

100

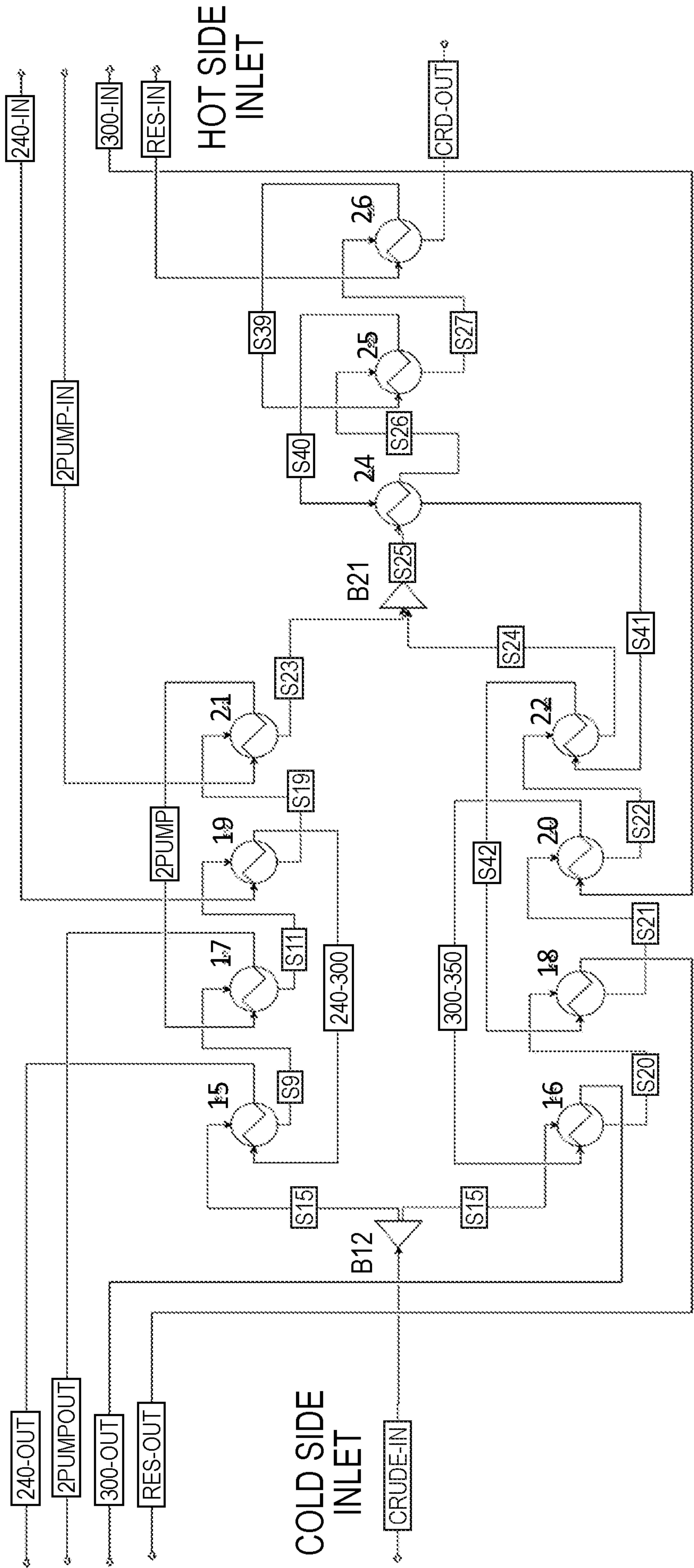


FIG.1

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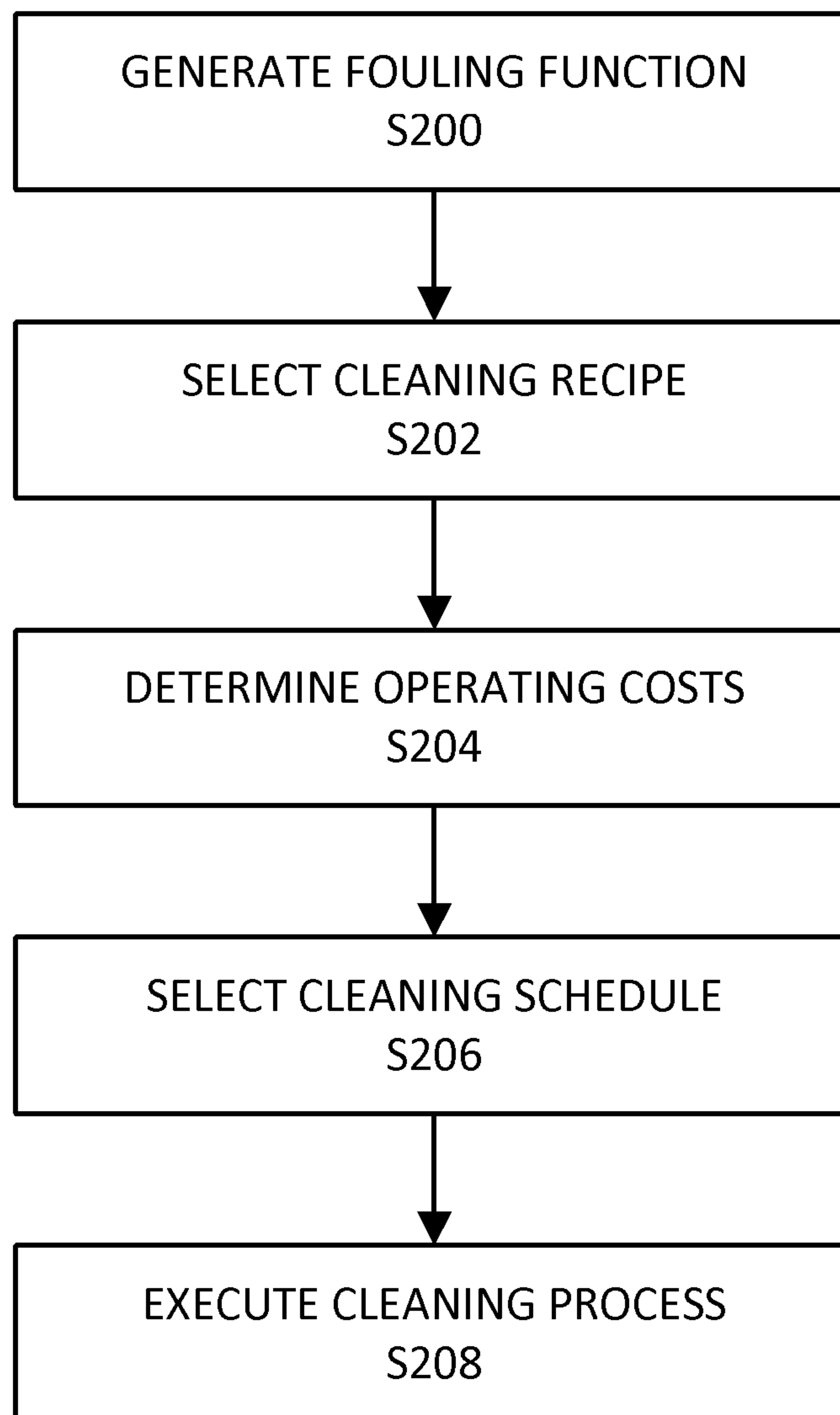


