FIG. 1A

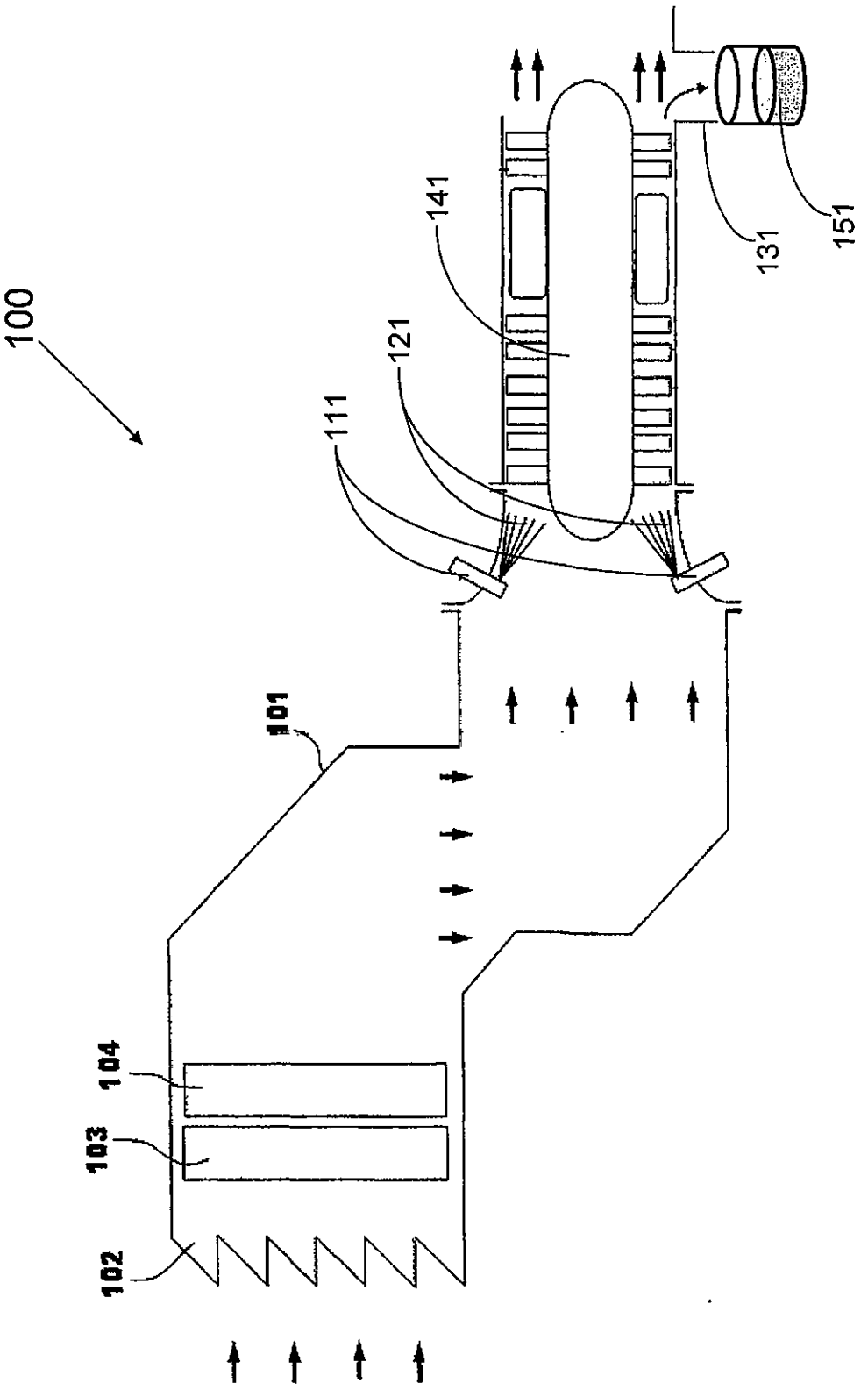
