

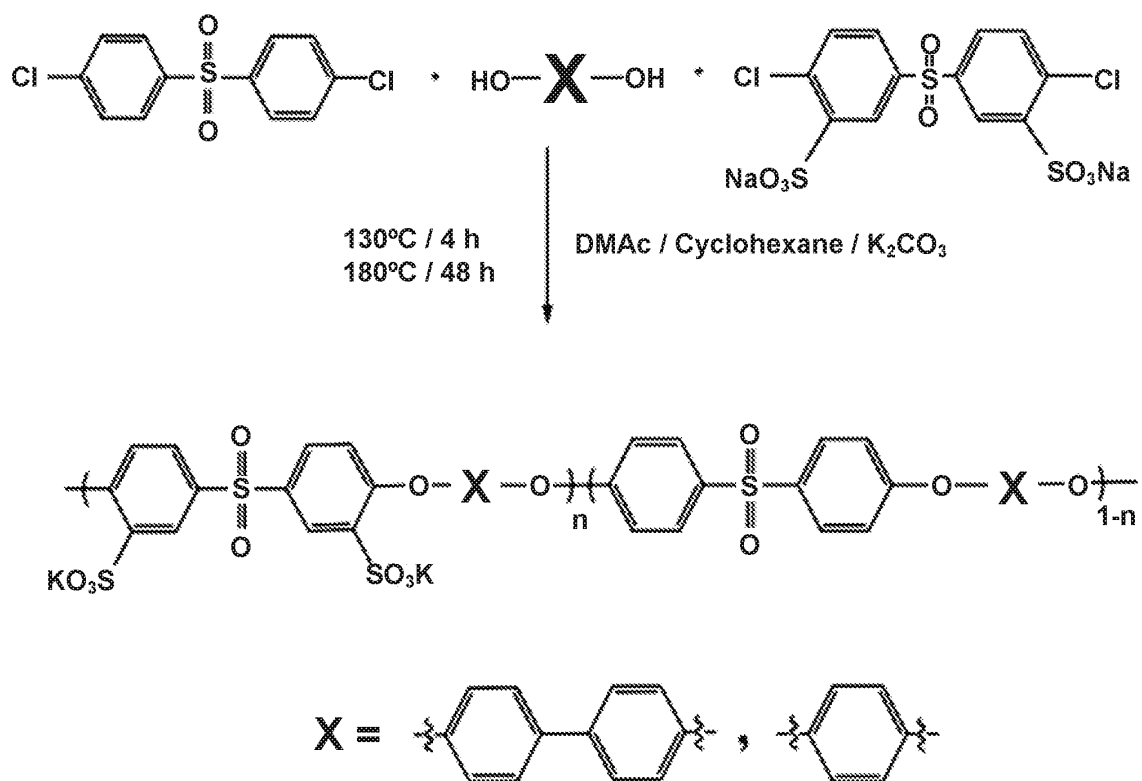


FIG. 1

2/33

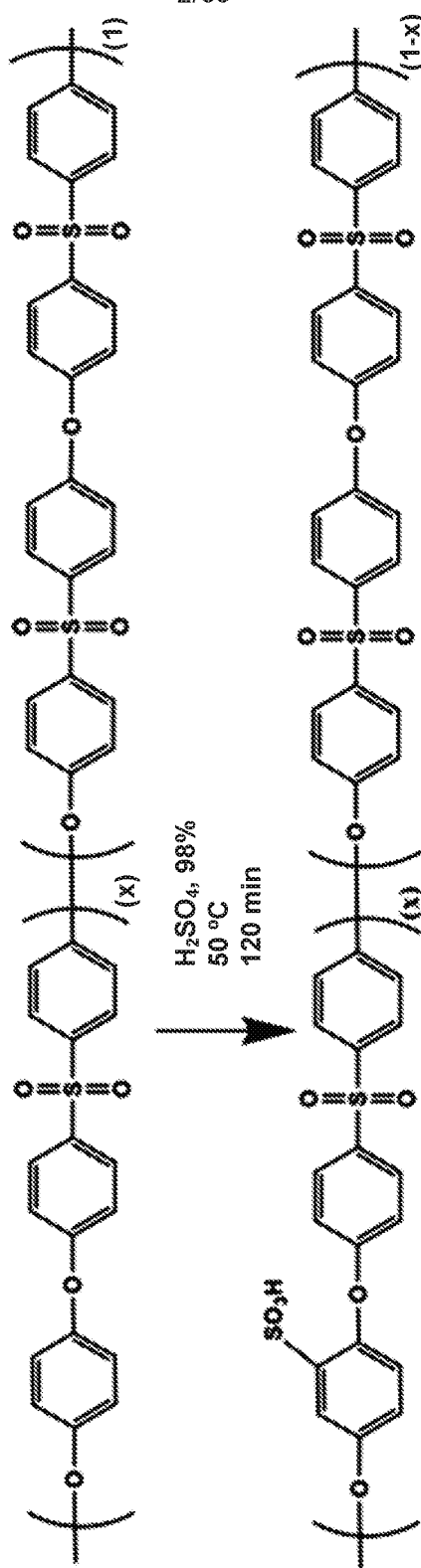


FIG. 2

3/33

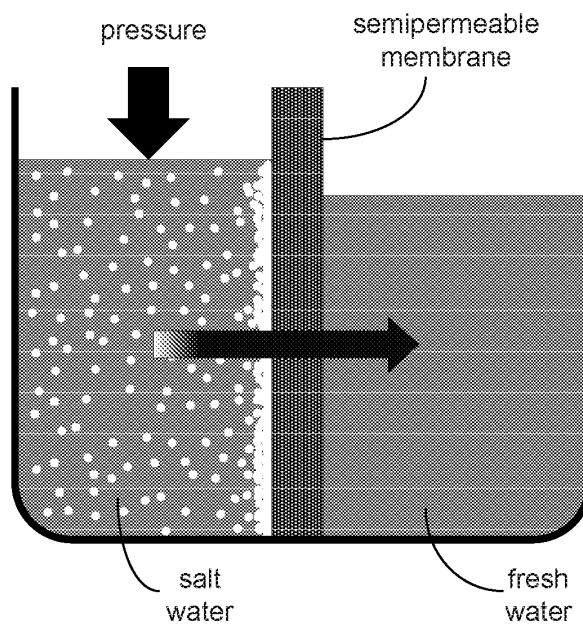


FIG. 3

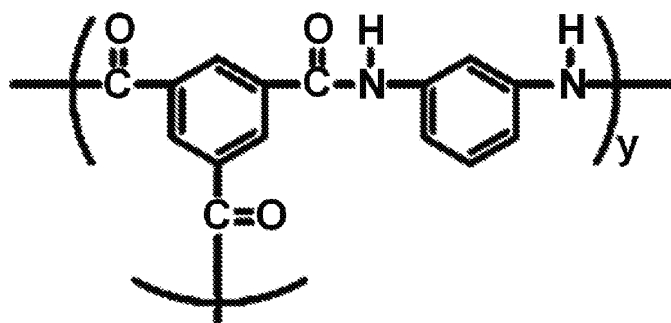


FIG. 4

REPLACEMENT SHEET

SUBSTITUTE SHEET (RULE 26)

