

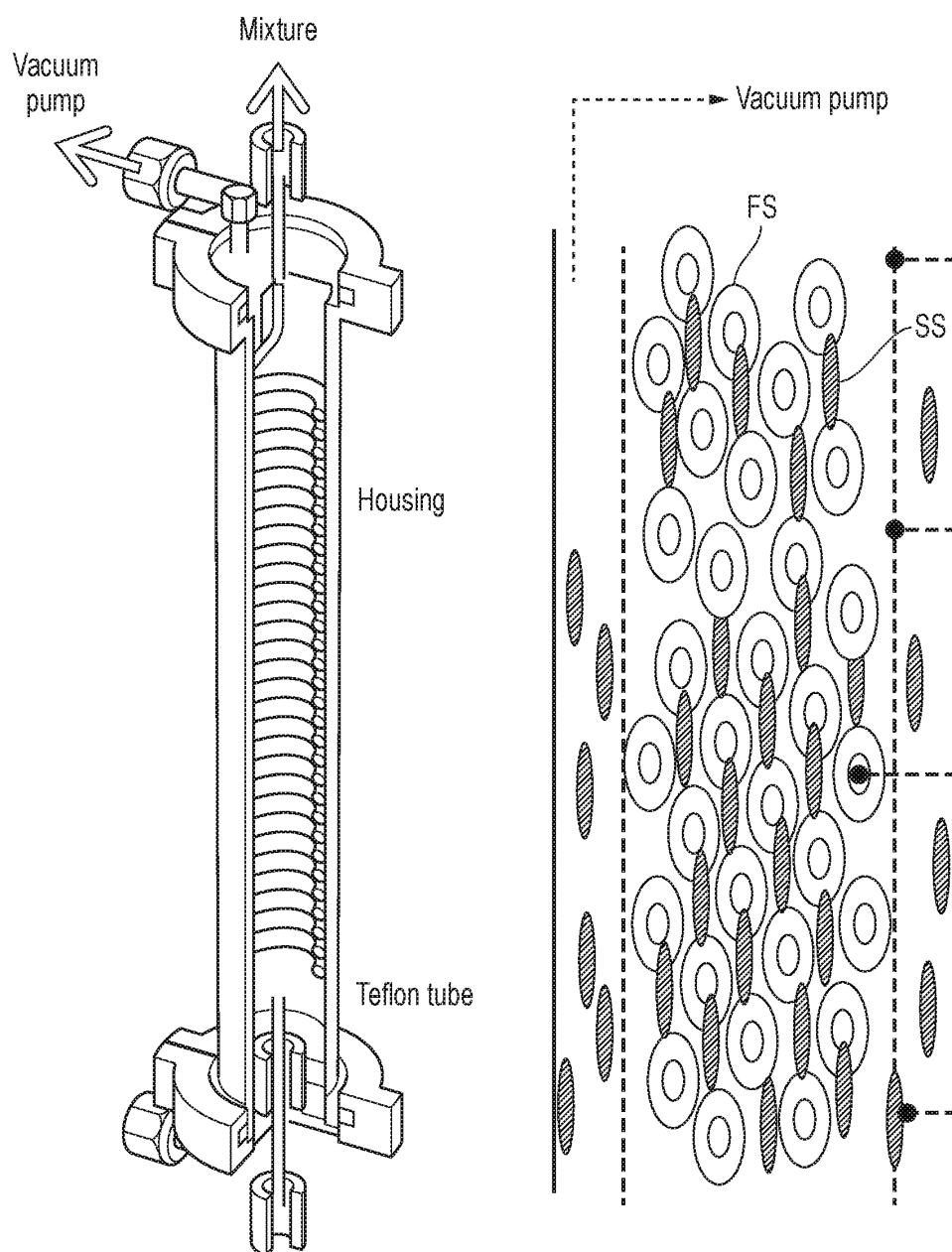


FIG. 1

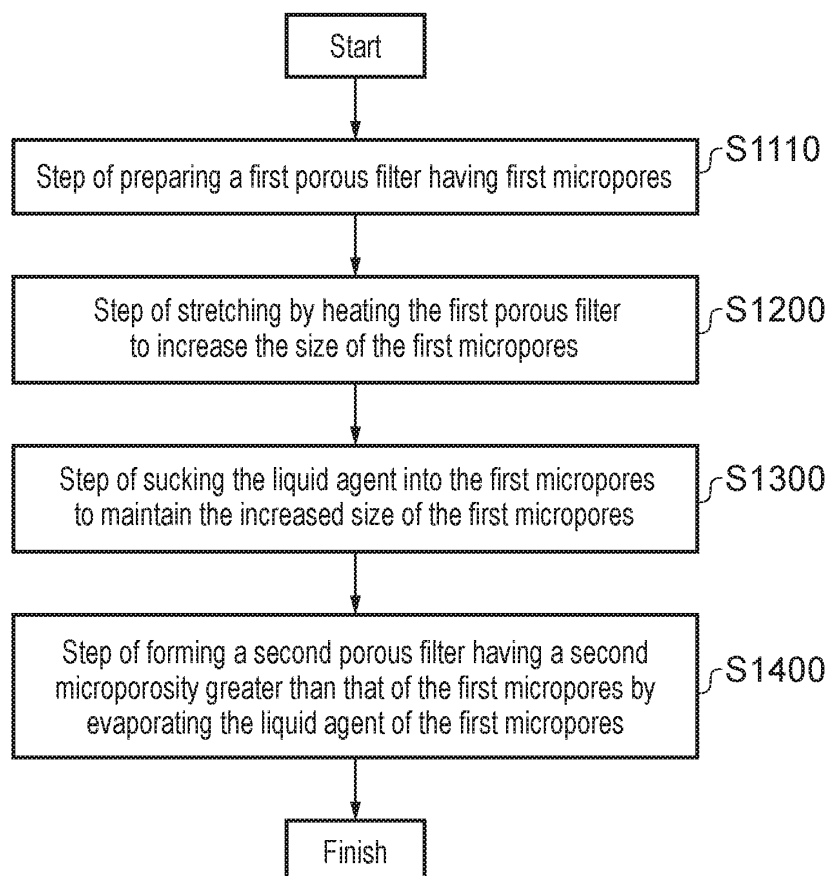


FIG. 2

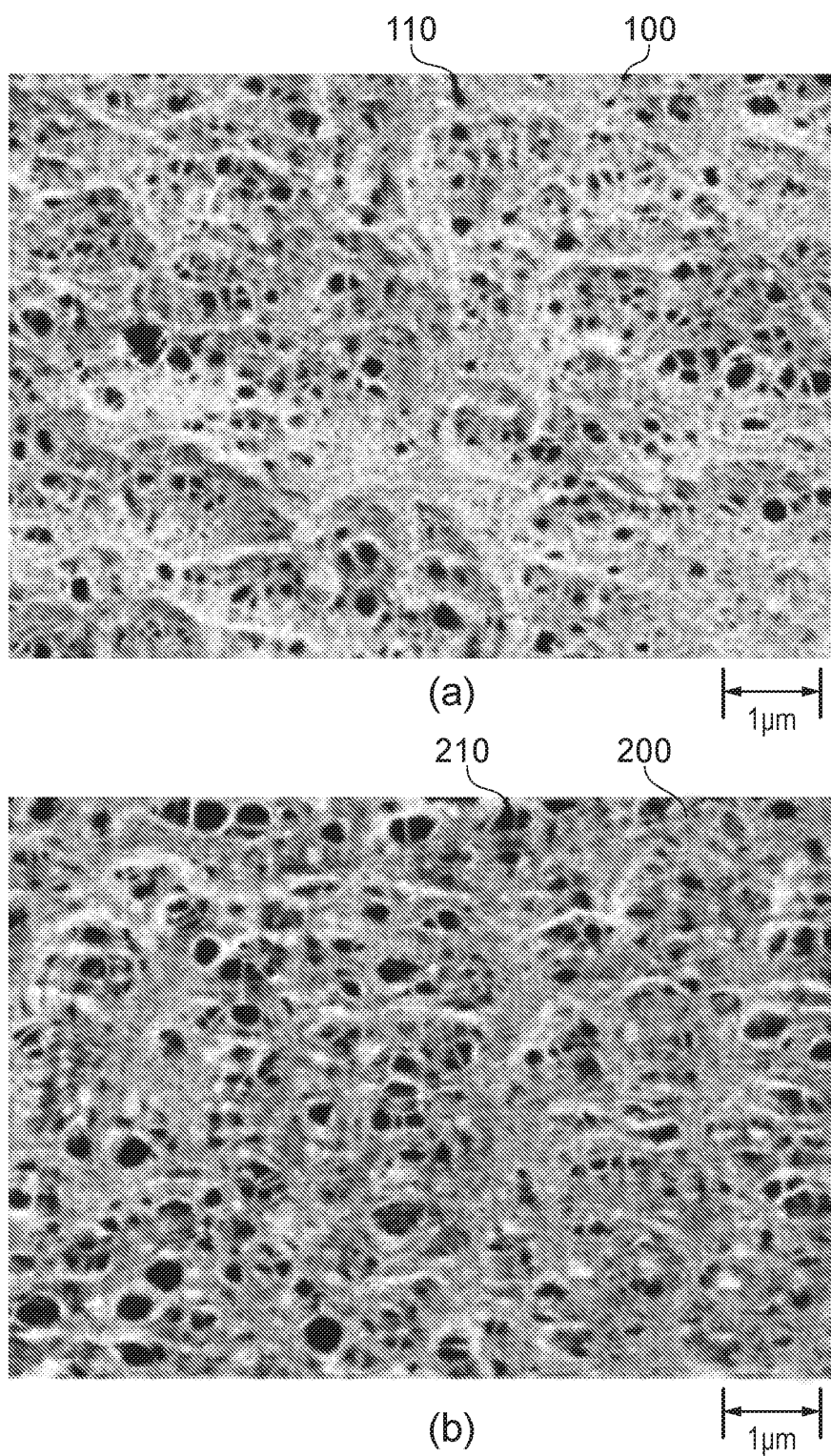


FIG. 3

✓ Experiment conditions

Gas	Sample Type	PFA tube (25cm) Use	Existing pressure	Number of experiments	Data processing
He	Existing gas	3ea	30 ± 2.5psi	10 times per lea for each PFA tube	Average: excluding highest/lowest values
Ar	Target gas	20ea		10 times per lea for each PFA tube	Average: excluding highest/lowest values

- Container: PFA Pressure JAR (Max 50 psi)
- Heating block: Graphite (only used at the time of Tube processing)
- At time of experiment: Heating (X), room temperature 22 ± 3°C