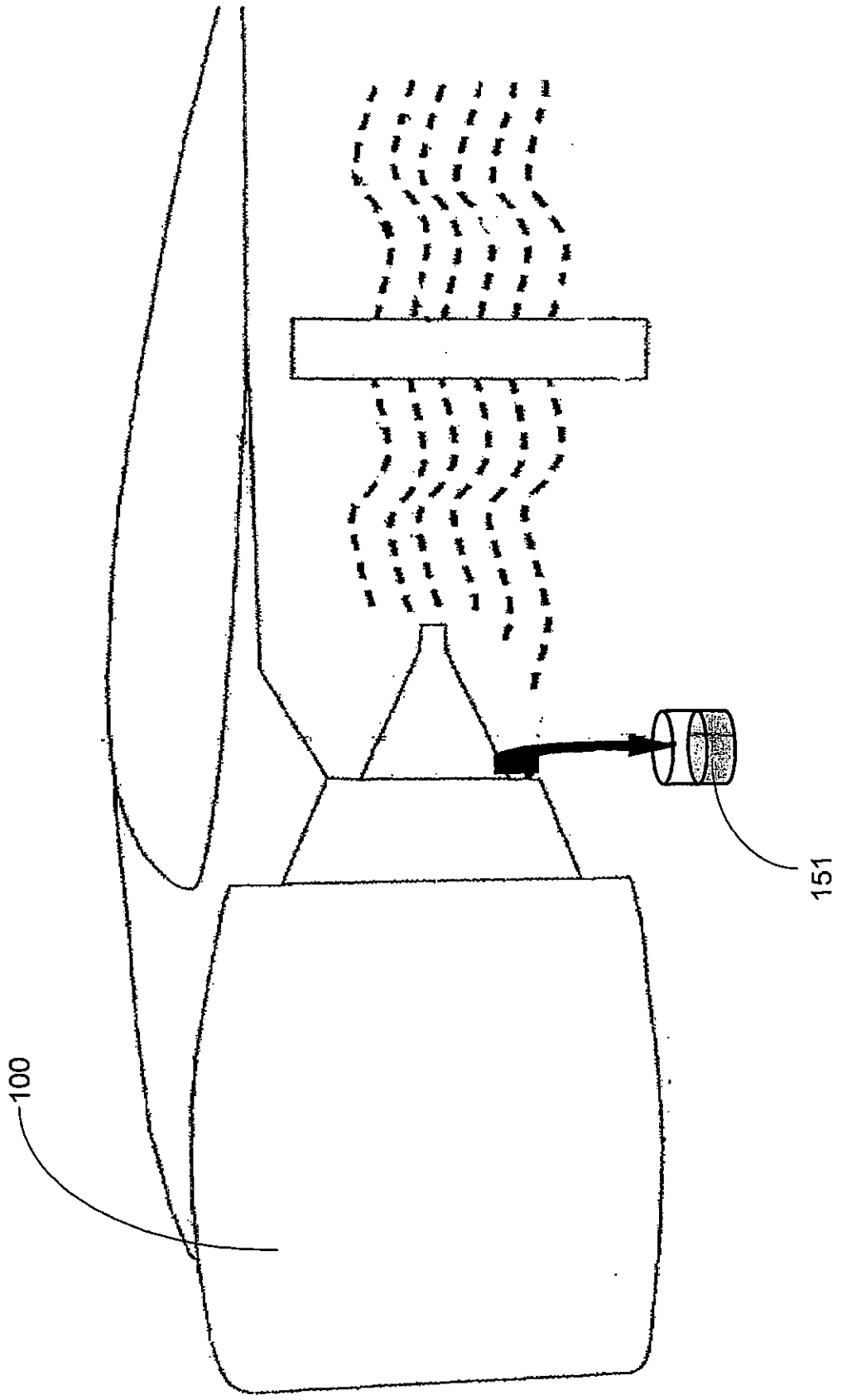


