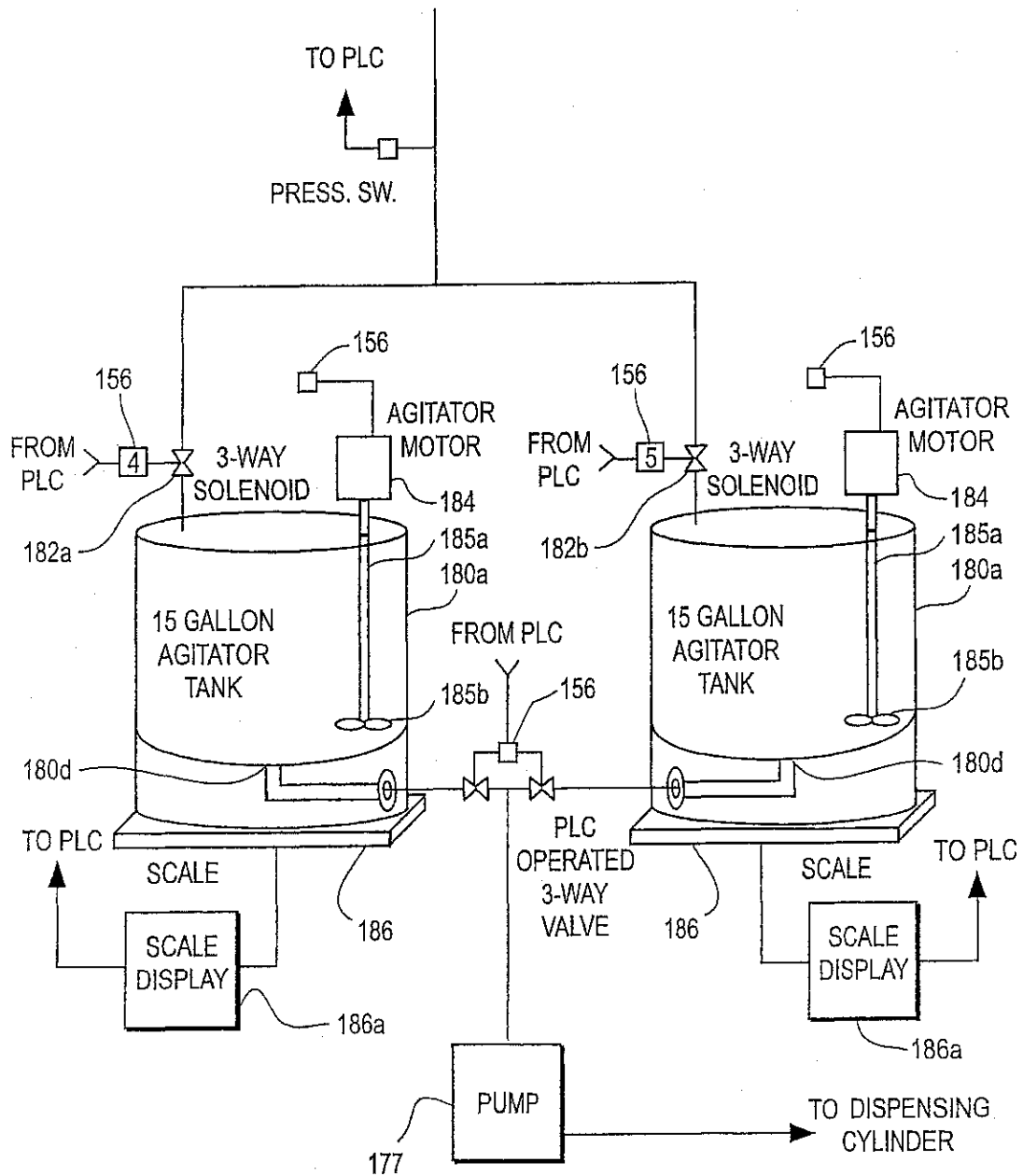


FIG. 16