FIG.2

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24						25						26					
Cold In	Hot Out	Cold Out	Hot In	LMTD		Cold In	Hot Out	Cold Out	Hot In	LMTD		Cold In	Hot Out	Cold Out	Hot In	LMTD	
202.56	207.64	203.56	221.68	10.26		203.56	221.68	216.24	230.37	25.28		216.24	230.37	253.41	328.43	51.91	
205.40	210.35	207.66	224.25	9.52		207.66	224.25	230.34	252.67	23.59		230.34	252.67	256.24	330.00	50.23	
205.81	210.80	208.09	224.62	9.63		208.09	224.62	230.93	252.87	23.39		230.93	252.87	257.30	329.74	49.46	
196.42	202.62	196.90	217.49	11.29		198.90	217.49	212.88	247.88	25.94		212.88	247.88	252.47	330.58	53.71	
199.52	204.28	201.98	219.36	9.75		201.98	219.36	215.83	250.20	24.92		215.83	250.20	255.04	334.11	53.66	
198.55	204.42	201.07	219.27	10.90		201.07	219.27	215.27	249.64	25.43		215.27	249.64	255.47	332.25	52.77	
195.93	201.53	198.54	216.85	10.73		198.54	216.85	213.25	248.19	25.74		213.25	248.19	254.92	333.46	53.83	
194.23	199.10	196.82	214.98	10.10		196.82	214.98	211.38	247.43	26.09		211.38	247.43	252.64	335.73	56.33	
207.17	209.05	209.31	223.06	5.97		209.31	223.06	231.35	251.71	20.97		231.35	251.71	255.46	329.66	49.06	
191.47	197.62	194.24	212.62	11.17		194.24	212.62	209.84	243.30	25.18		209.84	243.30	254.04	326.78	50.59	
185.46	196.17	188.50	212.05	16.29		188.50	212.05	205.58	244.54	30.61		205.58	244.54	253.95	332.92	56.63	
191.49	199.48	194.22	215.21	13.46		194.22	215.21	209.54	247.36	26.59		209.54	247.36	252.94	334.84	57.05	
190.64	199.30	193.41	214.99	14.16		193.41	214.99	209.03	247.07	29.04		209.03	247.07	253.26	334.34	56.87	
190.90	198.87	193.64	214.67	13.46		193.64	214.67	209.01	246.98	28.67		209.01	246.98	252.56	334.89	57.32	
196.88	204.88	199.33	220.20	13.56		199.33	220.20	214.24	251.54	28.30		214.24	251.54	256.47	336.79	56.09	
193.31	201.33	196.04	216.78	13.39		196.04	216.78	211.42	248.36	28.07		211.42	248.36	254.98	334.30	55.47	
193.58	200.85	196.30	216.60	12.68		196.30	216.60	211.63	248.80	27.89		211.63	248.80	255.03	336.42	56.43	
193.39	201.48	196.09	217.15	13.56		196.09	217.15	211.29	249.19	28.66		211.29	249.19	254.35	336.35	57.14	
193.71	202.53	196.42	217.98	14.26		196.42	217.98	211.70	249.58	28.96		211.70	249.58	254.97	335.55	56.57	
194.37	203.43	197.04	217.68	13.36		197.04	217.68	212.08	248.86	27.94		212.08	248.86	254.66	333.70	55.25	
195.22	203.52	197.85	218.57	13.58		197.85	218.57	212.69	249.35	27.93		212.69	249.35	254.73	333.10	54.90	
198.37	205.52	201.02	220.58	12.33		201.02	220.58	215.91	251.38	26.73		215.91	251.38	258.09	335.17	59.61	
197.80	206.11	200.42	221.08	13.56		200.42	221.08	215.12	251.68	27.85		215.12	251.68	256.79	334.93	54.74	
185.82	195.98	188.78	211.78	15.72		188.78	211.78	205.42	244.08	30.16		205.42	244.08	252.55	331.98	56.62	
188.91	198.22	191.82	213.84	14.77		191.82	213.84	208.18	245.76	29.11		208.18	245.76	254.53	332.62	55.39	
188.03	197.51	190.94	213.28	15.01		190.94	213.28	207.36	245.52	29.55		207.36	245.52	253.85	333.24	56.28	