FIG. 1B



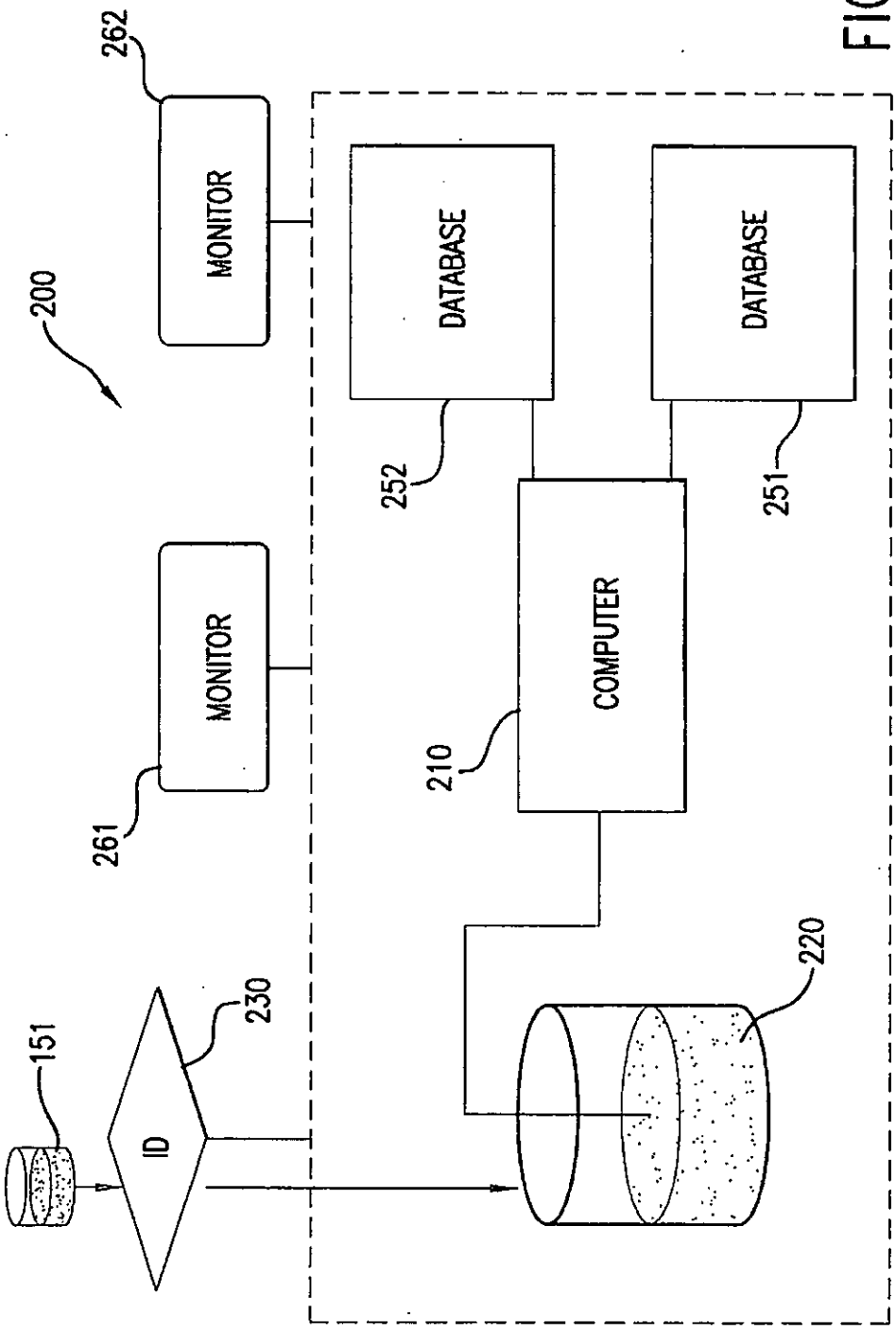
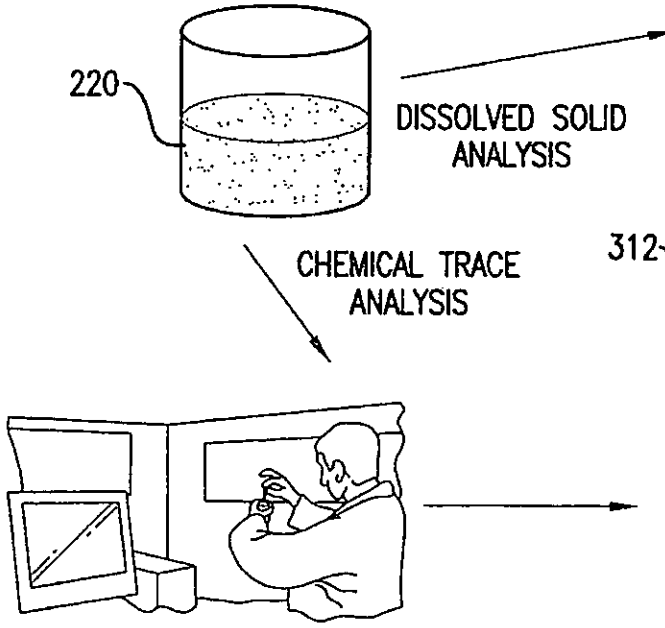