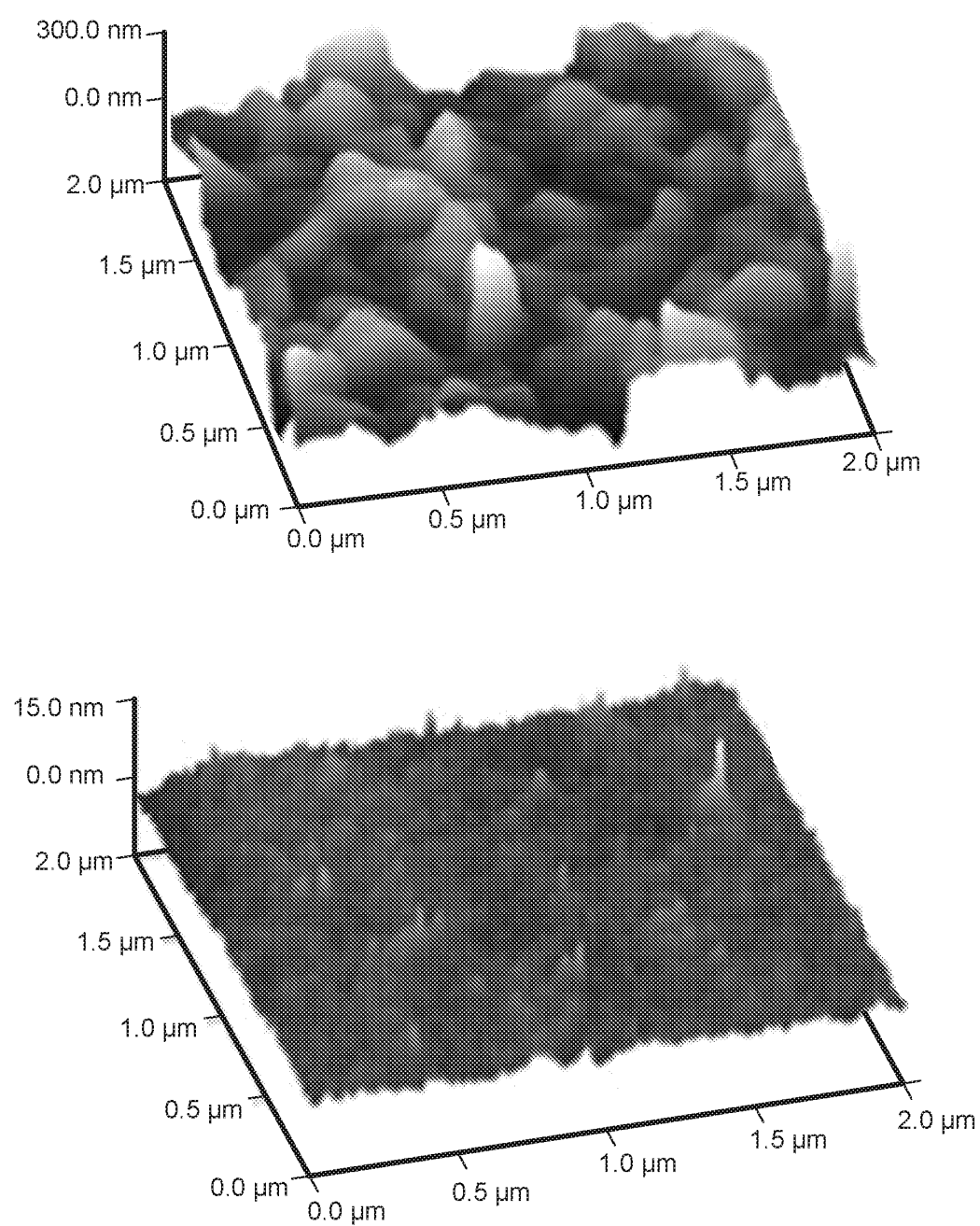


FIG. 5

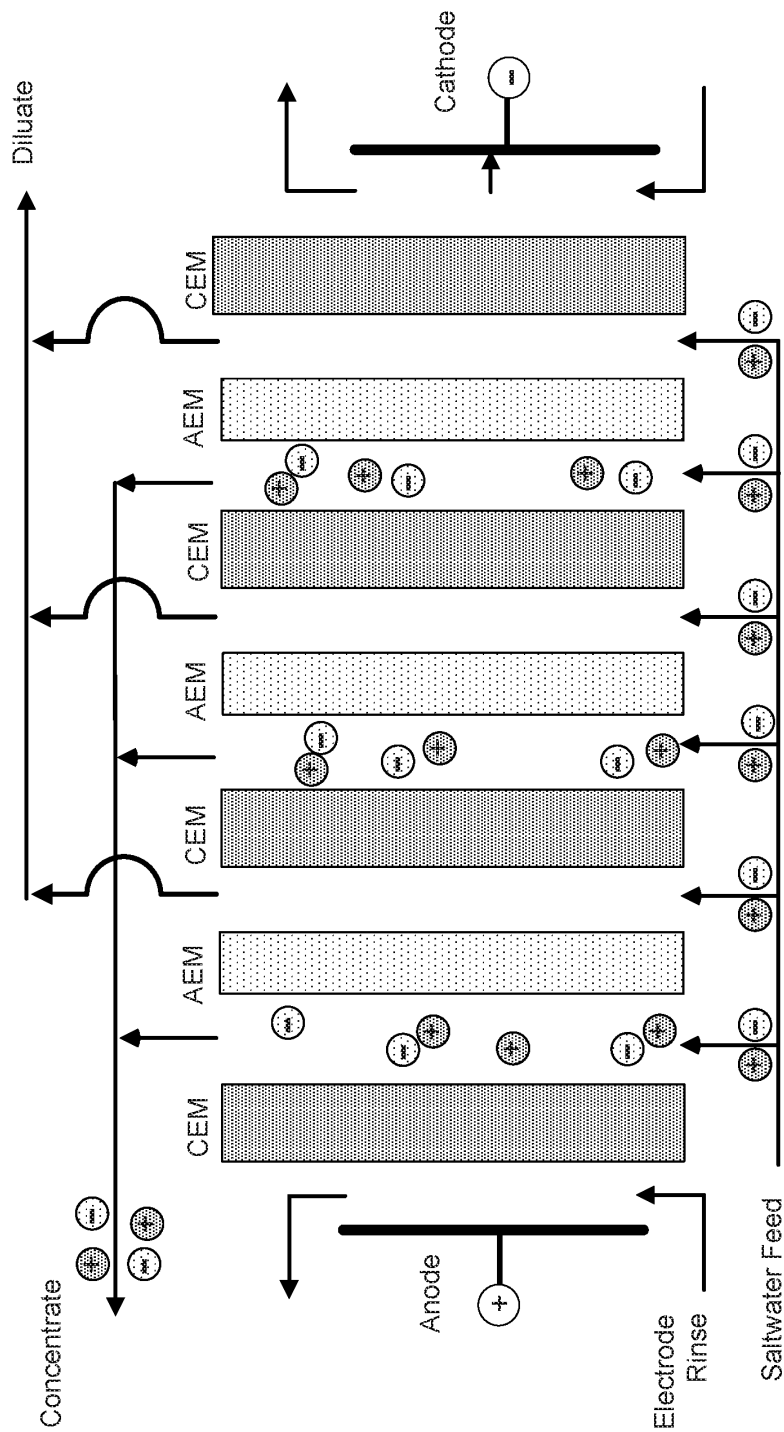


FIG. 6

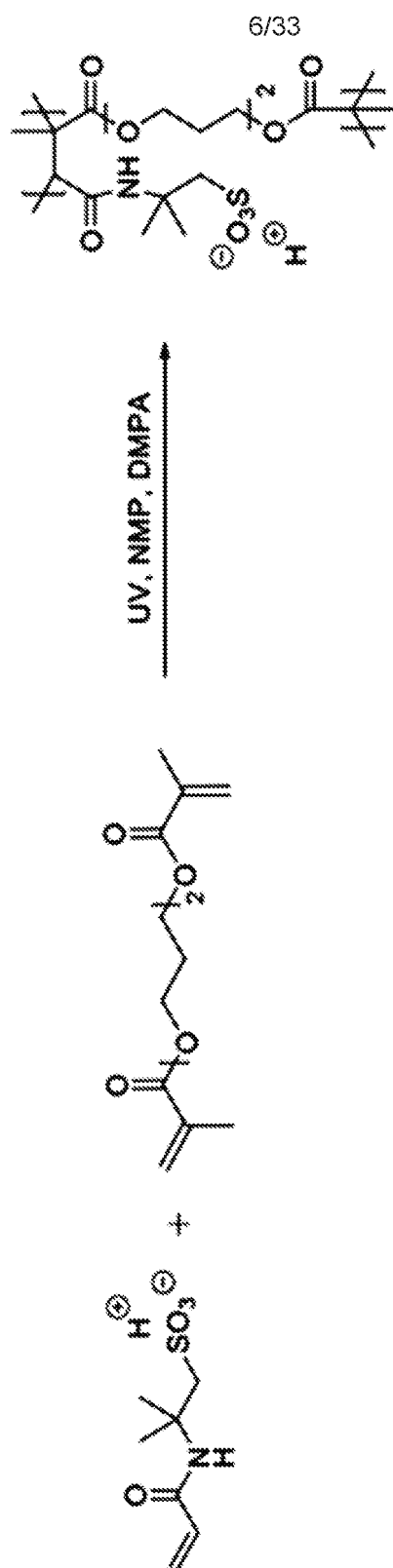


FIG. 7

7/33