FIG.3

15	16	17	18	19	20	21	22	24	25	26
1 338 886	3 329 733	2 199 898	2 959 796	1 393 535	3 513 789	1 736 762	961 934	469 524	2 641 070	7 649 321
1 486 277	3 745 284	2 454 598	3 770 536	1 546 941	3 952 310	1 937 840	1 225 424	548 689	3 086 375	8 939 057
1 481 626	3 788 909	2 381 835	3 800 861	1 542 101	3 998 347	1 880 396	1 235 280	580 626	3 266 023	9 459 370
1 106 663	2 029 073	1 896 323	2 654 204	1 151 833	2 141 233	1 497 097	862 616	437 059	2 458 455	7 120 415
387 298	452 353	1 896 323	3 489 815	403 106	477 358	1 497 097	1 134 190	459 899	2 586 933	7 492 525
985 699	2 001 373	1 655 084	3 305 617	1 025 932	2 112 001	1 306 645	1 074 326	519 429	2 921 787	8 462 361
1 560 896	1 183 258	1 563 660	2 740 330	1 624 606	1 248 664	1 234 469	890 607	457 295	2 572 285	7 450 098
1 308 947	1 574 215	1 938 834	3 052 797	1 362 373	1 661 232	1 530 658	992 159	466 455	2 623 807	7 599 322
1 419 699	1 812 538	2 143 149	3 943 293	1 477 646	1 912 728	1 691 959	1 281 570	588 746	3 311 696	9 591 652
1 346 875	2 165 307	2 110 757	3 936 860	1 401 850	2 264 998	1 666 387	1 279 479	561 700	3 159 565	9 151 035
1 301 184	3 192 923	2 107 210	3 798 111	1 354 293	3 369 416	1 663 567	1 234 386	541 029	3 043 289	8 814 267
1 291 564	3 080 590	2 098 729	3 975 337	1 344 281	3 250 874	1 656 891	1 291 985	559 607	3 147 790	9 116 932
1 421 208	3 777 081	2 054 515	3 864 122	1 479 217	3 985 864	1 621 965	1 255 840	527 840	2 969 101	8 599 397
1 467 765	3 862 611	2 314 843	4 148 194	1 527 674	4 076 122	1 827 508	1 348 163	585 635	3 294 199	9 540 977
1 439 305	3 700 883	2 308 120	4 041 913	1 498 052	3 905 454	1 822 200	1 313 622	570 589	3 209 564	9 295 847
1 542 298	3 224 089	2 402 421	3 949 598	1 605 249	3 402 305	1 696 648	1 283 619	574 888	3 233 743	9 365 879
1 638 842	3 159 429	2 368 335	3 888 037	1 705 734	3 334 071	1 869 738	1 263 612	565 340	3 180 037	9 210 328
1 648 756	3 055 287	2 375 690	3 958 823	1 716 052	3 224 172	1 675 545	1 286 617	564 786	3 176 922	9 201 307
1 573 284	3 228 334	2 346 710	4 030 916	1 637 500	3 406 785	1 852 665	1 310 048	565 438	3 180 588	9 211 925
1 531 049	3 183 458	2 335 423	4 079 153	1 593 541	3 359 428	1 843 755	1 325 725	570 399	3 208 493	9 292 745
1 607 714	3 233 122	2 348 672	4 117 867	1 673 335	3 411 838	1 854 215	1 338 307	579 850	3 261 654	9 446 717
1 643 531	3 103 687	2 380 283	3 967 720	1 710 614	3 275 248	1 879 171	1 289 509	574 107	3 229 351	9 353 157
1 658 283	2 733 608	2 380 772	3 950 083	1 725 968	2 884 712	1 879 557	1 283 777	578 511	3 254 124	9 424 907
1 671 039	2 923 855	2 366 754	3 928 761	1 739 245	3 085 475	1 868 490	1 276 847	586 805	3 300 776	9 560 024
1 676 770	2 291 228	2 359 585	3 742 839	1 745 210	2 417 878	1 862 830	1 216 423	584 763	3 289 291	9 526 762
1 640 785	2 630 207	2 387 678	3 838 937	1 707 756	2 775 595	1 885 009	1 247 654	564 228	3 173 782	9 192 212
1 677 098	2 794 922	2 421 640	3 995 652	1 745 551	2 949 415	1 911 821	1 298 587	589 219	3 314 356	9 599 356
1 664 512	2 654 785	2 408 590	3 898 329	1 732 452	2 801 531	1 901 518	1 268 957	581 972	3 273 594	9 481 297
1 665 973	2 567 208	2 416 583	3 881 638	1 733 972	2 709 113	1 907 829	1 261 532	573 002	3 223 136	9 335 158
1 723 014	2 627 376	2 397 978	3 830 595	1 793 352	2 772 610	1 893 140	1 244 944	561 772	3 159 967	9 152 201
1 668 320	2 700 860	2 401 033	4 034 236	1 736 415	2 850 154	1 895 553	1 311 127	572 448	3 220 018	9 326 125

