

Activated Sludge Process	SRT (days)	F:M Ratio (BOD/MLVSS)	DO (mg/L)	Vol. Load (BOD/d/10 ³ ft. ³)	MLSS (mg/L)	HRT (hours)	Recycle Ratio
Conventional	5-15	0.2-0.4	1-3	20-40	1500-3000	4-8	0.25-0.75
Complete Mix	5-15	0.2-0.6	1-3	50-120	2500-4000	3-5	0.25-1.0
Extended Aeration	20-30	0.05-0.15	1-3	10-25	3000-6000	18-36	0.5-1.5
High Rate Aeration	5-10	0.4-1.5	1-3	100-1000	4000-10000	2-4	1.0-5.0
Covered Basin-HPO	3-10	0.25-1.0	2-20	100-200	2000-5000	1-3	0.25-0.5
Oxidation Ditch	10-30	0.05-0.30	1-3	5-30	3000-6000	8-36	0.75-1.50

FIG. 1

2/7

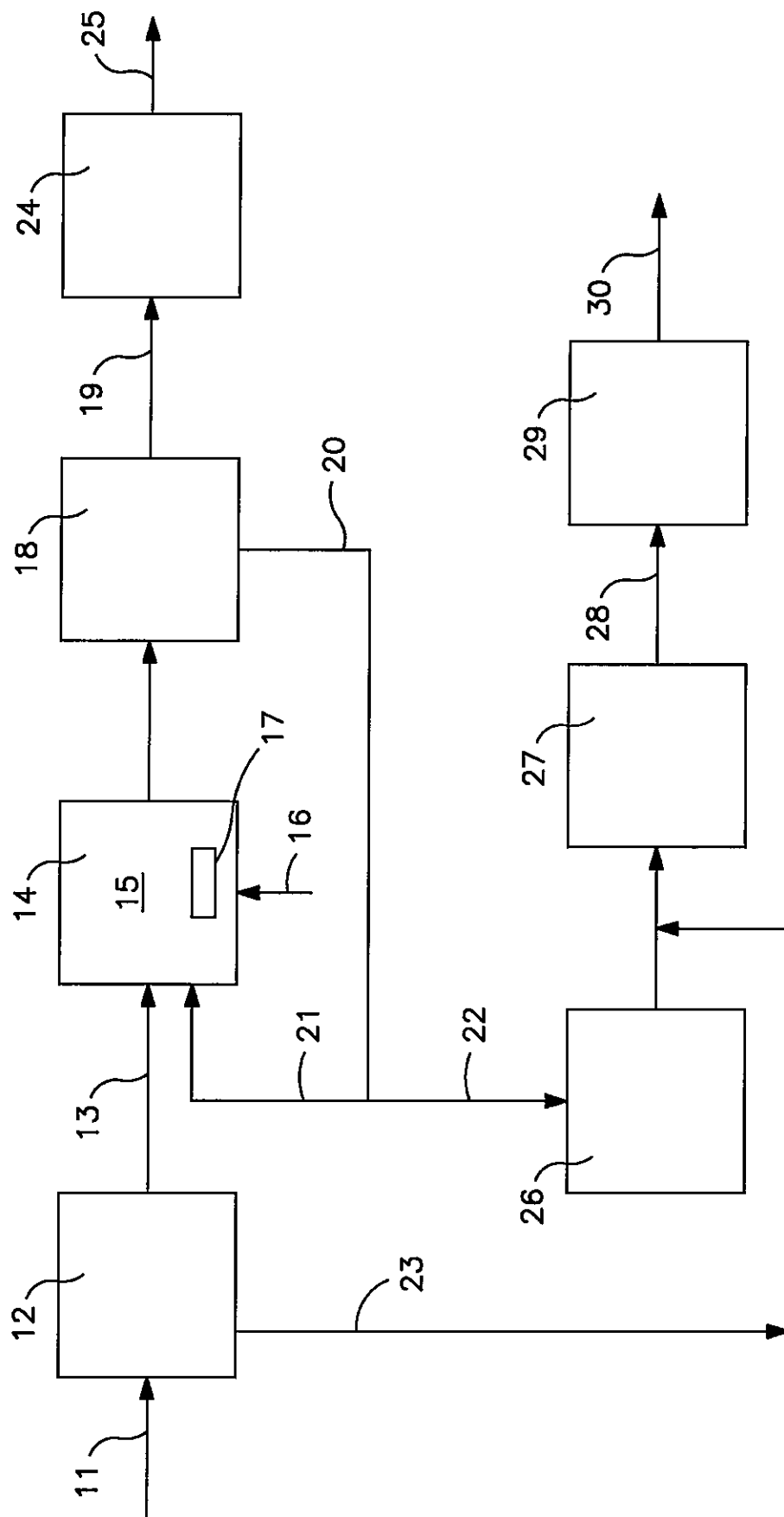


FIG. 2

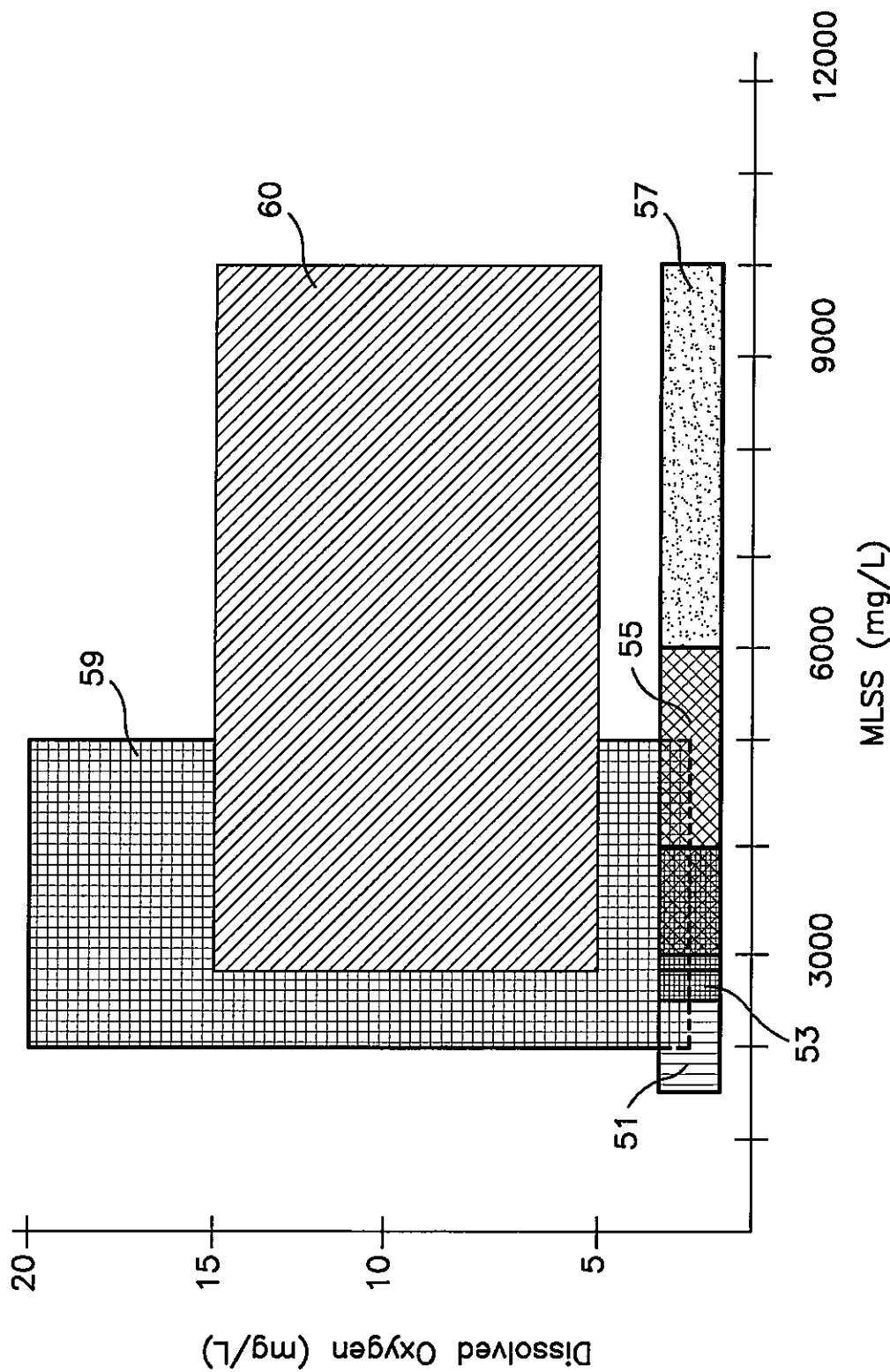
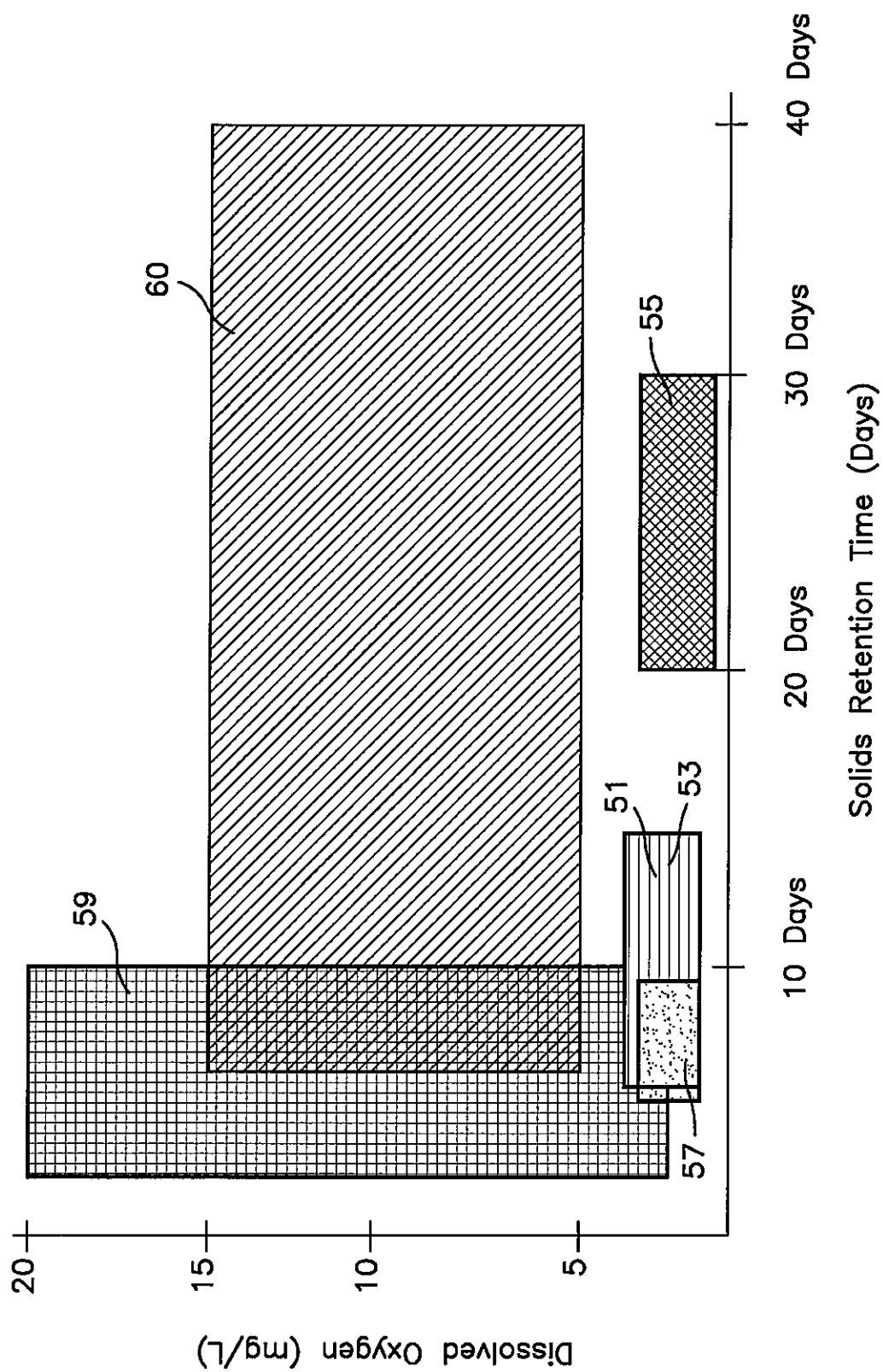