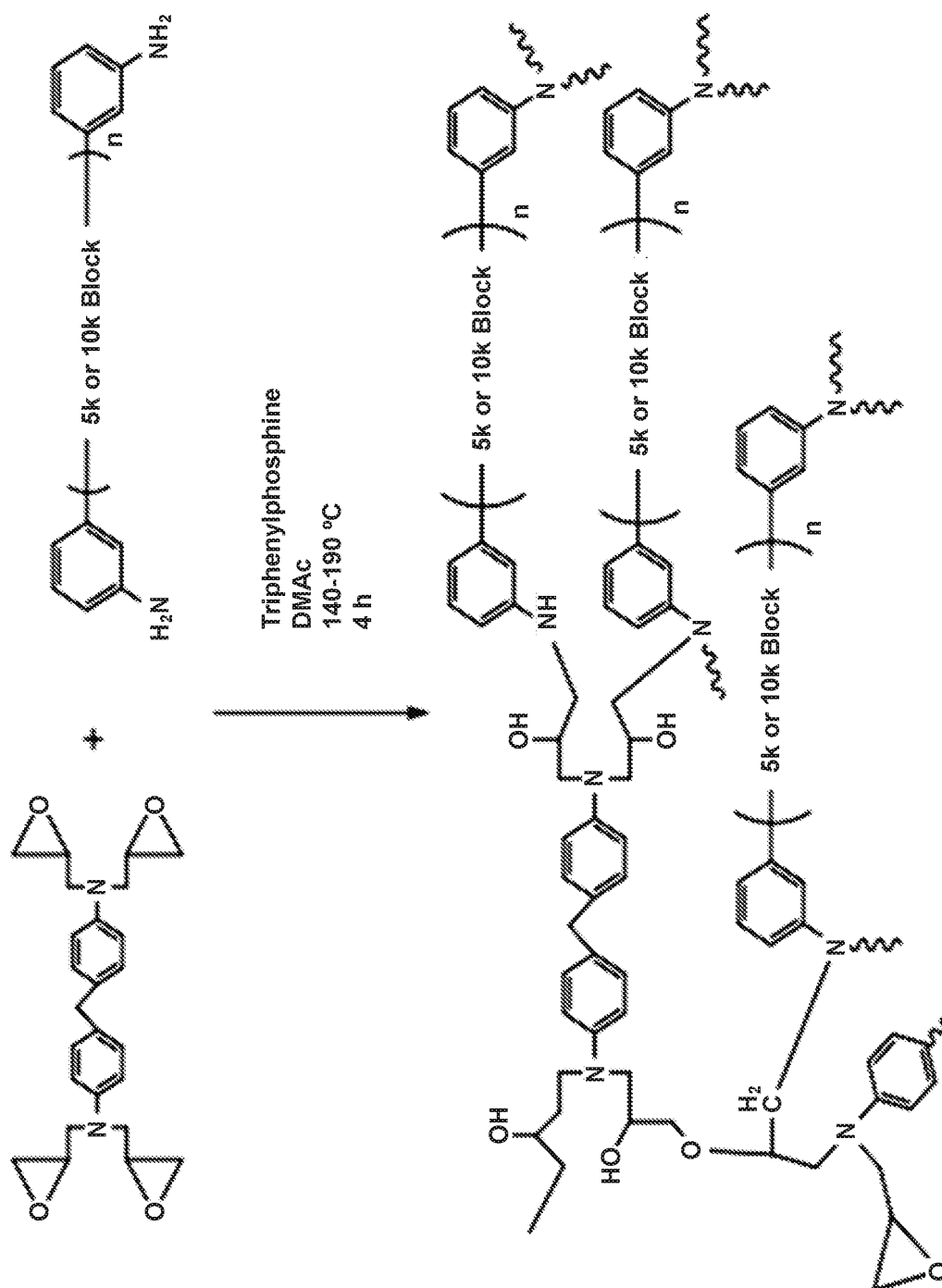


FIG. 8

8/33

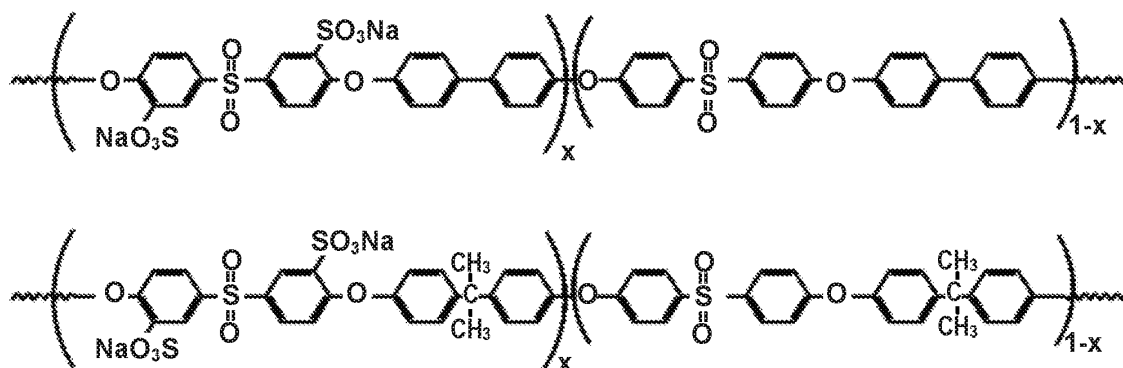
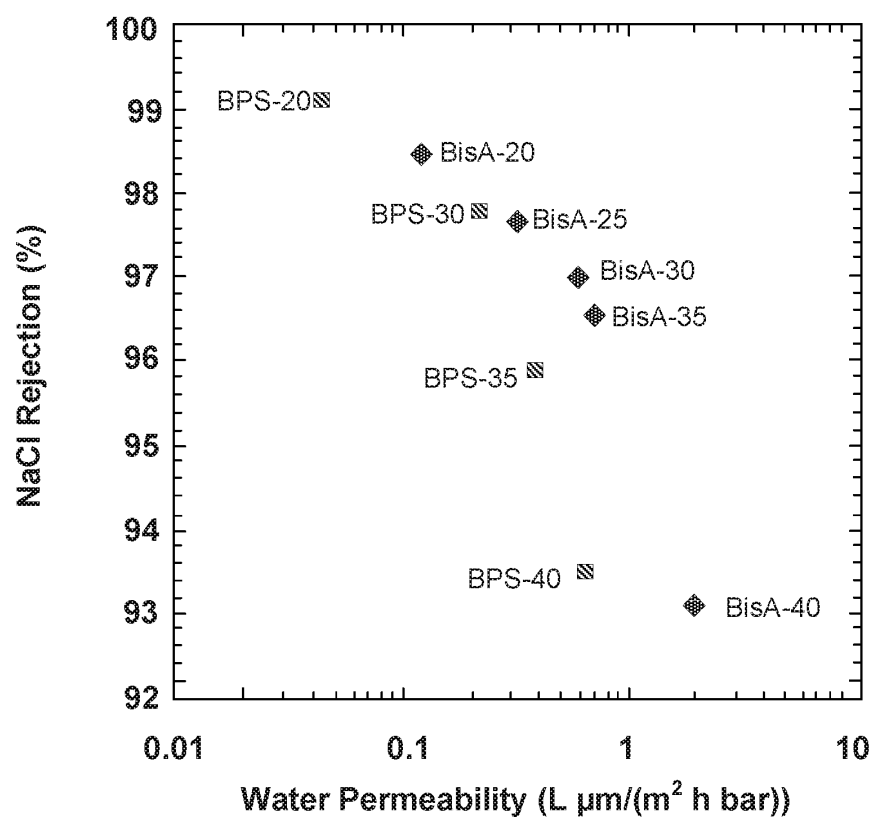


FIG. 9

SUBSTITUTE SHEET (RULE 26)