FIG.4

15	16	17	18	19	20	21	22	24	25	26
HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)	HTC, kcal/ (m ² *K)
471.19	1 208.38	1 137.70	454.53	675.82	389.11	1 388.00	304.35	328.26	353.42	630.54
451.18	1 107.86	1 083.19	480.78	598.03	338.40	1 290.27	312.83	327.49	354.52	640.95
433.30	775.91	977.91	406.26	431.21	221.69	1 031.68	268.44	349.02	334.45	594.13
452.05	687.99	817.48	352.30	434.81	258.27	919.03	248.25	358.28	306.97	515.25
452.05	297.59	155.37	143.35	291.86	59.34	113.67	81.91	152.92	182.54	384.84
585.29	887.11	1 007.07	439.15	771.62	507.60	1 215.35	372.32	588.21	344.11	567.14
430.88	616.27	946.61	352.52	340.85	312.43	956.71	251.34	471.34	324.61	542.56
634.47	685.22	963.54	346.41	596.86	251.02	963.60	204.95	386.48	362.68	628.58
563.27	873.38	1 028.33	451.47	558.67	362.14	1 097.28	280.36	423.82	386.01	656.60
549.86	1 014.00	1 263.17	489.19	579.84	423.34	1 433.55	296.18	413.50	392.20	660.98
499.65	1 100.69	1 372.67	534.51	564.91	365.52	1 694.78	339.99	429.57	380.21	655.11
505.70	1 095.76	1 344.69	532.33	591.40	376.09	1 696.31	344.16	432.66	380.53	657.62
510.77	1 275.52	1 471.34	615.94	643.81	396.96	1 980.56	406.74	462.86	402.71	691.29
533.78	1 187.80	1 459.67	565.26	642.11	367.88	1 789.39	353.66	437.01	394.38	680.14
527.14	1 324.31	1 539.07	583.16	629.63	445.95	1 914.41	364.41	440.99	394.03	679.27
591.92	1 215.86	1 523.84	521.91	657.87	408.83	1 639.00	325.81	430.41	384.29	652.54
572.00	1 159.44	1 524.04	520.99	589.47	385.34	1 641.43	330.22	437.72	387.61	659.88
564.89	1 143.69	1 426.34	529.13	575.19	392.39	1 542.83	325.03	426.96	392.27	672.00
570.87	1 124.47	1 426.71	498.65	612.81	357.98	1 590.03	307.01	412.80	385.08	672.75
563.47	1 225.18	1 474.92	496.88	631.87	404.72	1 699.20	297.65	394.98	388.06	677.22