200
262
MONITOR
261
MONITOR
DATABASE
252
DATABASE
251
COMPUTER
210
220
230
ID
151

FIG.2



311

Example Total Dissolved Solid Analysis

ppm	Recovered Output	Recovered Heat Rate
10	0.50%	0.10%
50	1%	0.20%
100	1.50%	0.30%
200	2%	0.40%
500	3.50%	0.60%
1000	5%	0.80%

312

Example Solubility Table

	Fouling Compositions					
Solution	A	(B)	C	(D)	E	N
1	t1	[t8]	>t100	>t100	t6	t41
2	t1	t20	>t100	>t100	t15	t50
3	t40	t65	t7	t35	t12	t73
4	t11	t37	t4	t27	t45	t3
12	t100	t87	t46	[t4]	t51	t15

FIG.3

FIG. 4

400

	Temp (C)	Temp (F)	kW Measured (kW)	HR Measured (BTU/kW-hr)	kW Exp (kW)	HR Exp (BTU/kW-hr)	J-H (kW)	I-K (kW)	kWc (kW)	HRc (BTU/kW-hr)
After Wash	23	73.4	3990	11898	4332	11847	342	51	**4236.842**	**11680.07**
Same As Above	27	80.6	3860	11857	4198	11955	338	-98	4229.633	11534.66
Before Wash	22	71.6	3836	12000	4366	11819	530	181	**4041.594**	**11808.11**