19/26

22 SEP 2005

FIG. 17

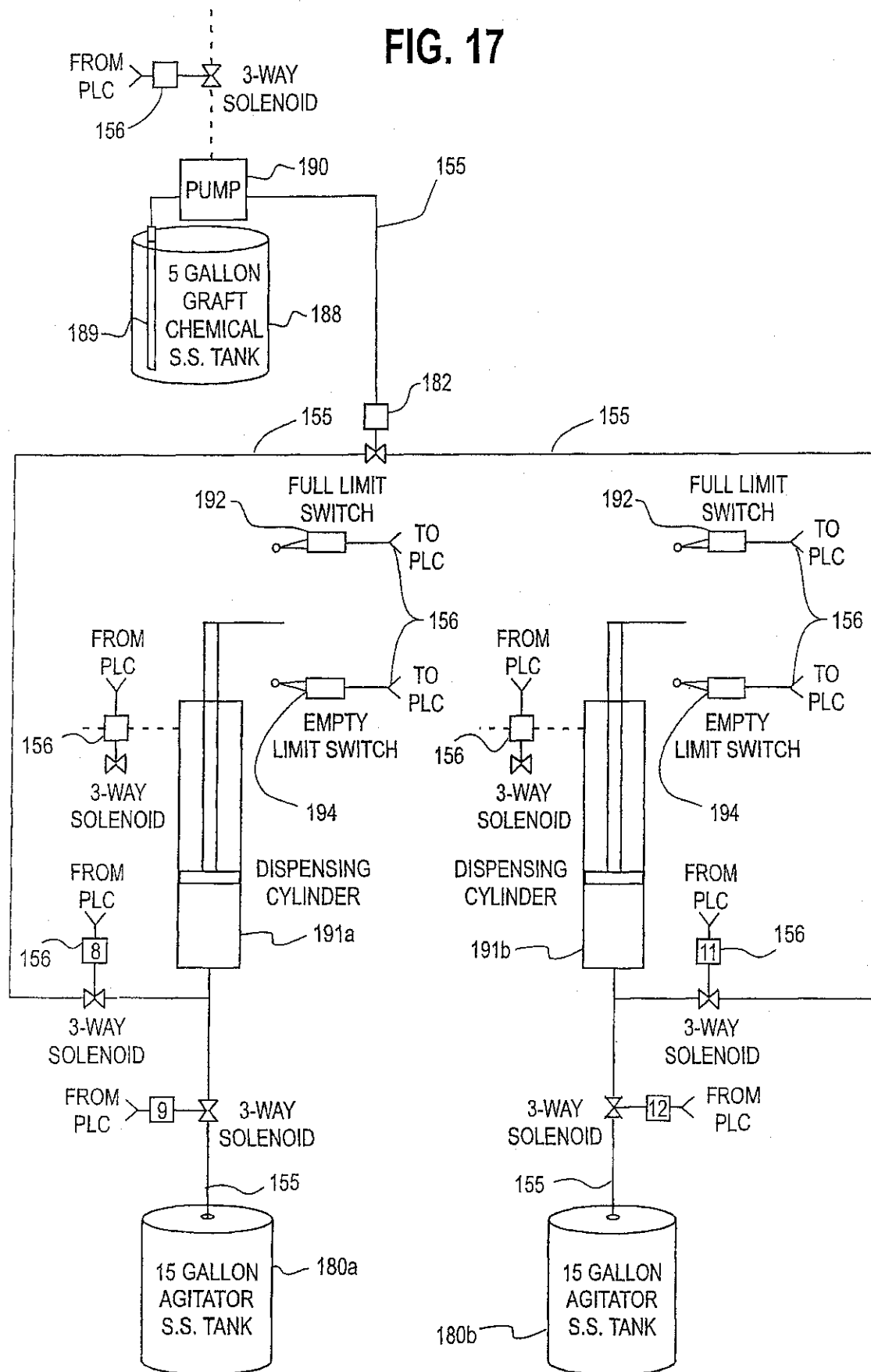