FIG.5

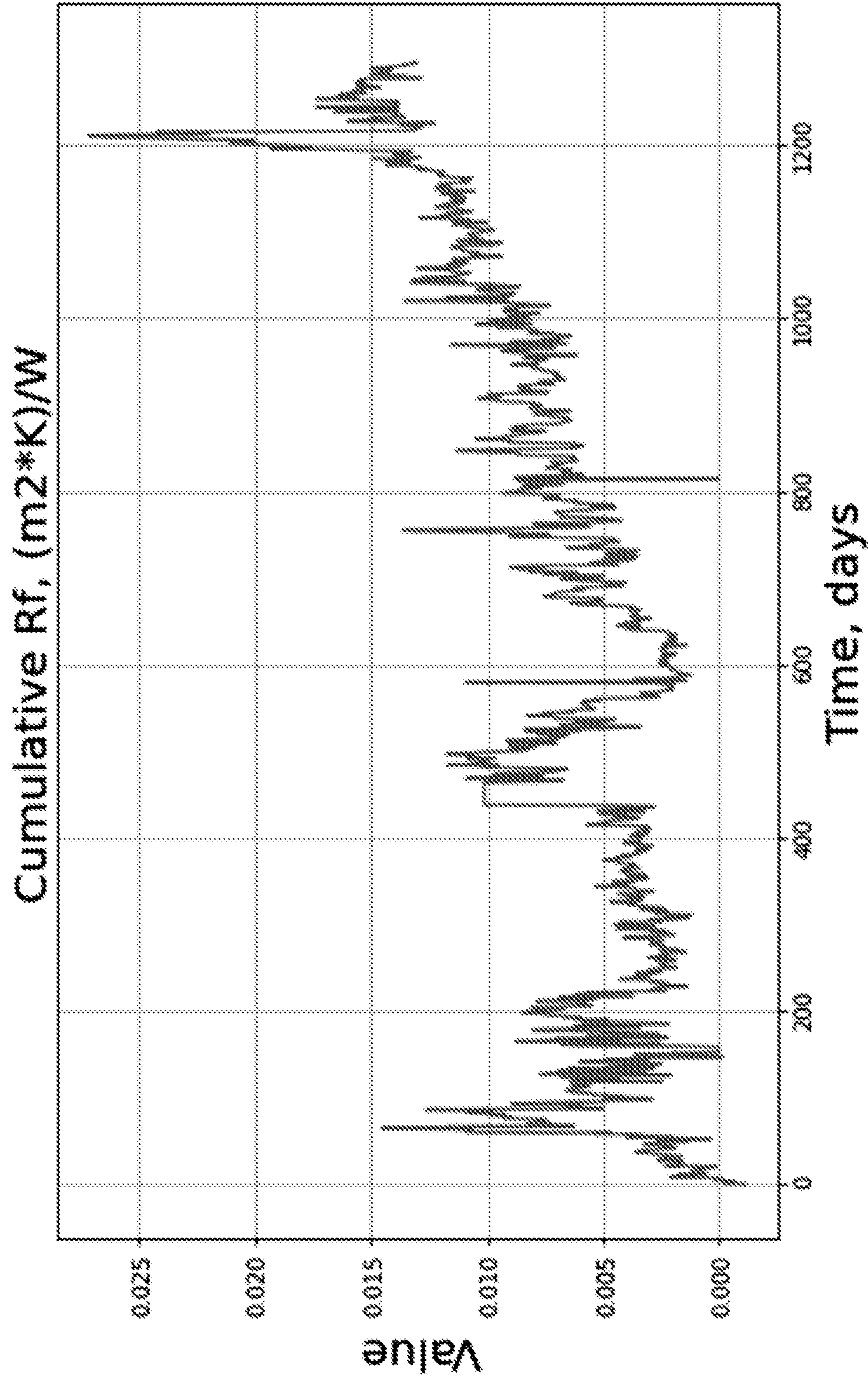


FIG.6

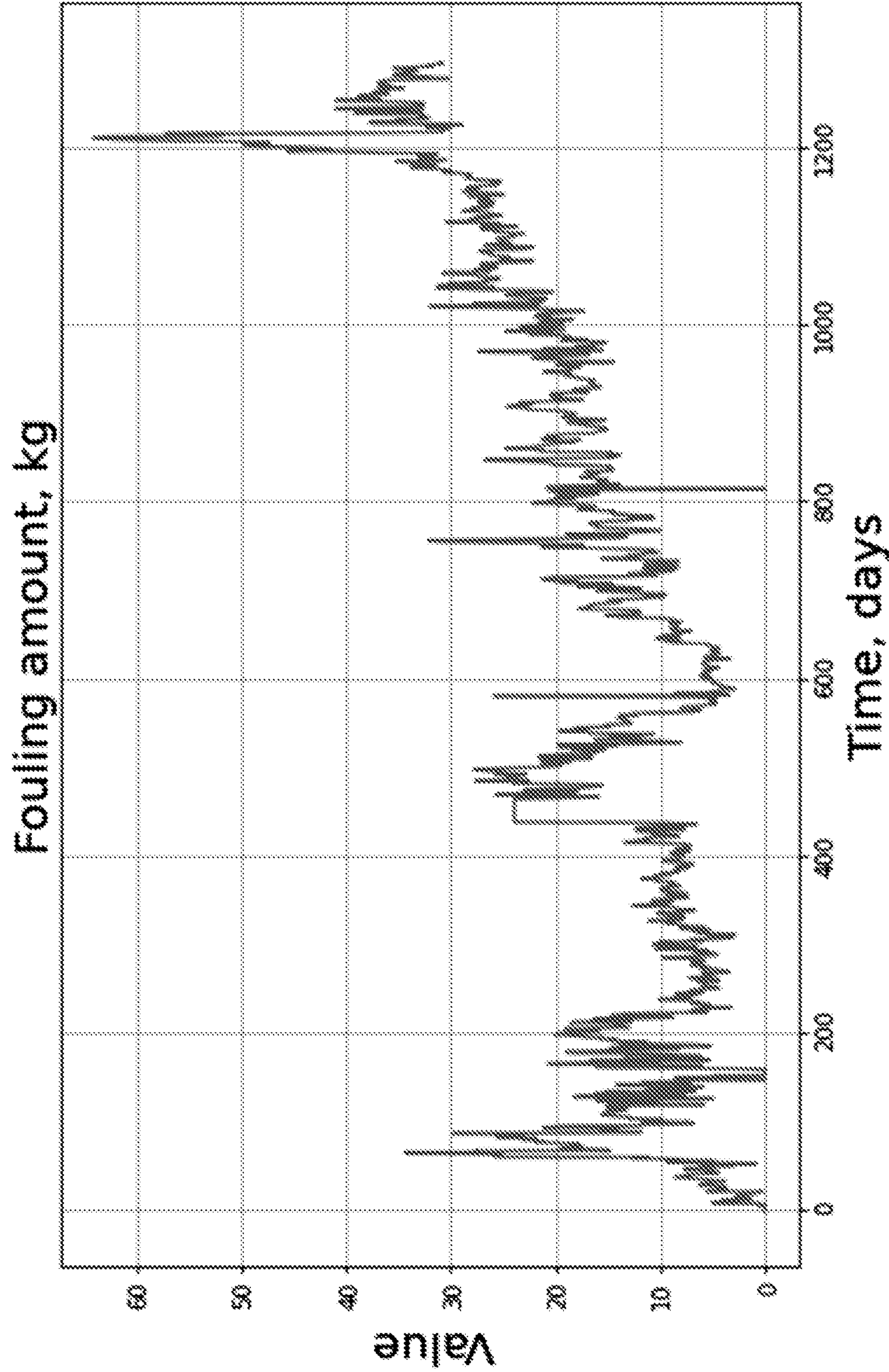