9/33

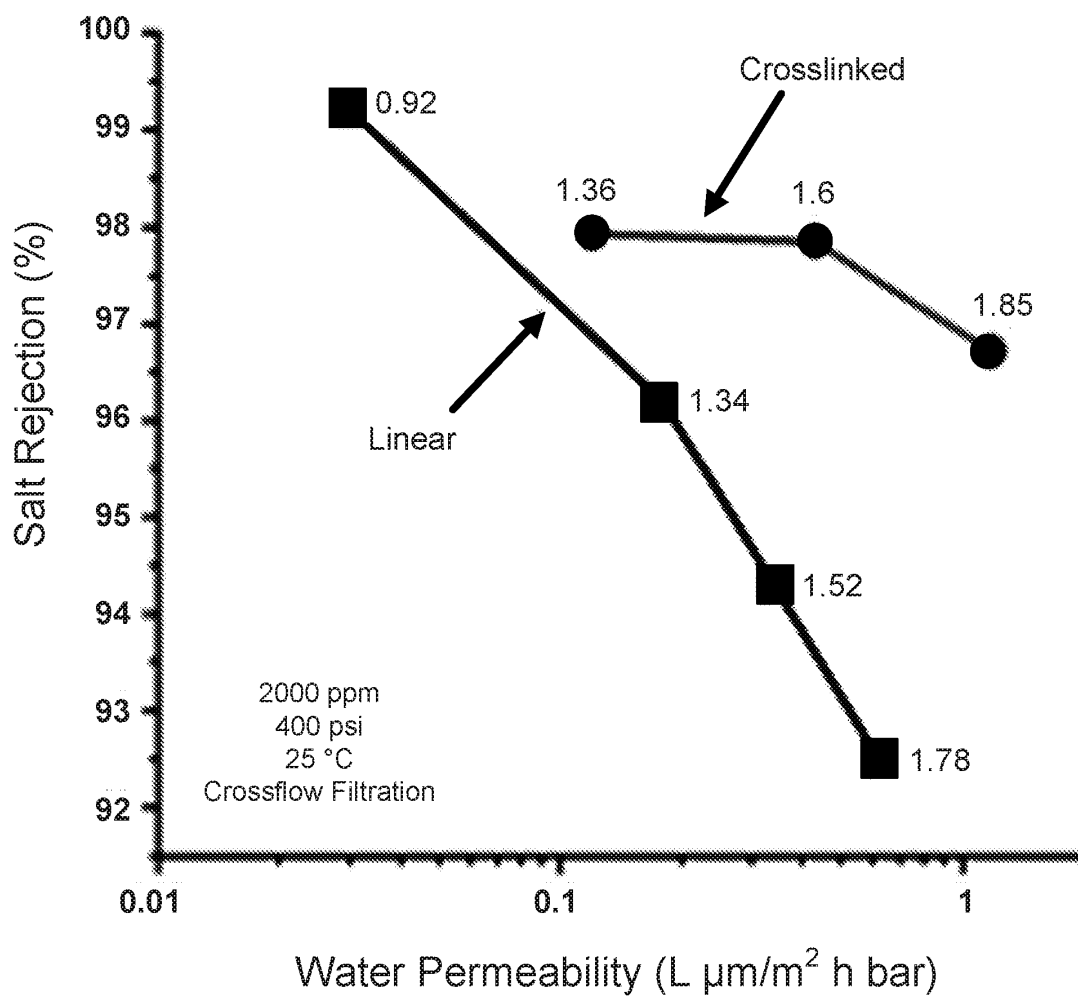


FIG. 10

10/33

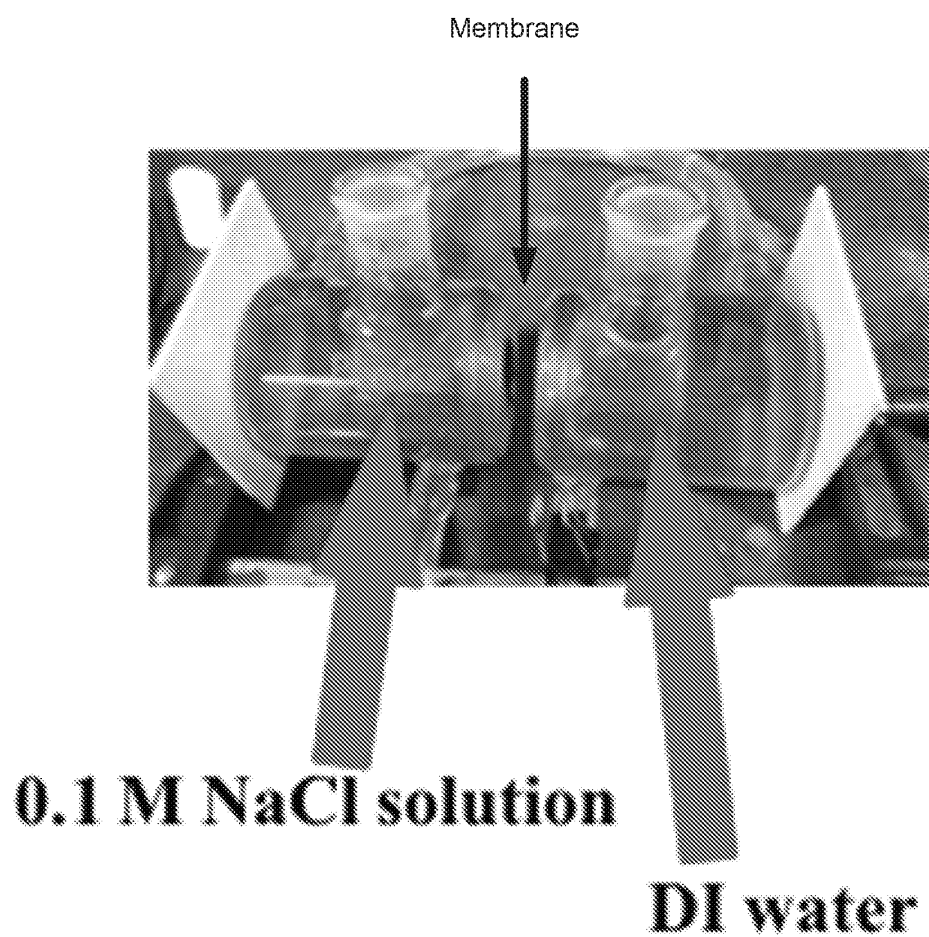


FIG. 11

11/33

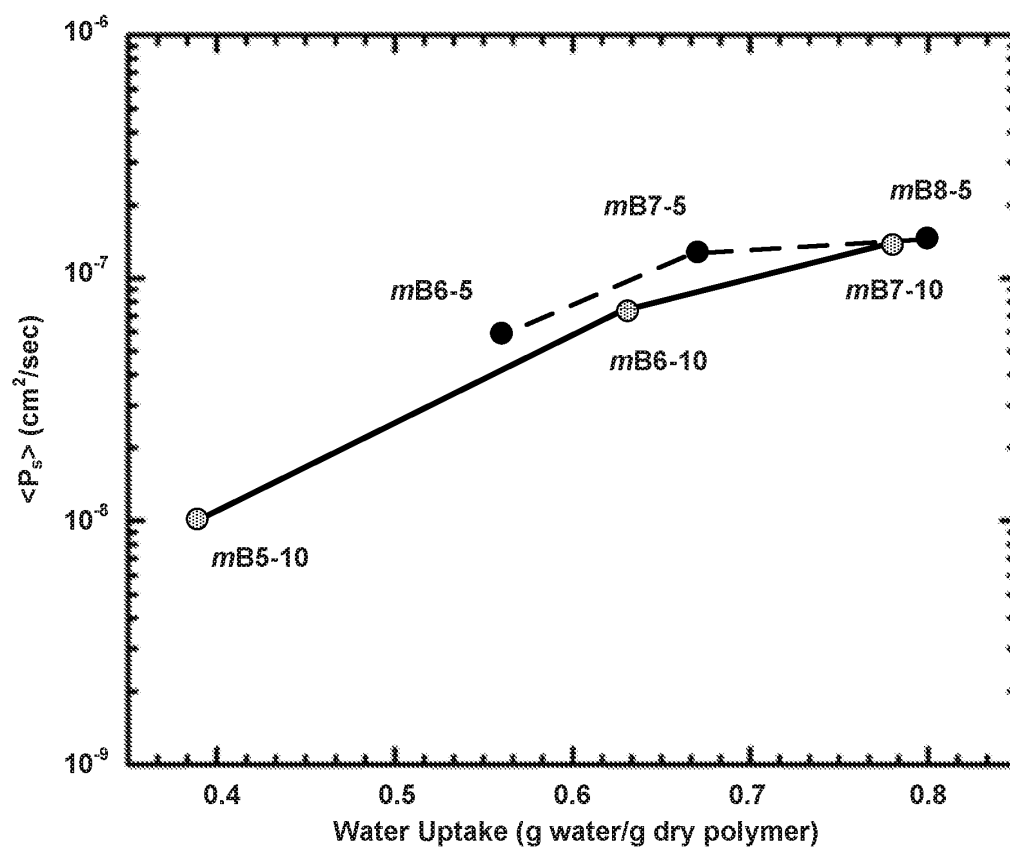


FIG. 12

12/33

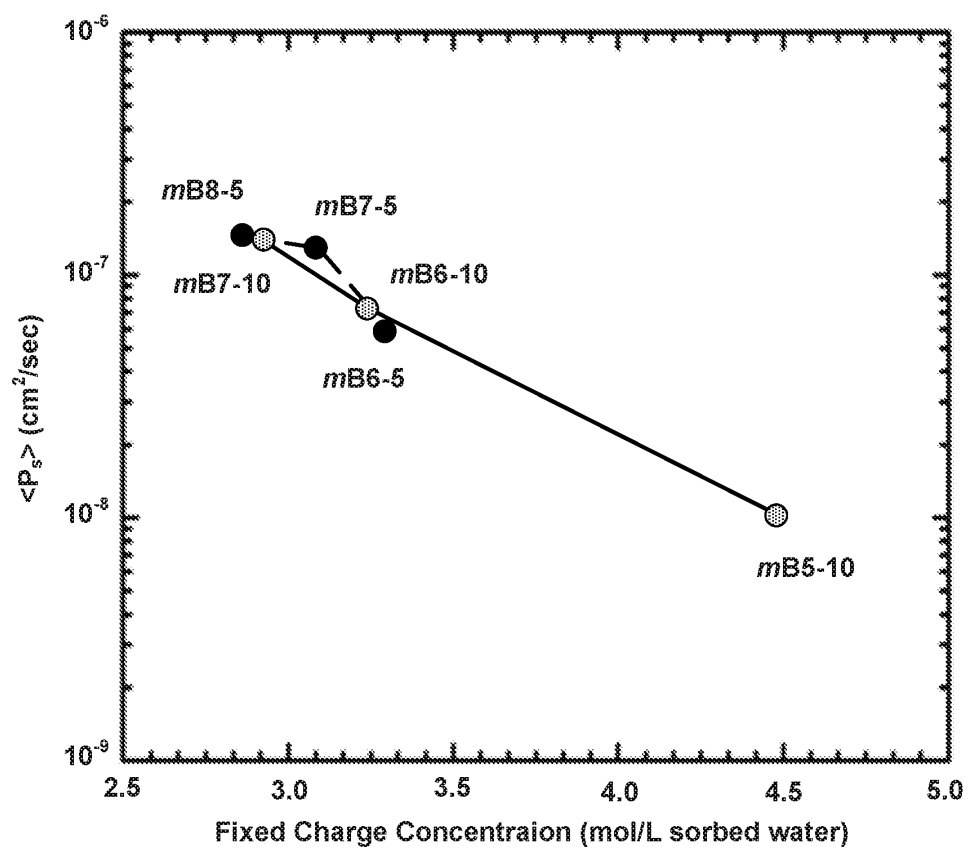


FIG. 13

SUBSTITUTE SHEET (RULE 26)

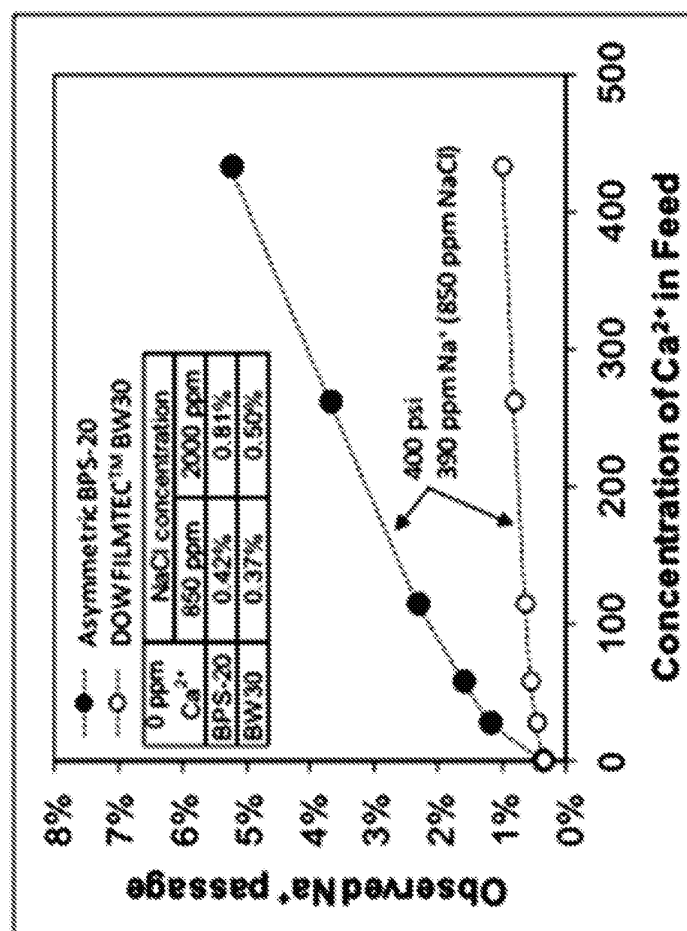
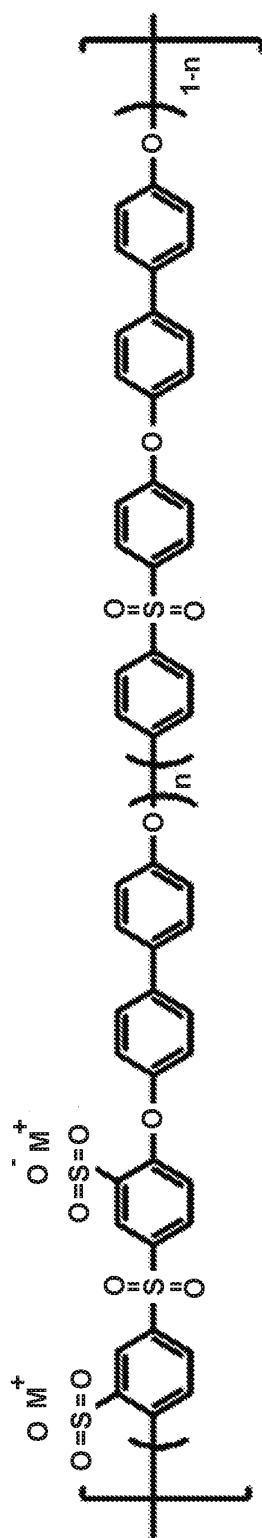