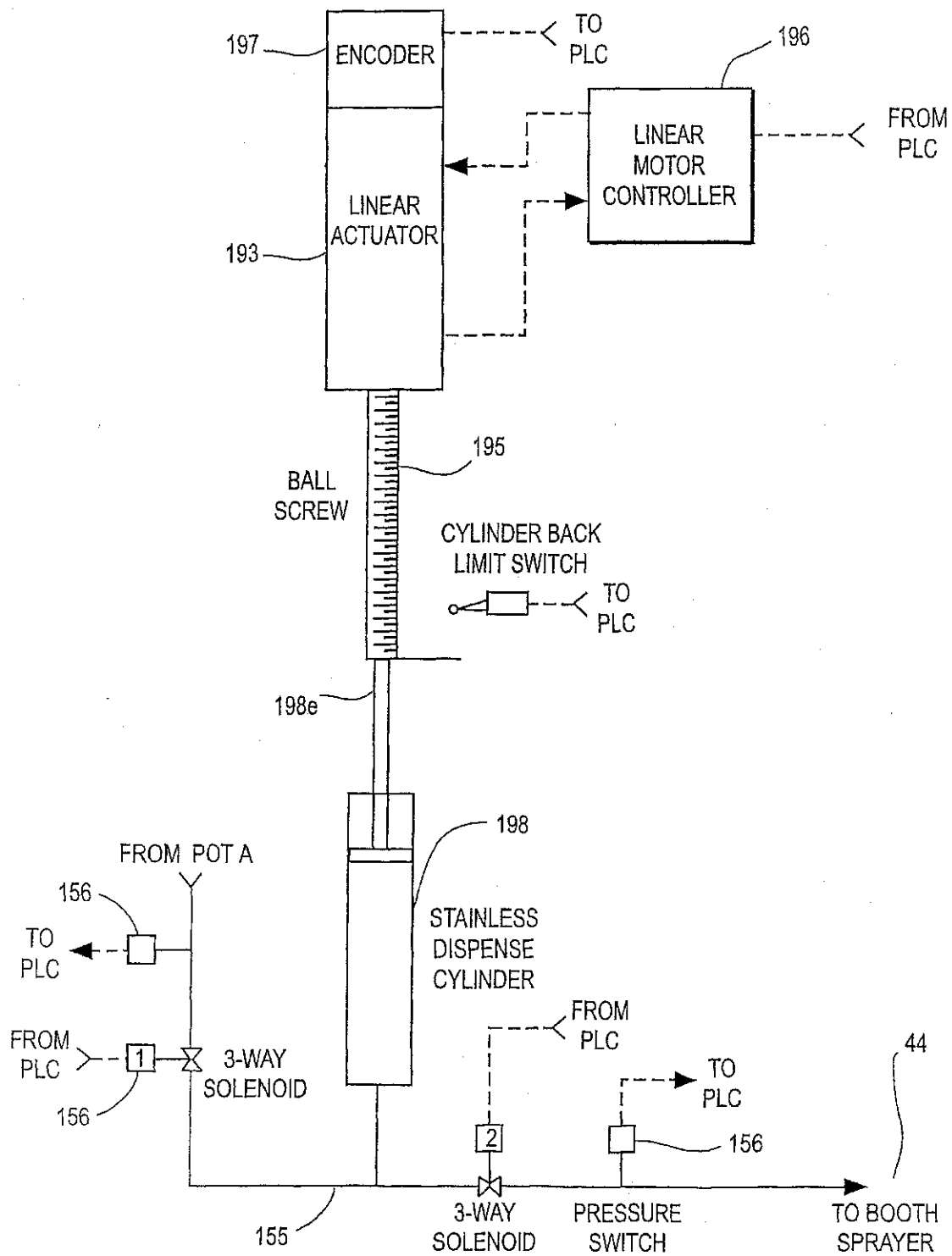