FIG. 4

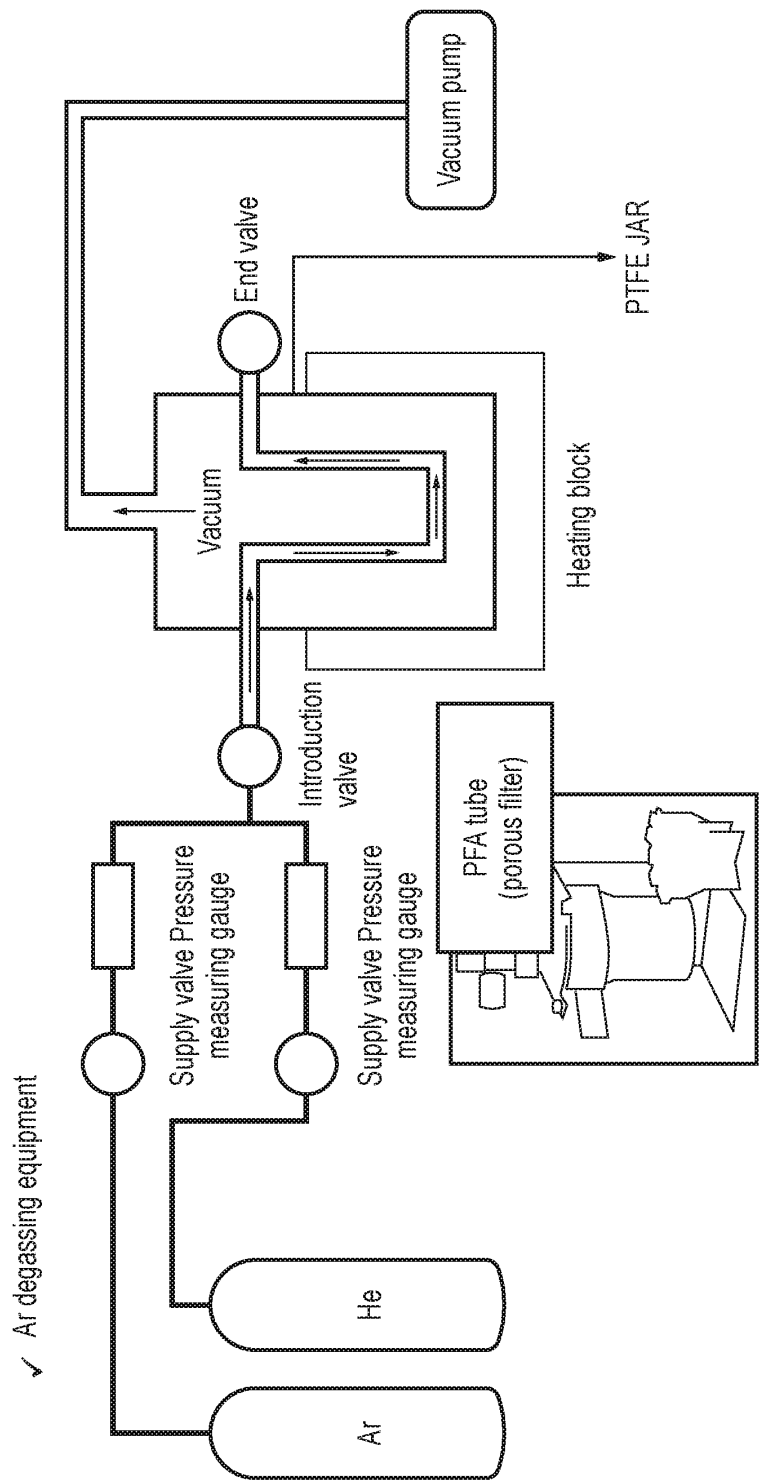


FIG. 5

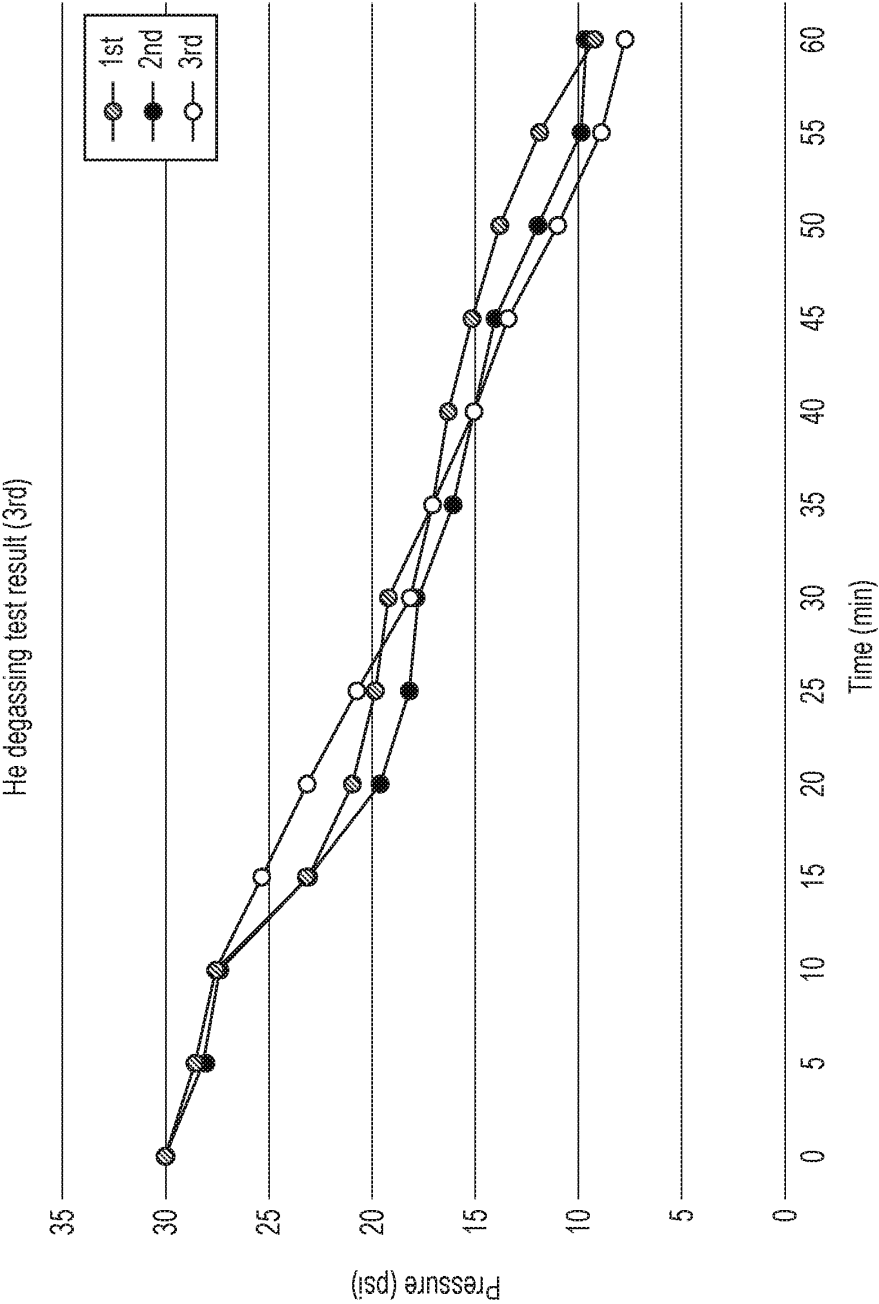


FIG. 6