FIG. 14

14/33

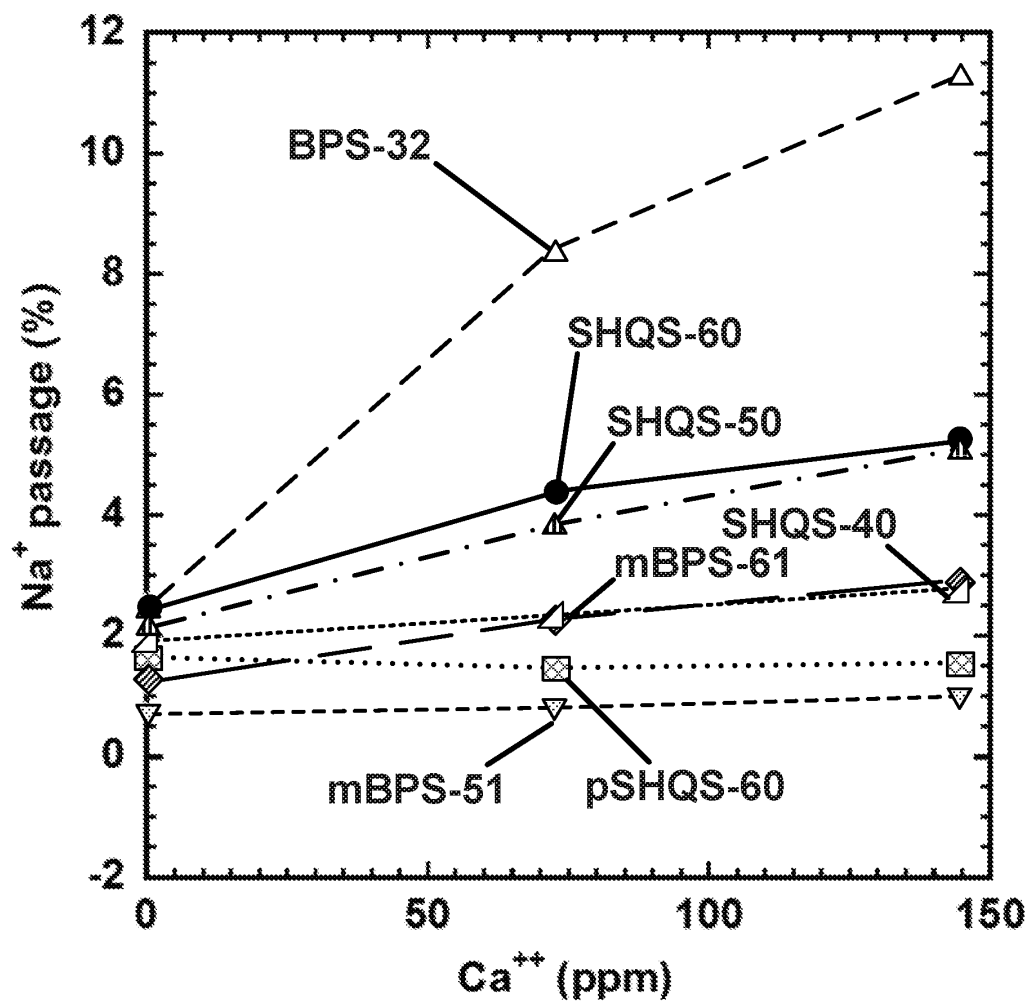
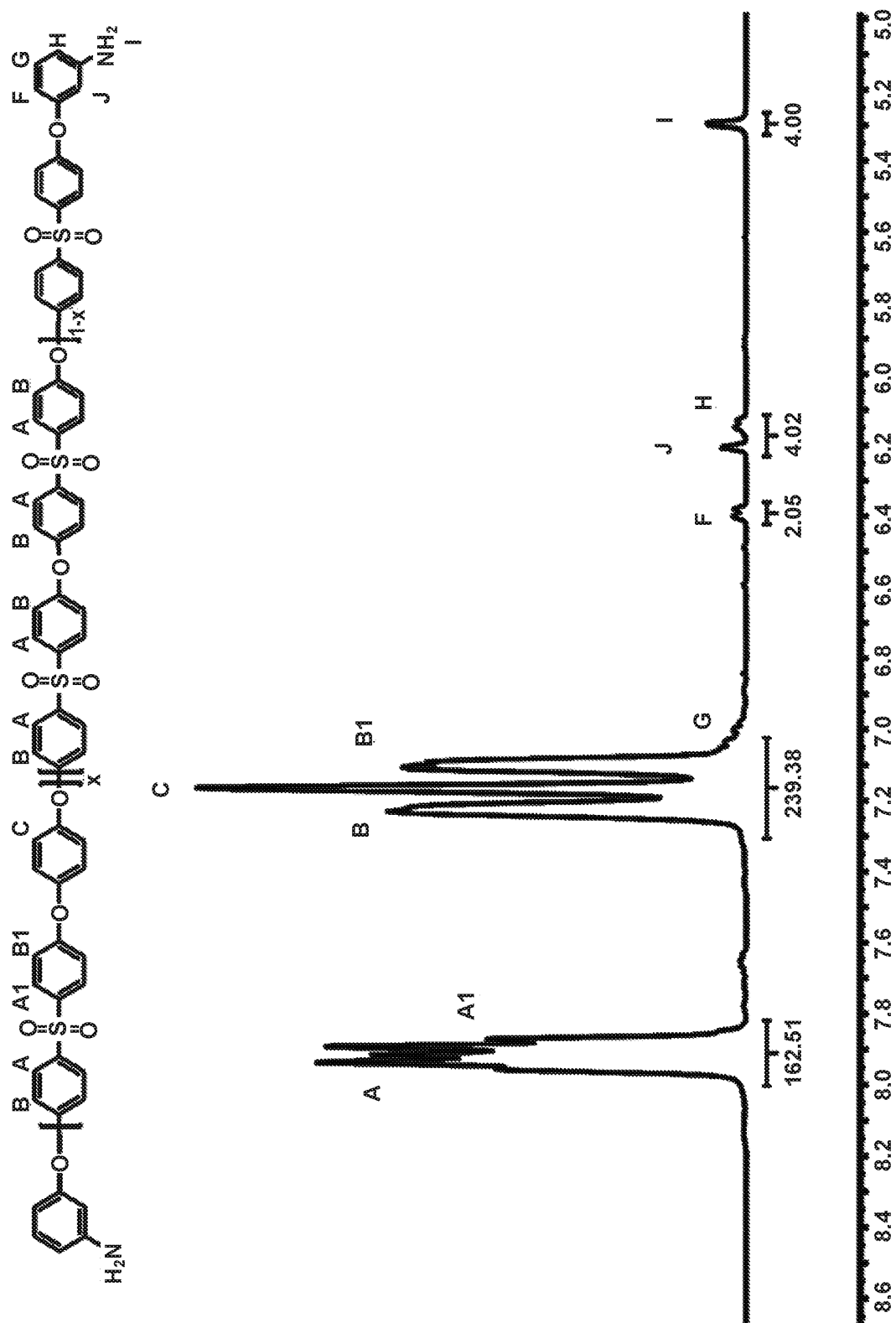
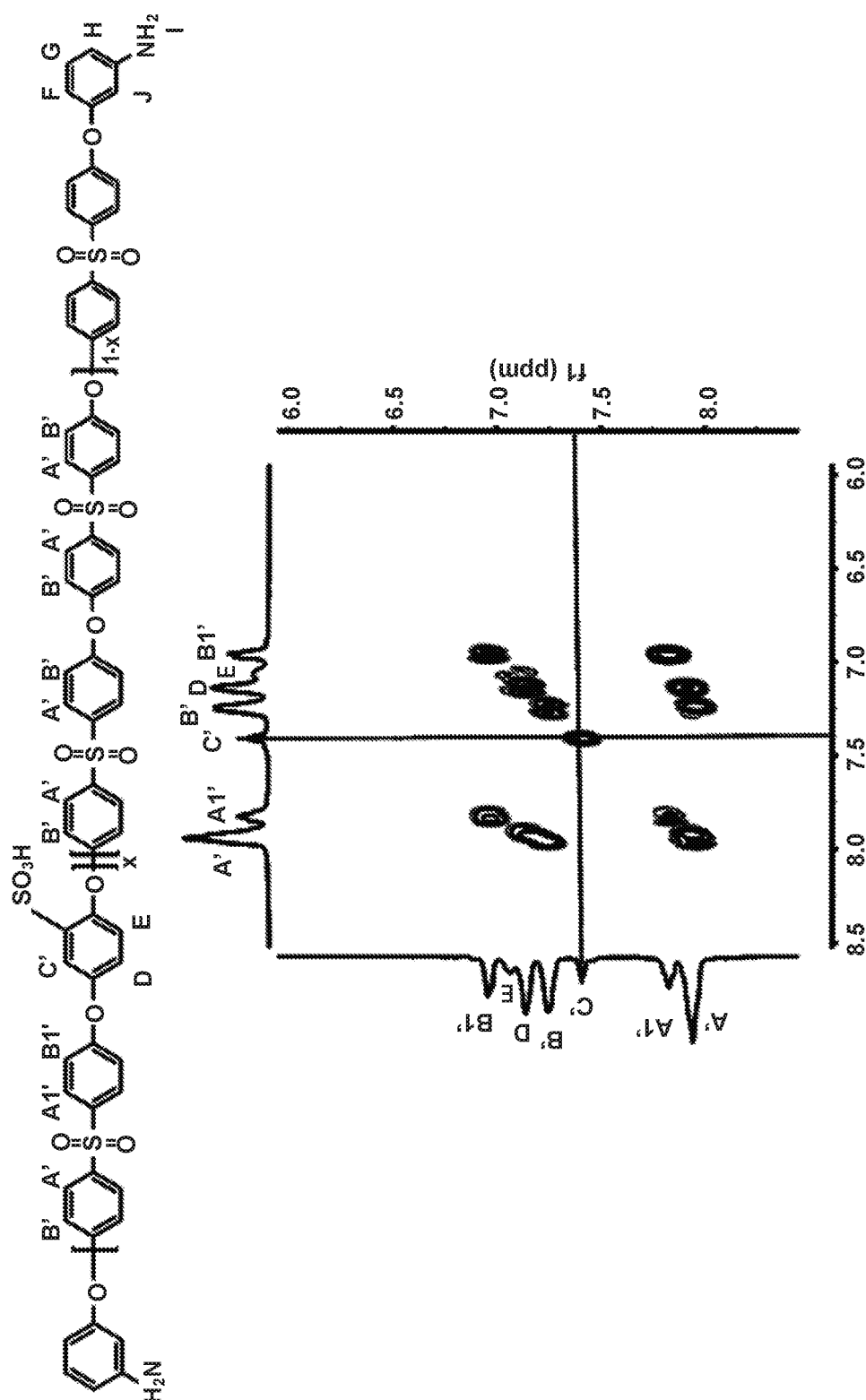