FIG. 3

4/7

**FIG. 4**

5/7

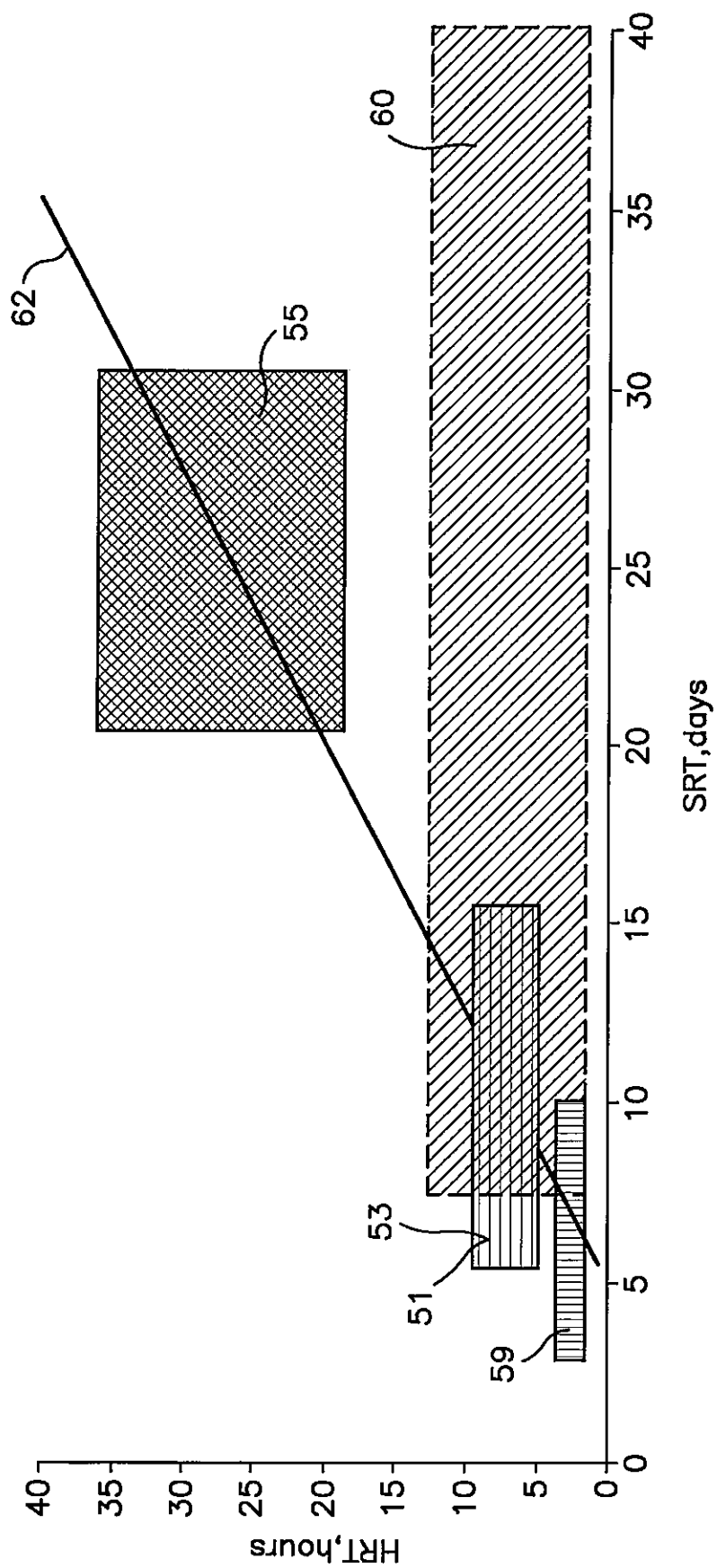
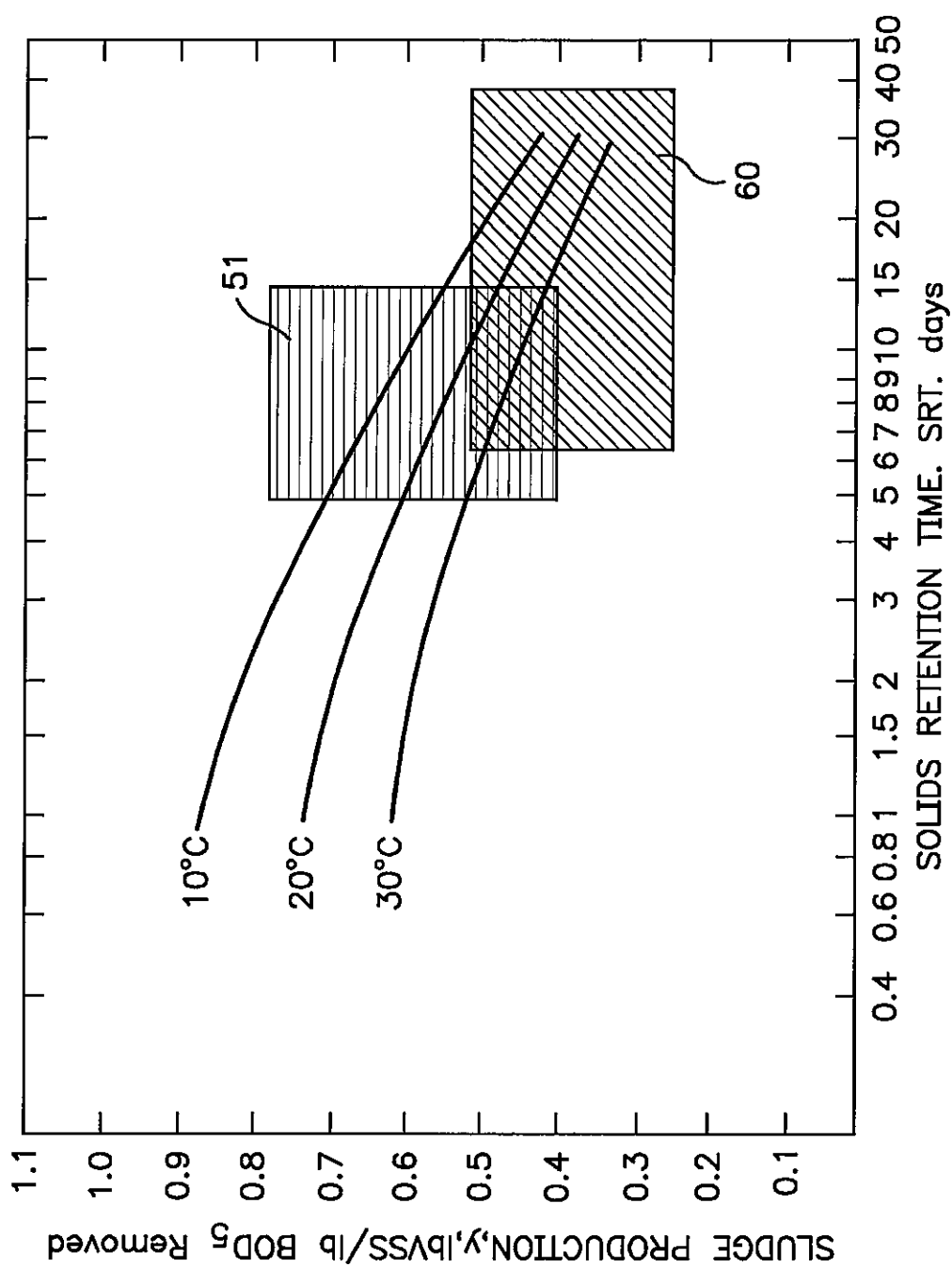