410

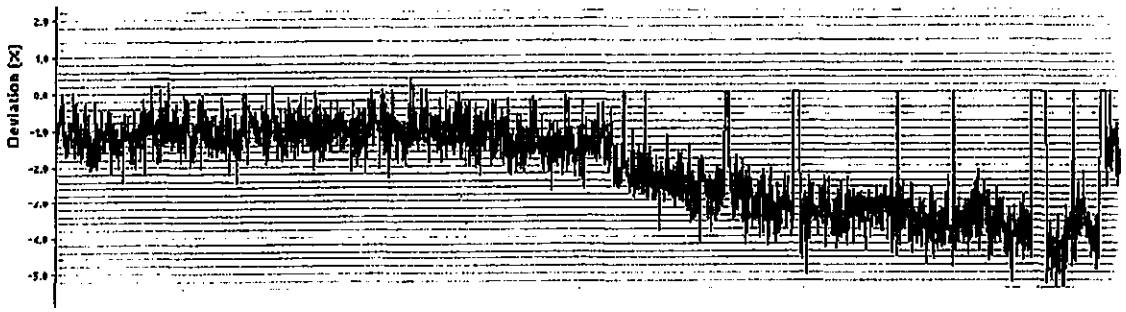
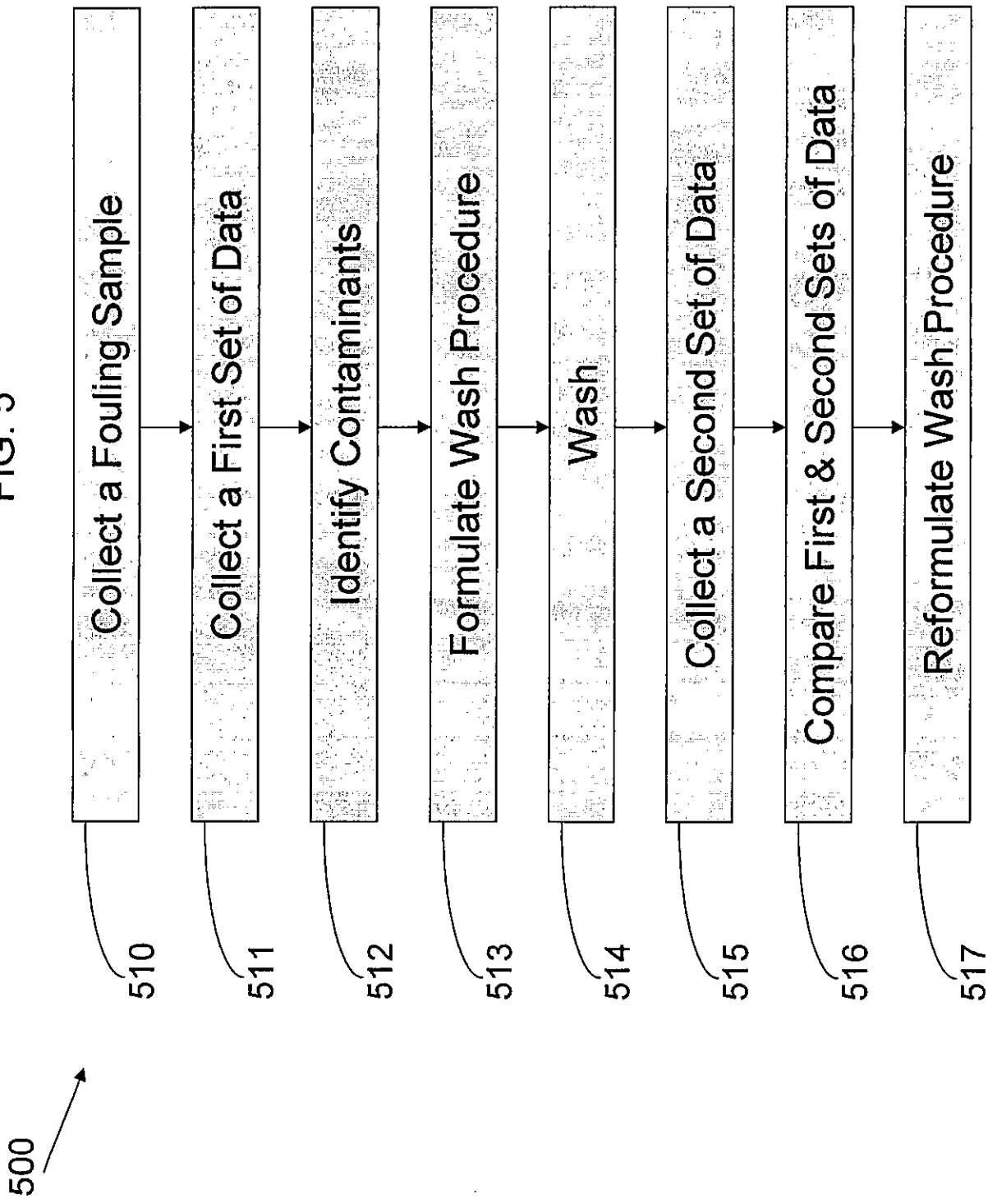


FIG. 5


500
Collect a Fouling Sample
Collect a First Set of Data
Identify Contaminants
Formulate Wash Procedure
Wash
Collect a Second Set of Data
Compare First & Second Sets of Data
Reformulate Wash Procedure
510
511
512
513
514
515
516
517