FIG. 15



SUBSTITUTE SHEET (RULE 26)



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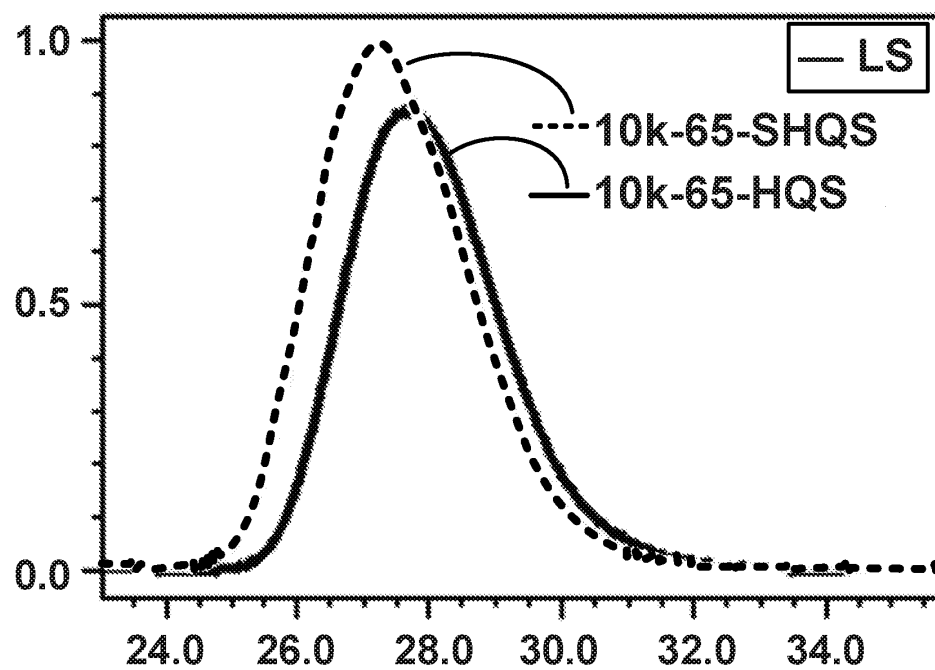


FIG. 20

20/33

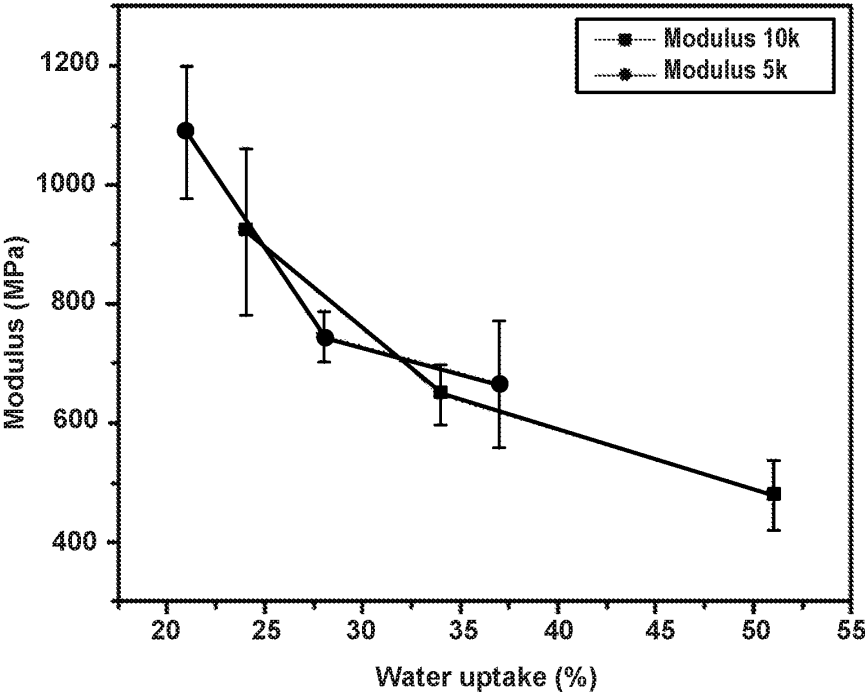


FIG. 21A

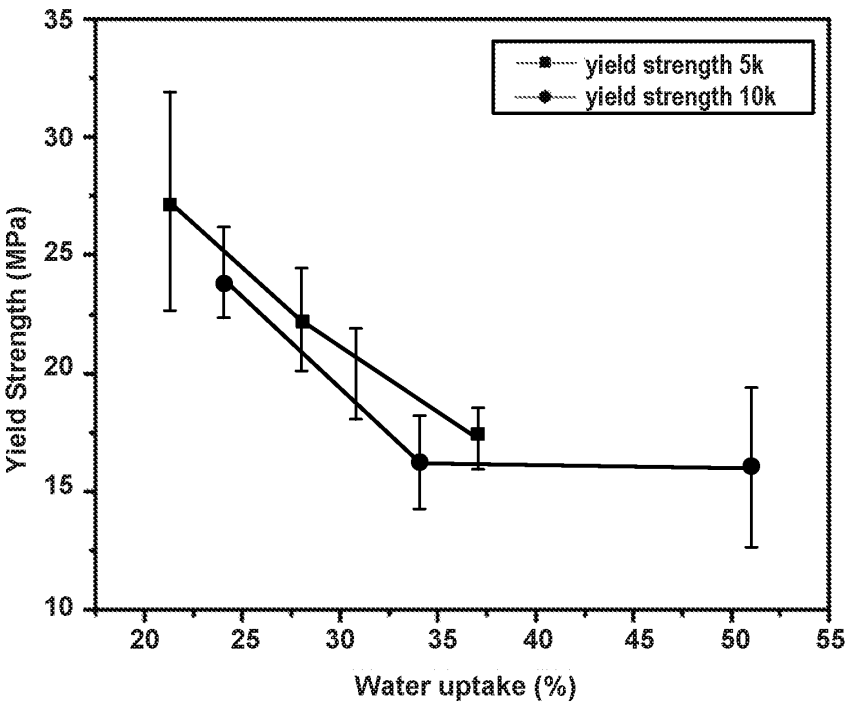
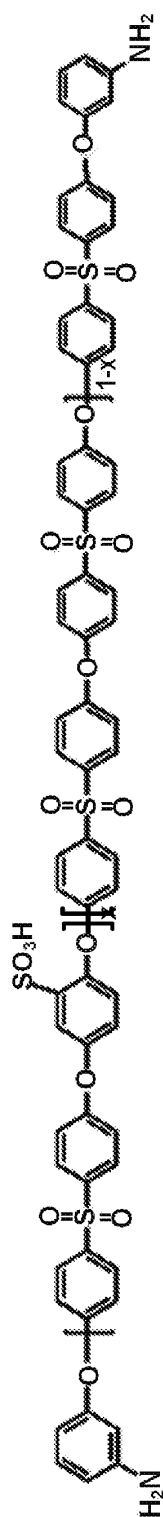


FIG. 21B

21/33



Post sulfonation of Amine terminated oligomer (SHQS)