FIG.7

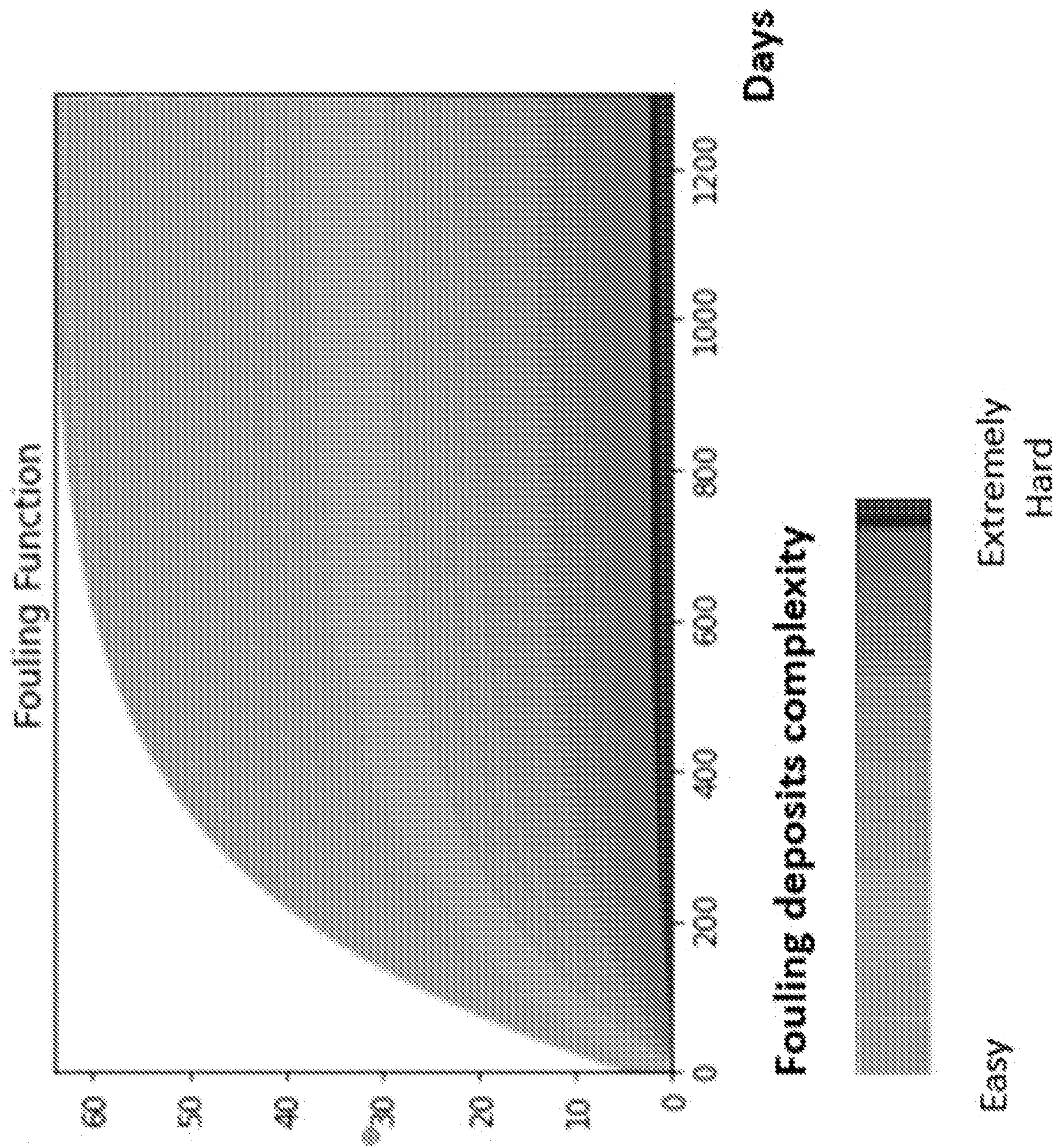


FIG.8

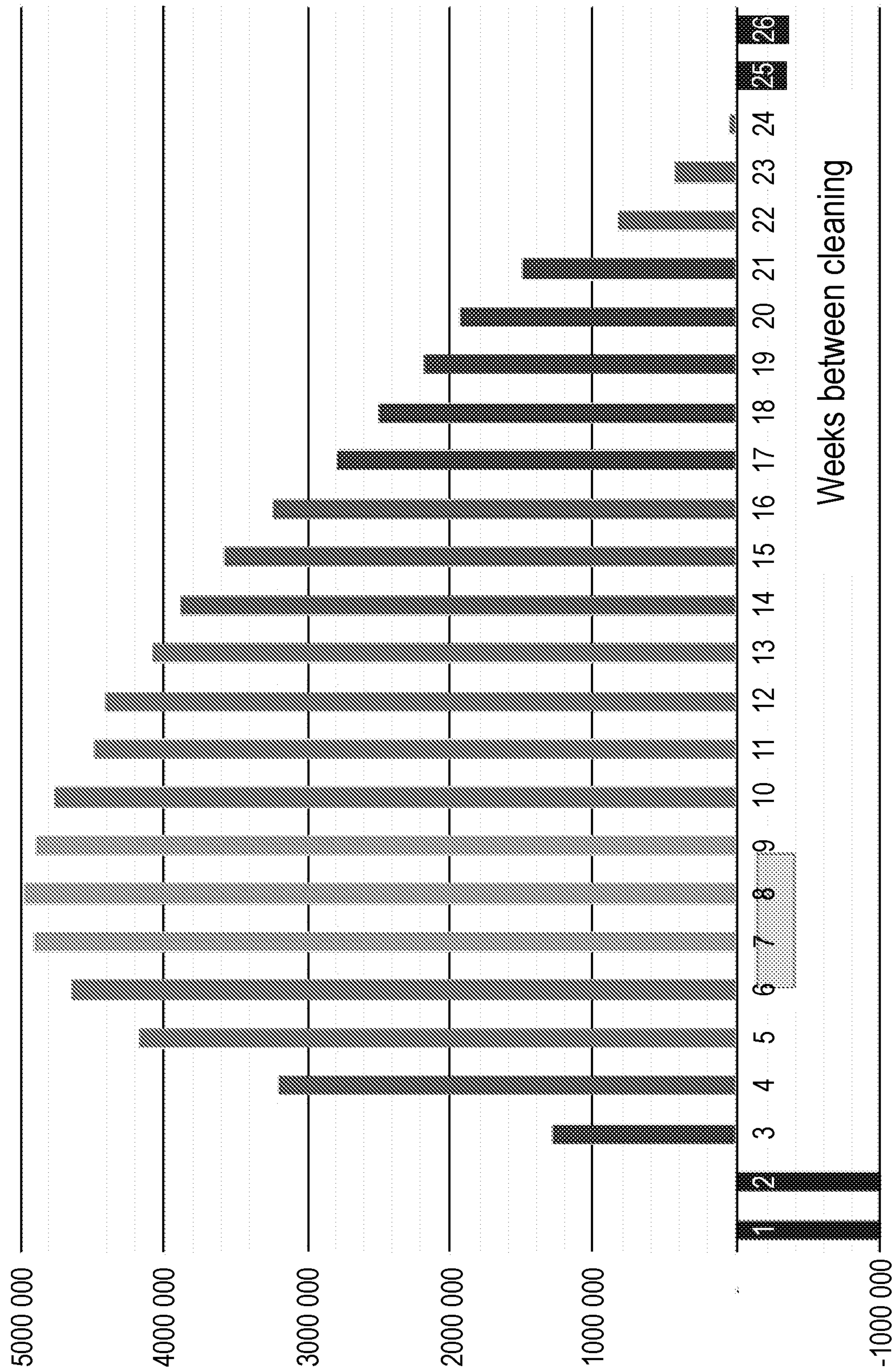