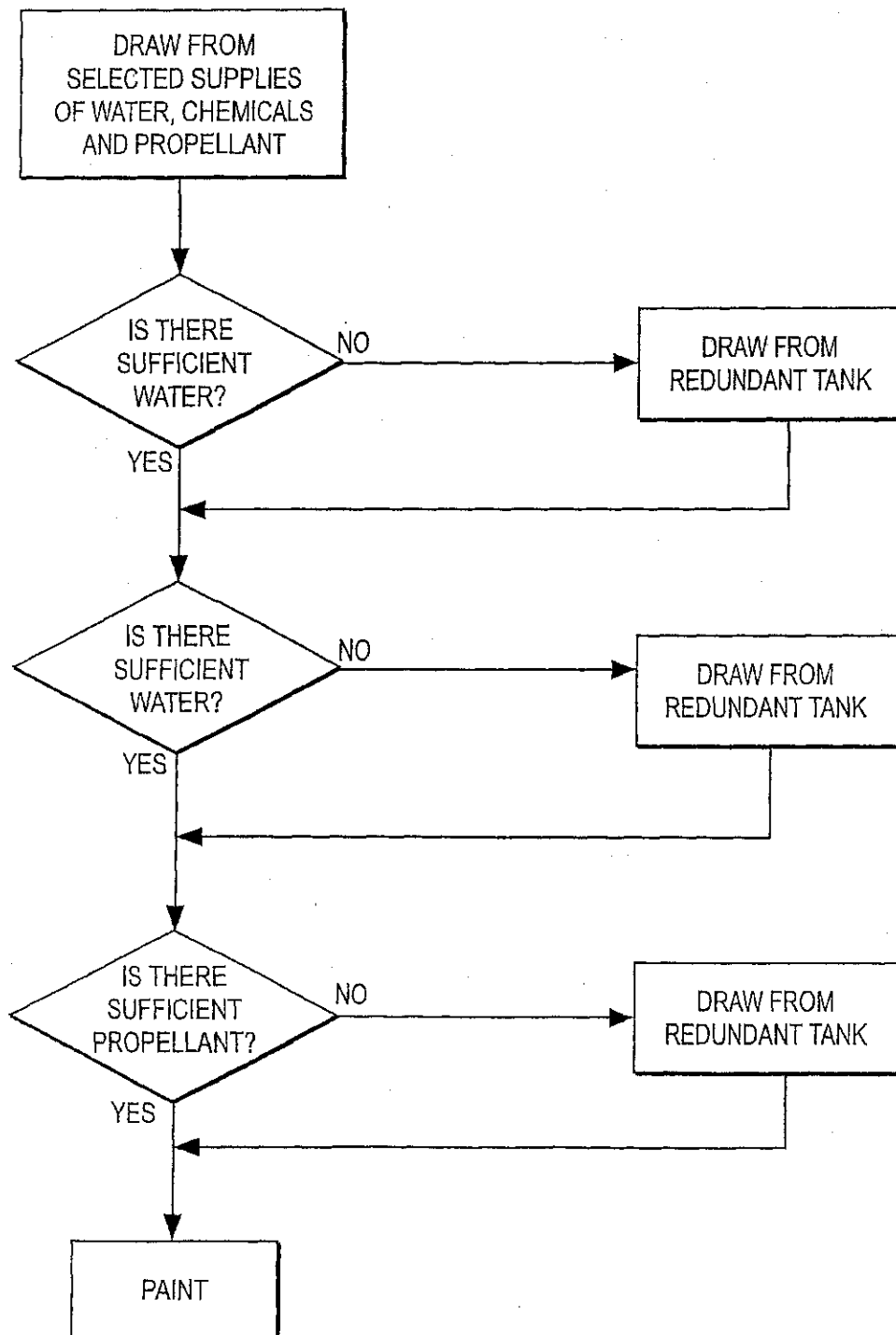
FIG. 18



22 SEP 2005