FIG. 5

6/7

**FIG. 6**

7/7

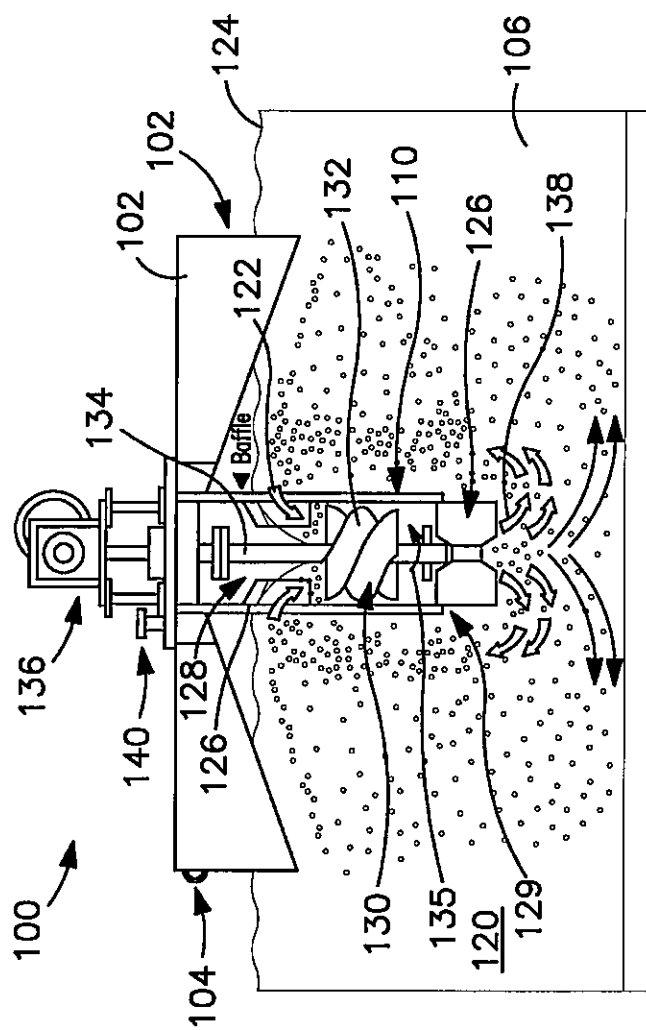


FIG. 7