FIG.9

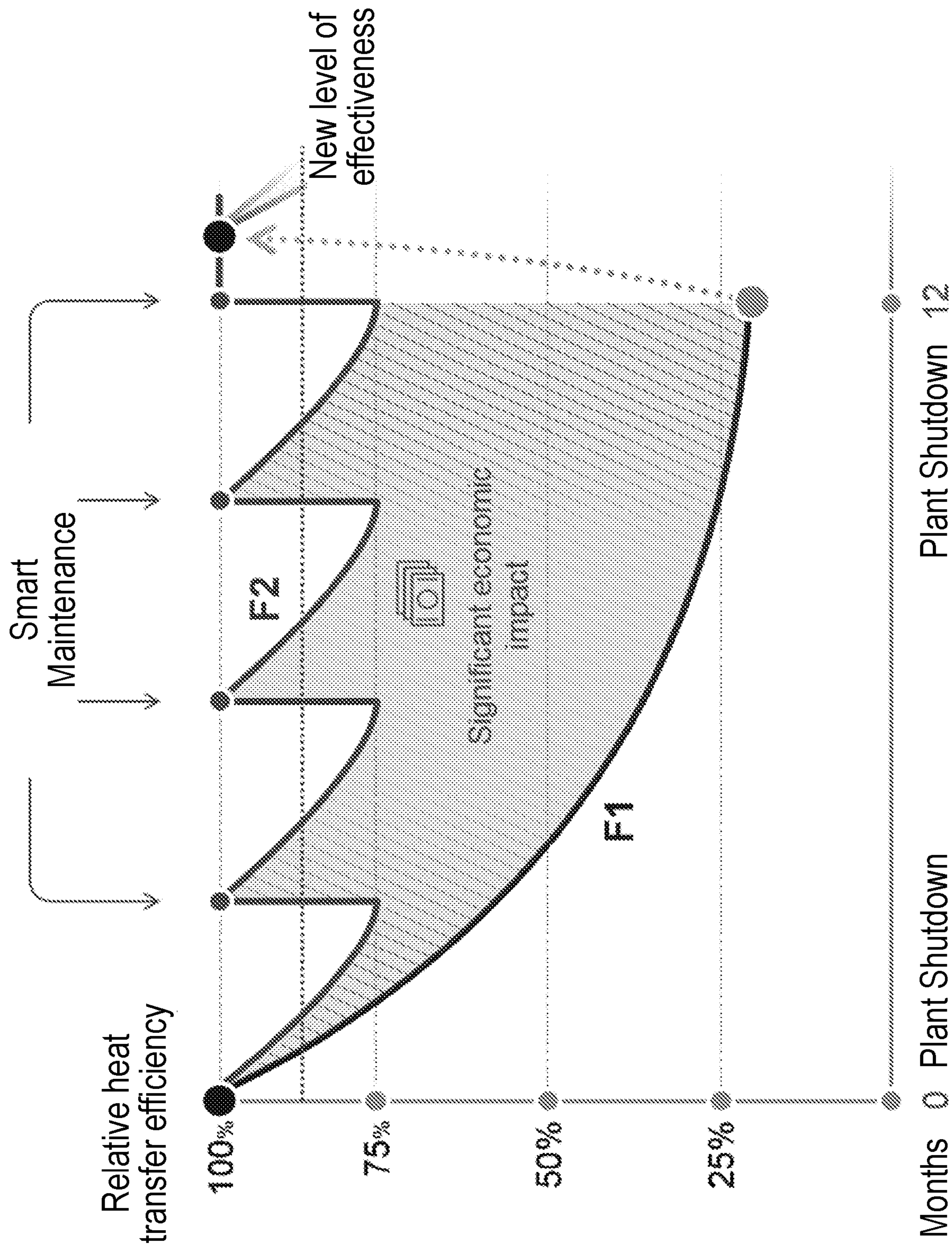


FIG.10