Crosslinking of sulfonated amine terminated oligomer

FIG. 21C

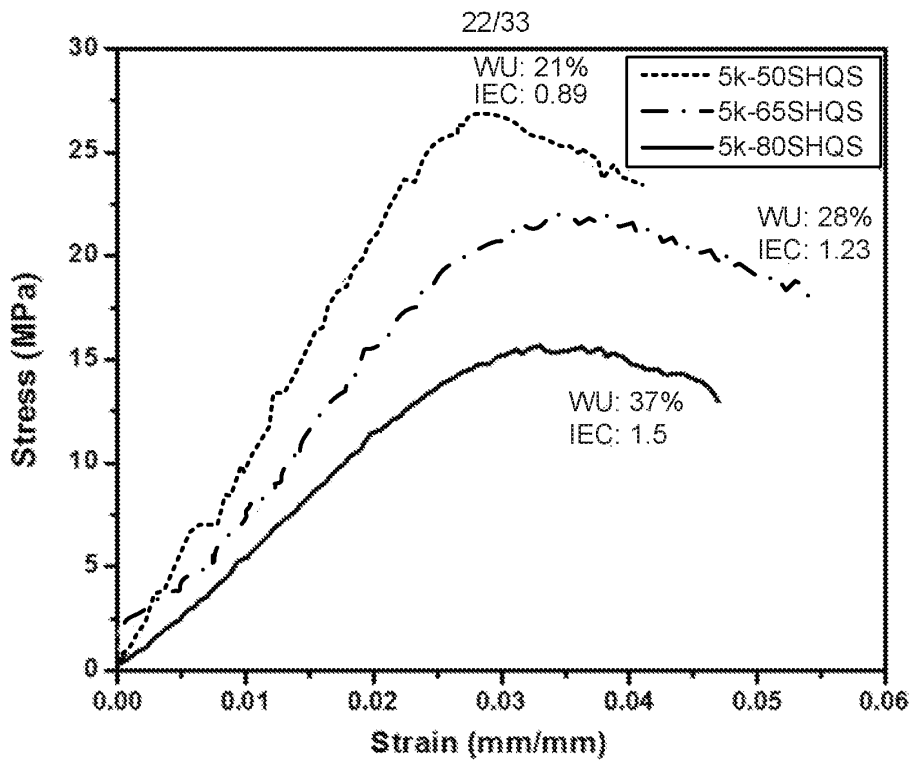


FIG. 22A

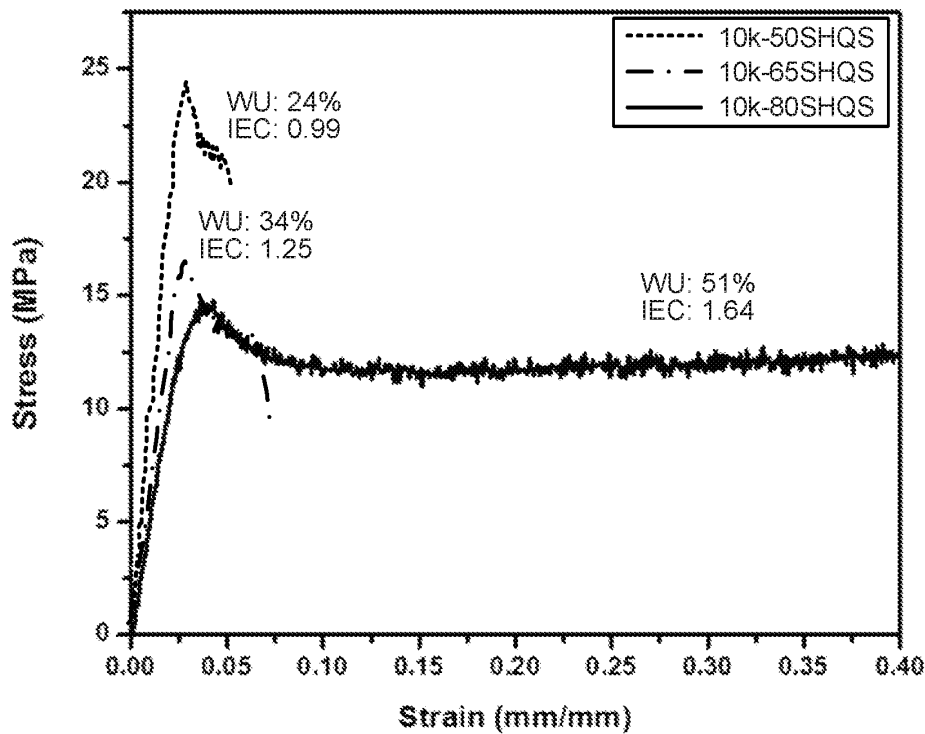


FIG. 22B

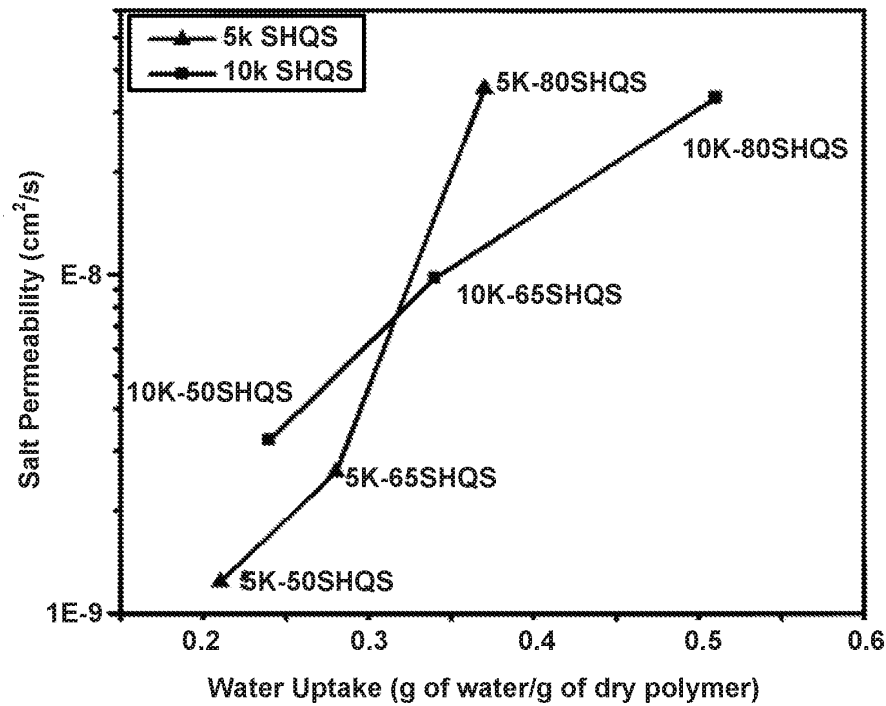


FIG. 23

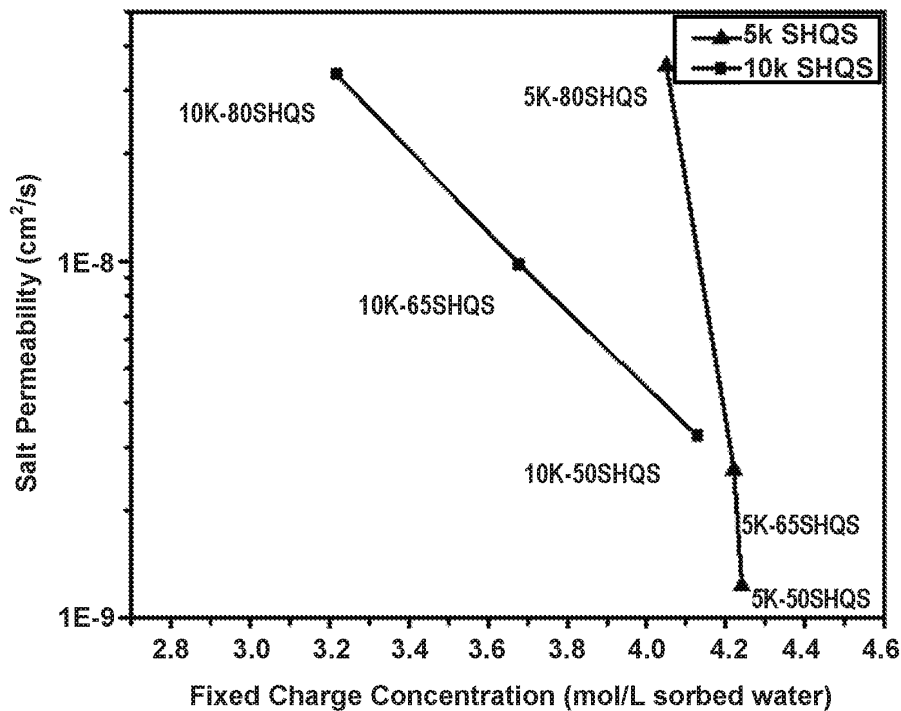


FIG. 24

24/33