21/26

FIG. 19



22/26

FIG. 20

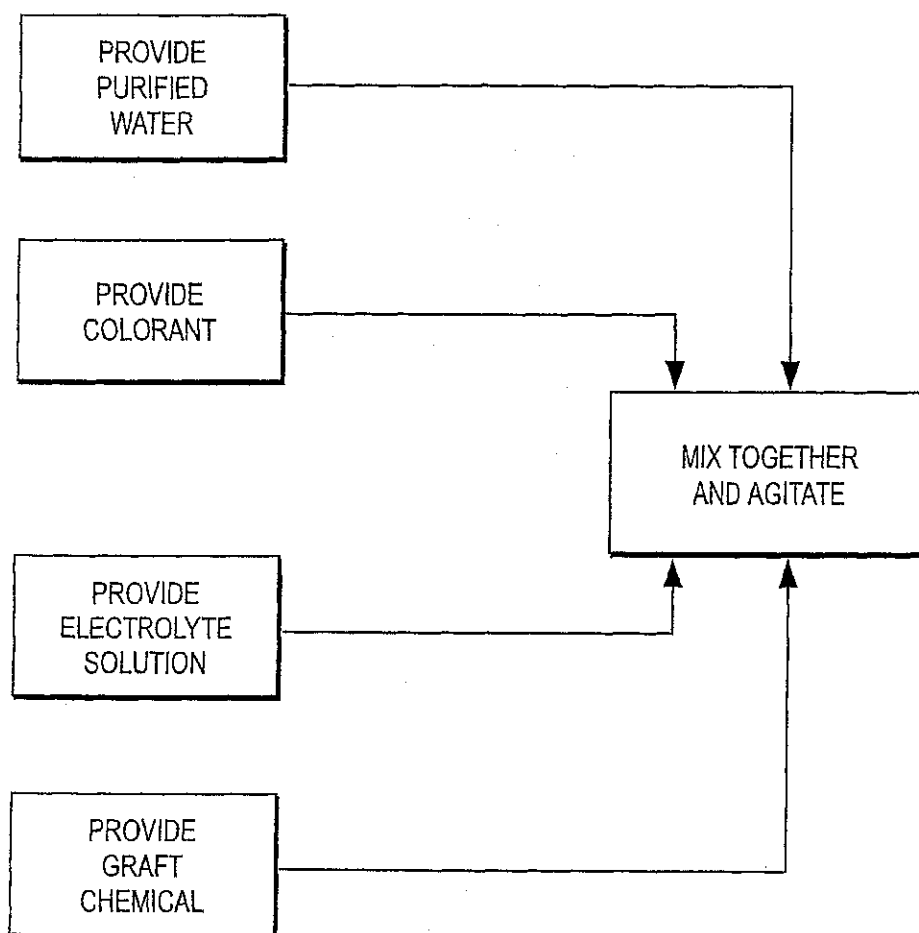