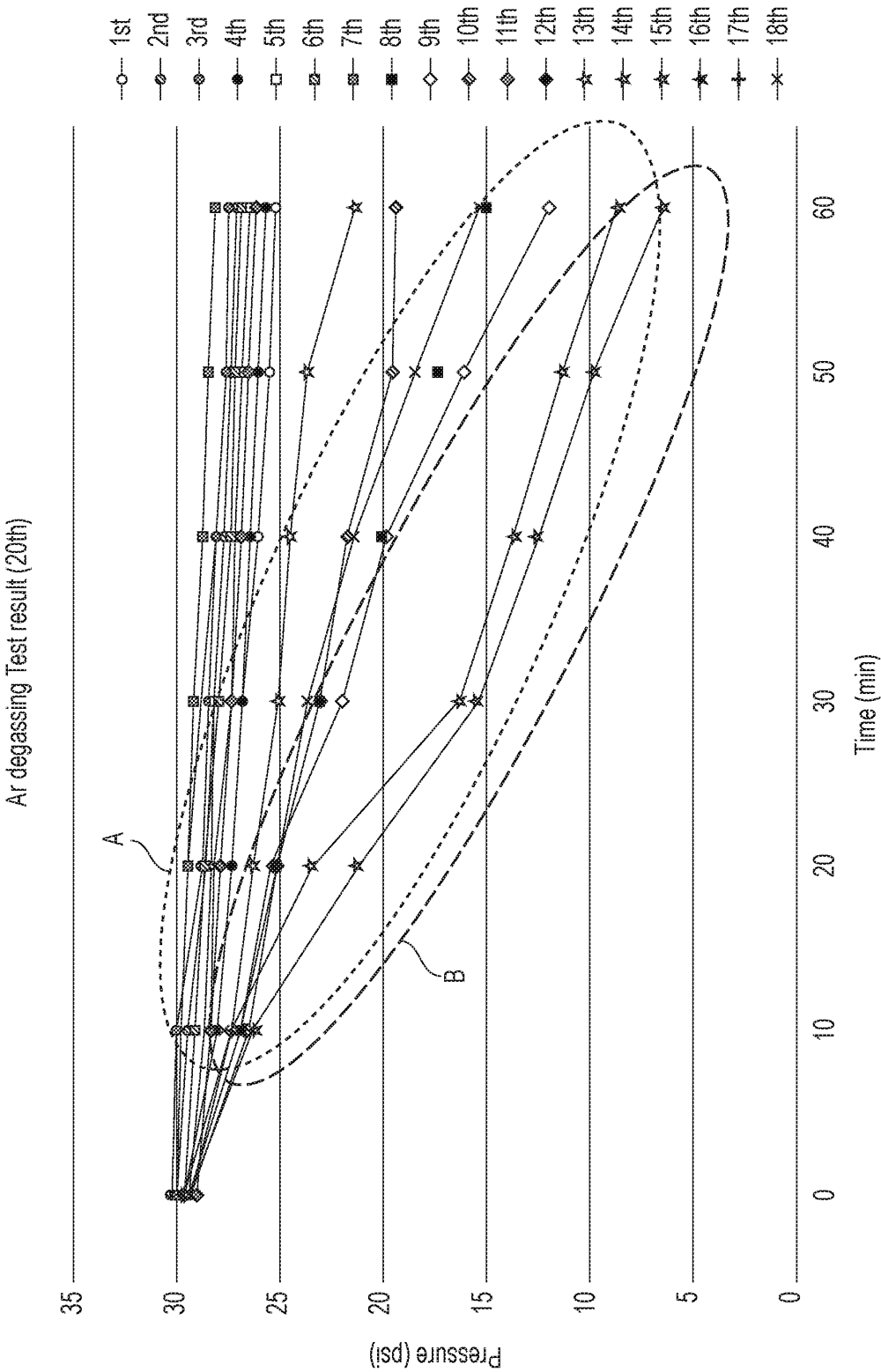


FIG. 7

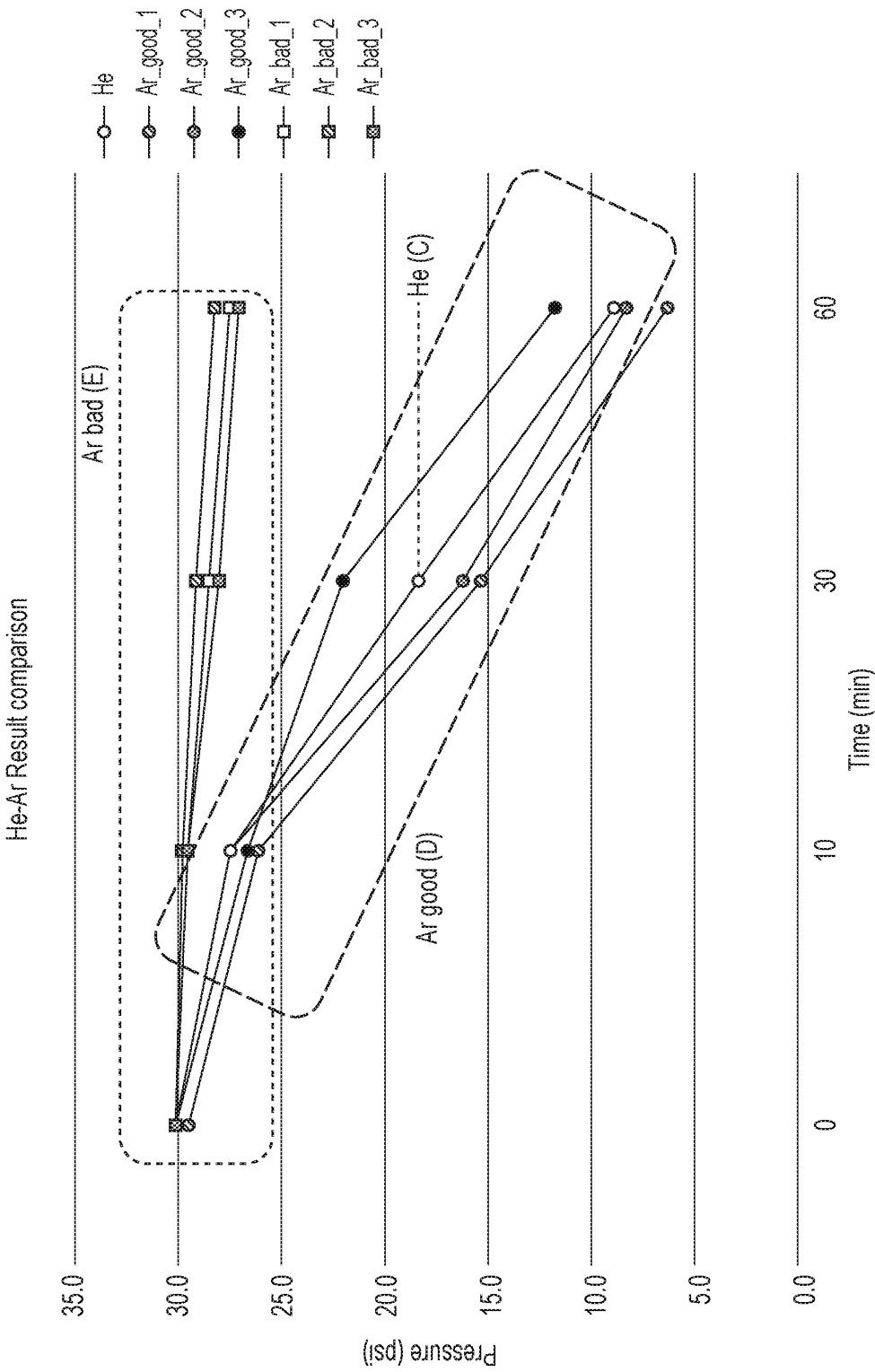


FIG. 8

							Unit (psi)
Min	He	Ar_good_1	Ar_good_2	Ar_good_3	Ar_bad_1	Ar_bad_2	Ar_bad_3
0	30.1	29.6	29.9	30.1	30.1	30.1	30.1
10	27.5	26.3	27.5	26.7	29.8	29.8	29.5
30	18.4	15.4	16.3	22.1	28.4	29.1	28.0
60	9.1	6.5	8.5	11.9	27.4	28.1	27.1

FIG. 9