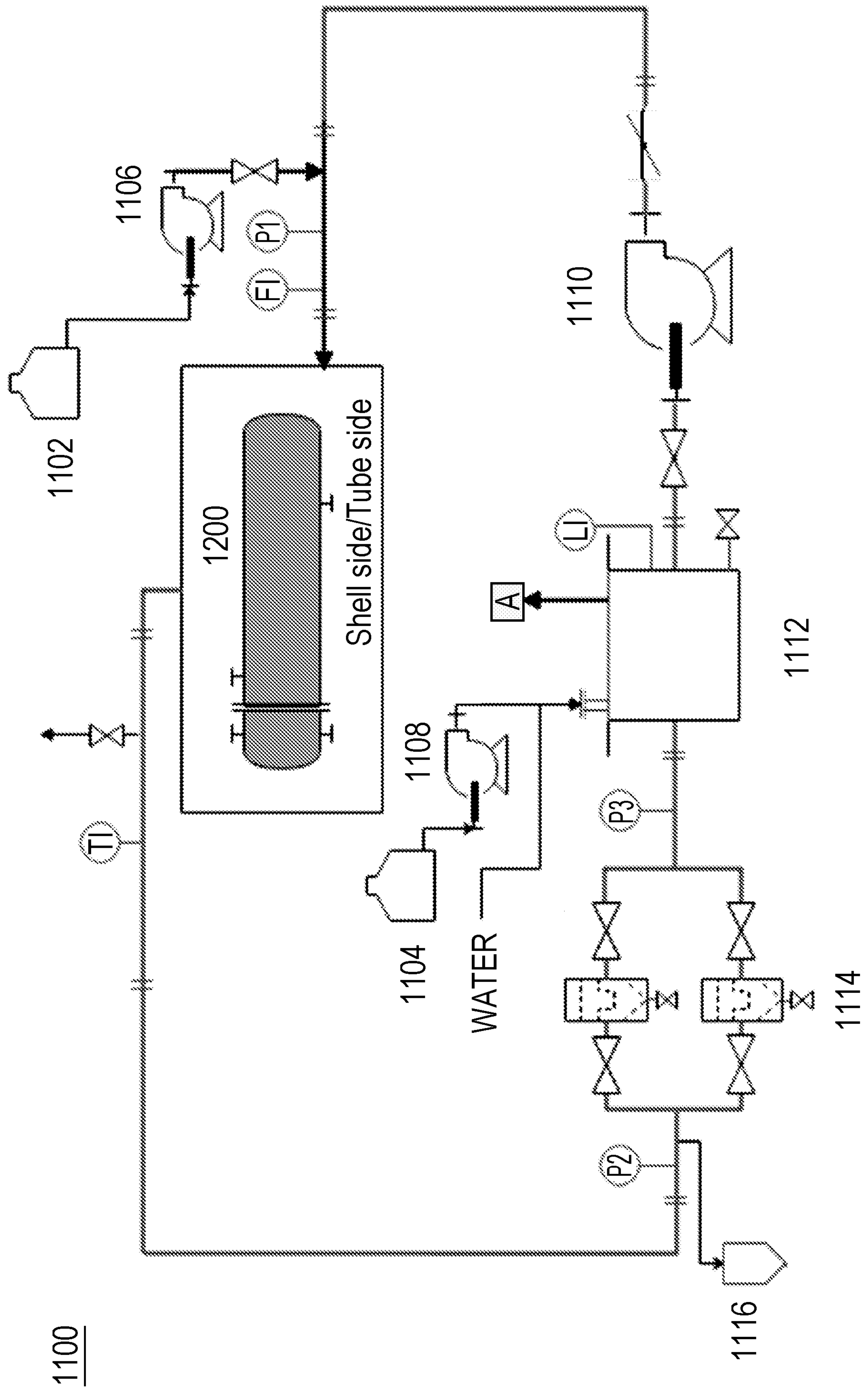


FIG. 11

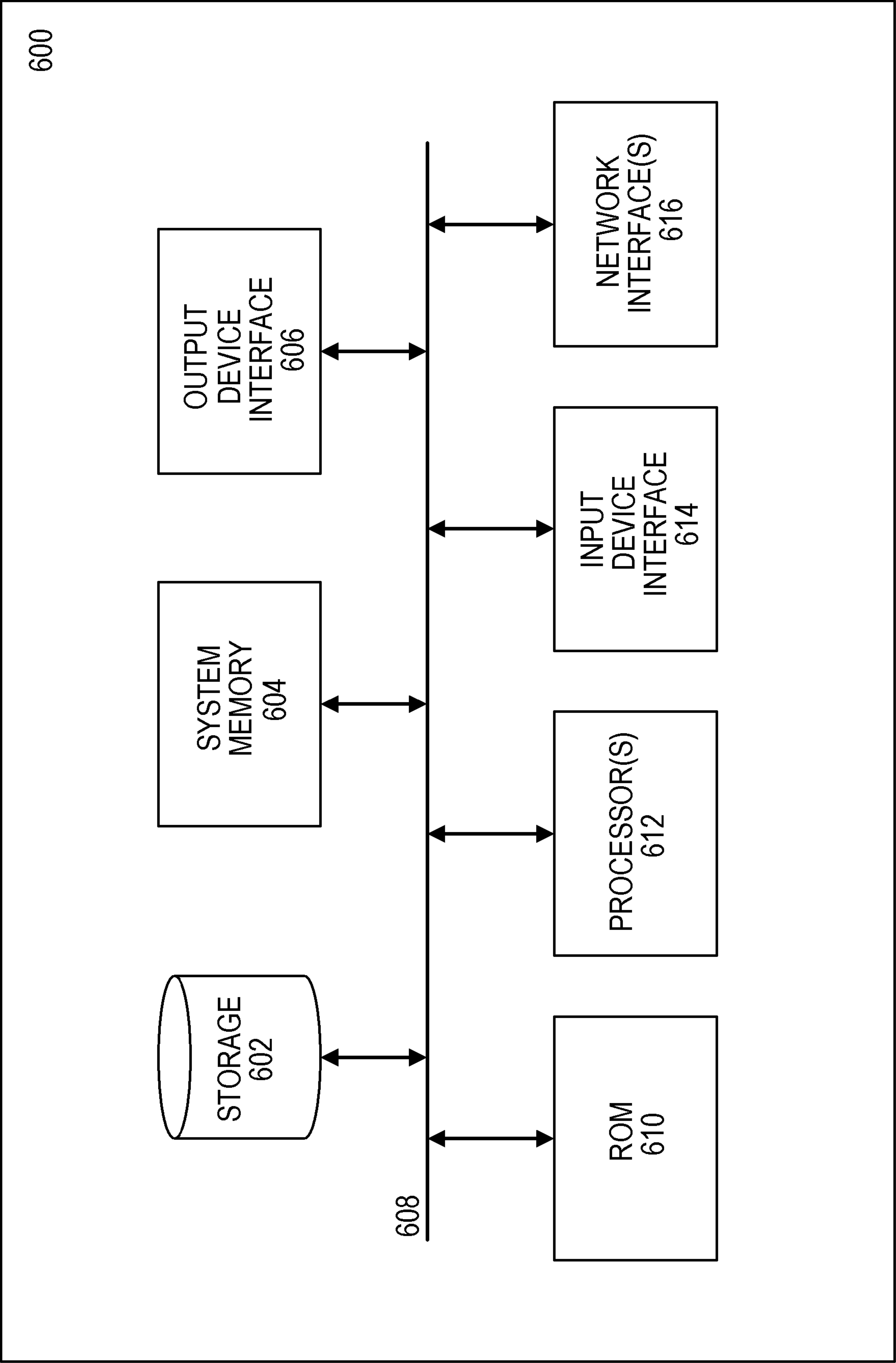


FIG.12