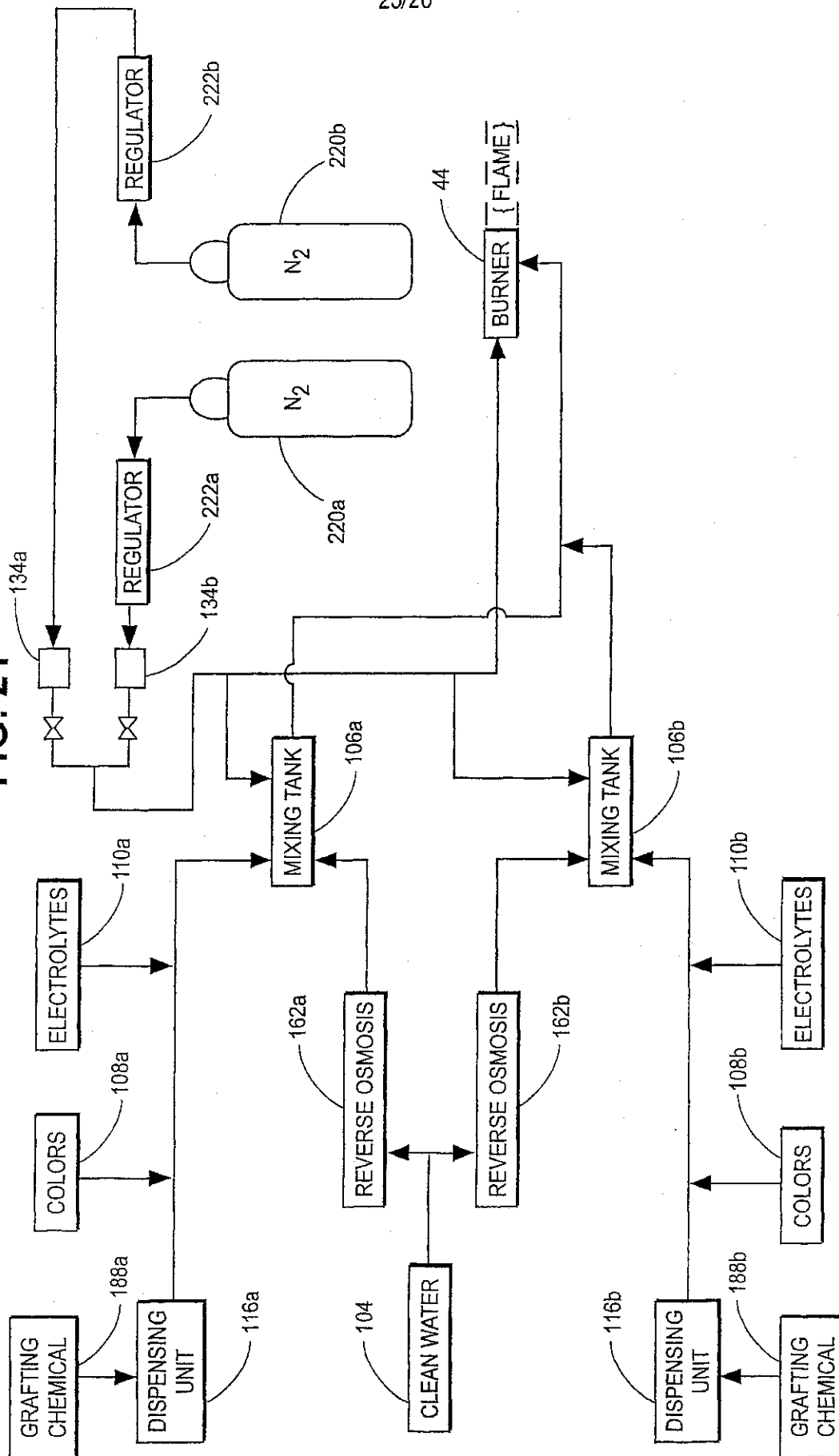


FIG. 21



22 SEP 2005

24/26

PLAQUE TEST DATA
(PROCESS WINDOW) DOE

FIG. 22

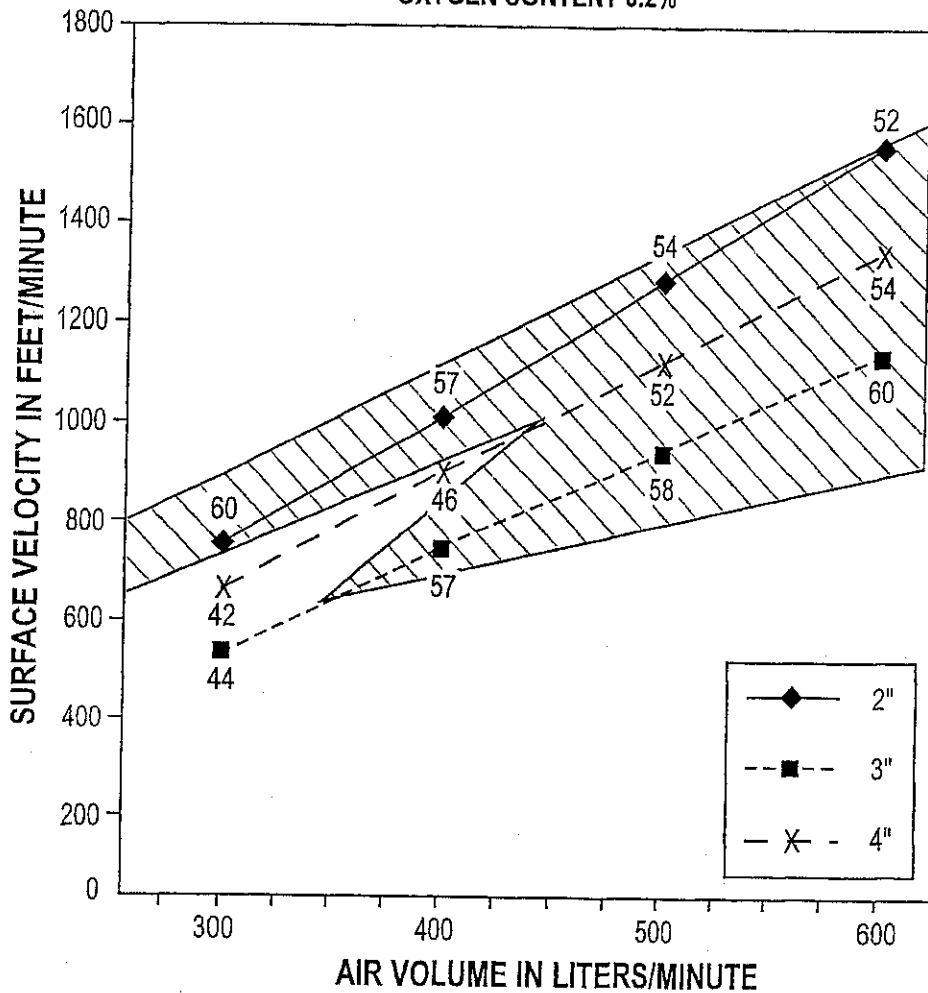
TEST REPORT NUMBER				30							
MATERIAL		SOLVAY SG6501 NATURAL		REACTOR GRADE		INITIAL SE LEVEL				<32 DYNES	
PROGRAM #				SPEED		MOVJ = 15					
DATE				25TH FEB 2002						TESTER /S R. BRYNOLF	
OBJECTIVE											
TO IDENTIFY RELATIONSHIPS (IF ANY) BETWEEN											
				DISTANCE		USING 3 DISTANCES 2"/3"/4"					
				VOLUME SURFACE VELOCITY		MIN OF 300 L/MIN - INCREASED 50 L/MIN ?					
				OXYGEN CONTENT TREATMENT LEVEL		USING 3 - % CONTENTS 0.2/ 1.0 /2.1 ?					
TO QUANTIFY THE PROCESSING WINDOWS GIVEN CERTAIN OPERATIONAL CRITERIA											
PART 1			PART 2			PART 3			PART 4		
			OXYGEN % 0.20%			OXYGEN % 1.00%			OXYGEN % 2.10%		
DISTANCE IN "	AIR VOLUME IN L/MIN	SURFACE VELOCITY IN FT/MIN	GAS VOLUME L/MIN	SE LEVEL DYNES	GAS VOLUME L/MIN	SE LEVEL DYNES	GAS VOLUME L/MIN	SE LEVEL DYNES	GAS VOLUME L/MIN	SE LEVEL DYNES	
2	300	740		60+		58					
	387	960									
	400	1000		57	15	60+					
	450	1130									
	500	1260		54	19	60+					
	550	1400									
	600	1540		52	21	60+					
3	300	540		44		38					
	387	710									
	400	730		57	15	46					
	450	830									
	500	930		58	19	54					
	550	1030									
	600	1130		60	21	58				52	
4	300	660		42		44					
	387	850									
	400	880		46	15	45					
	450	1000									
	500	1110		52	19	46					
	550	1220									
	600	1340		54	21	50				48	

22 SEP 2005

25/26

FIG. 23A

PLAQUE TEST DATA (PROCESS WINDOW) DOE
OXYGEN CONTENT 0.2%

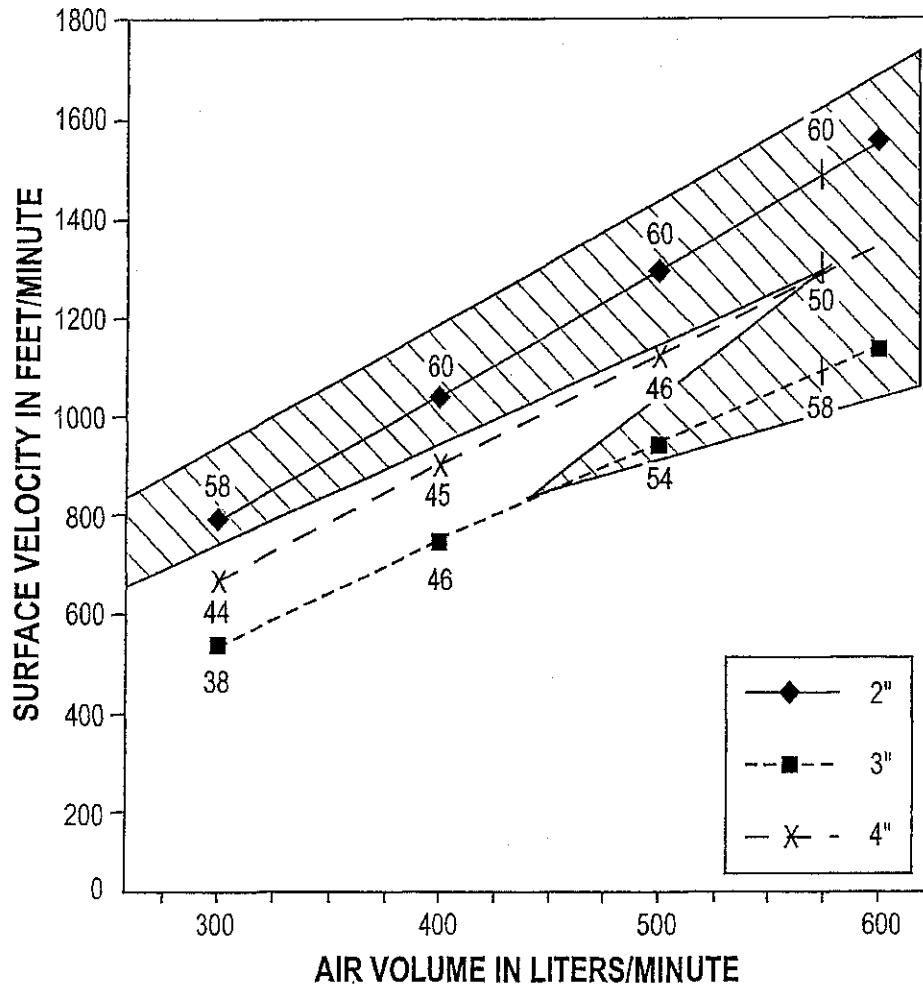


	SURFACE VELOCITY 2"	SURFACE VELOCITY 3"	SURFACE VELOCITY 4"
300	740	540	660
400	1000	730	880
500	1260	930	1110
600	1540	1130	1340

26/26

FIG. 23B

PLAQUE TEST DATA (PROCESS WINDOW) DOE
OXYGEN CONTENT 1.0%



	SURFACE VELOCITY 2"	SURFACE VELOCITY 3"	SURFACE VELOCITY 4"
300	740	540	660
400	1000	730	880
500	1260	930	1110
600	1540	1130	1340