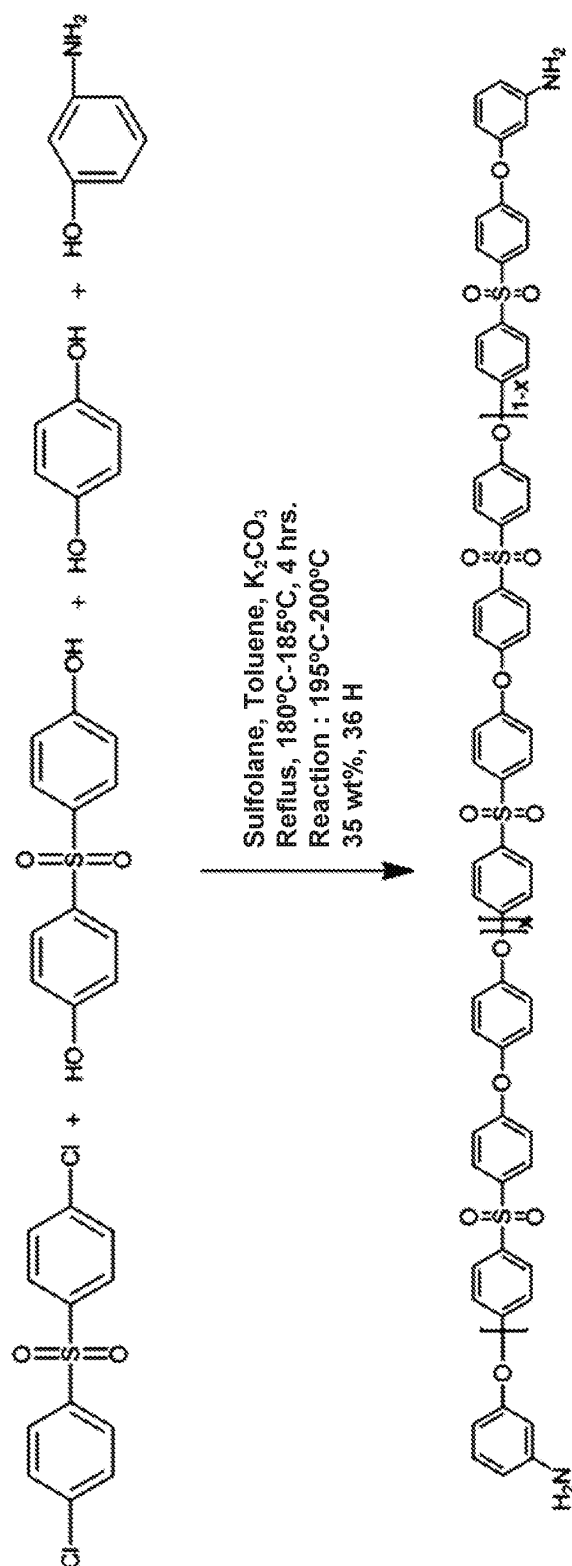


FIG. 25

25/33

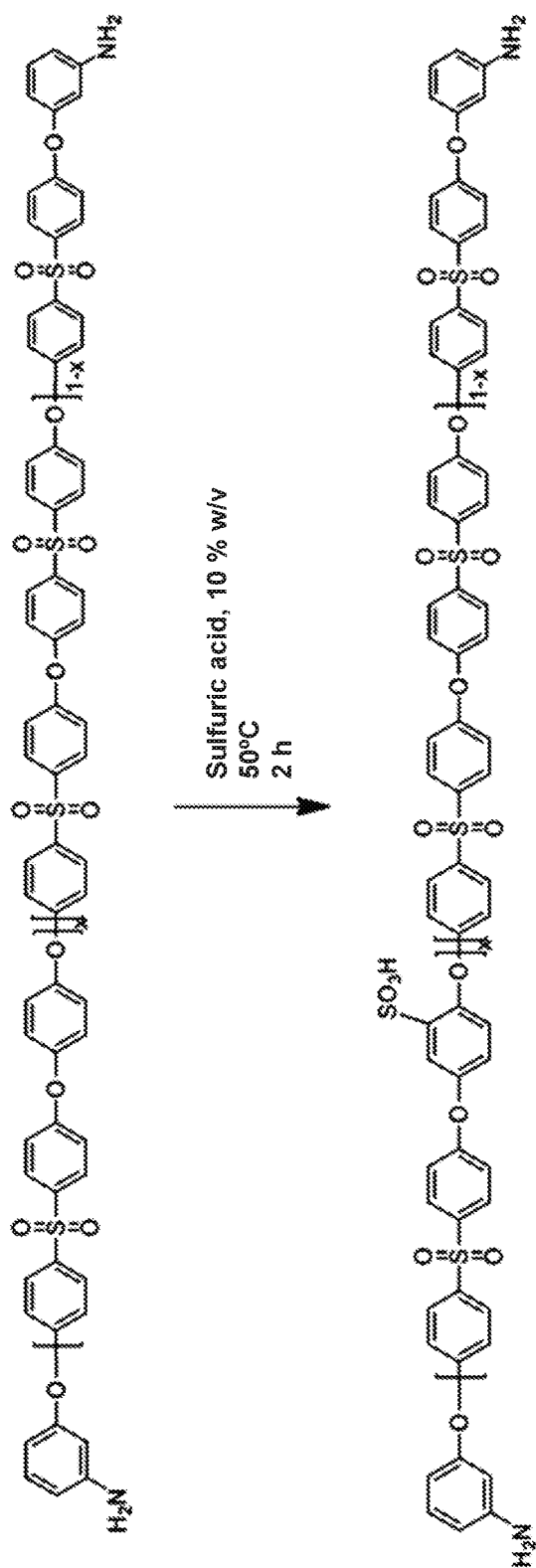


FIG. 26

26/33

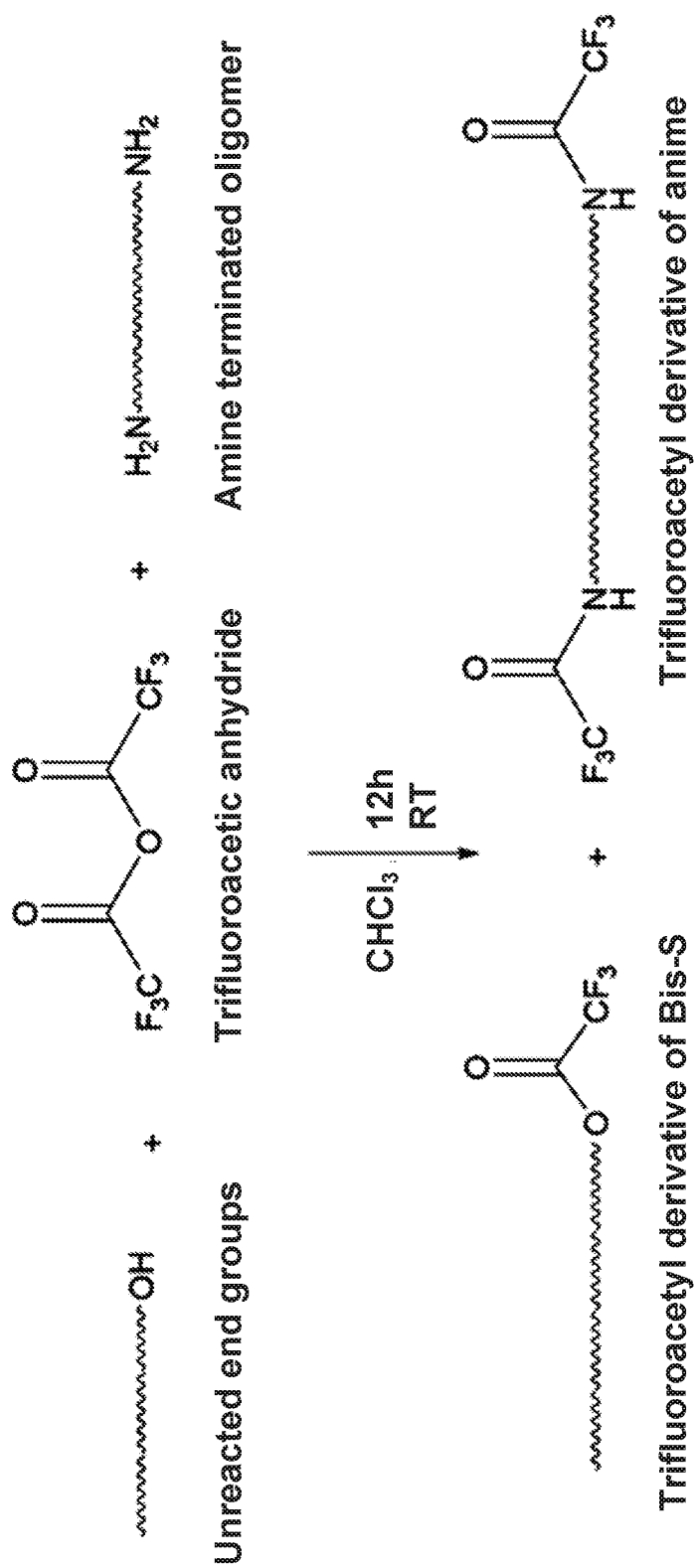


FIG. 27

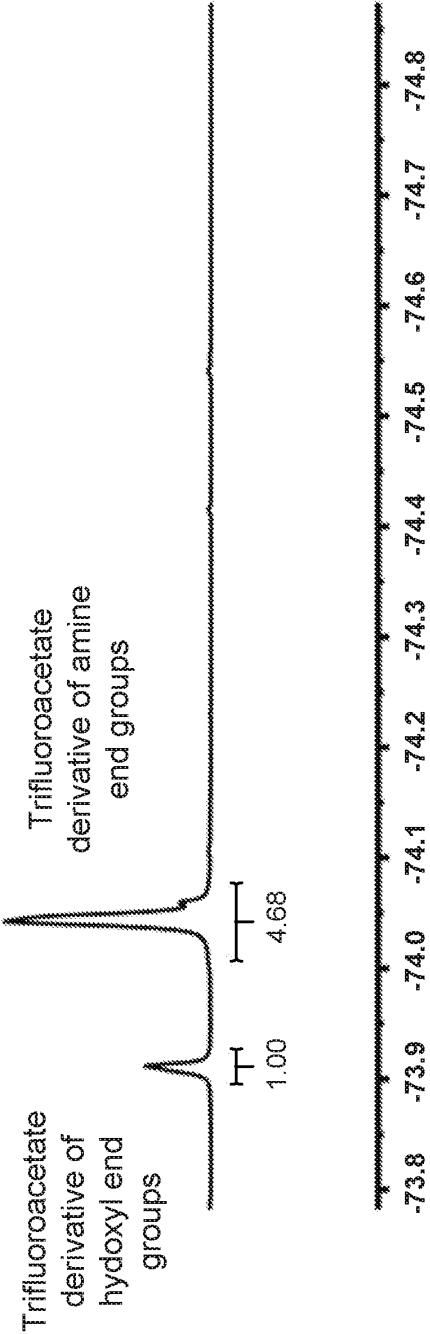


FIG. 28A

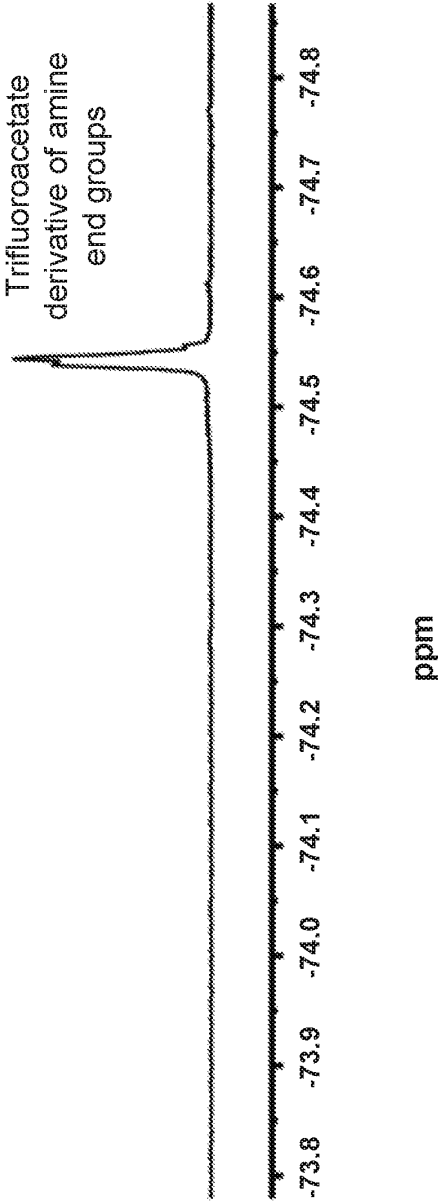


FIG. 28B

28/33

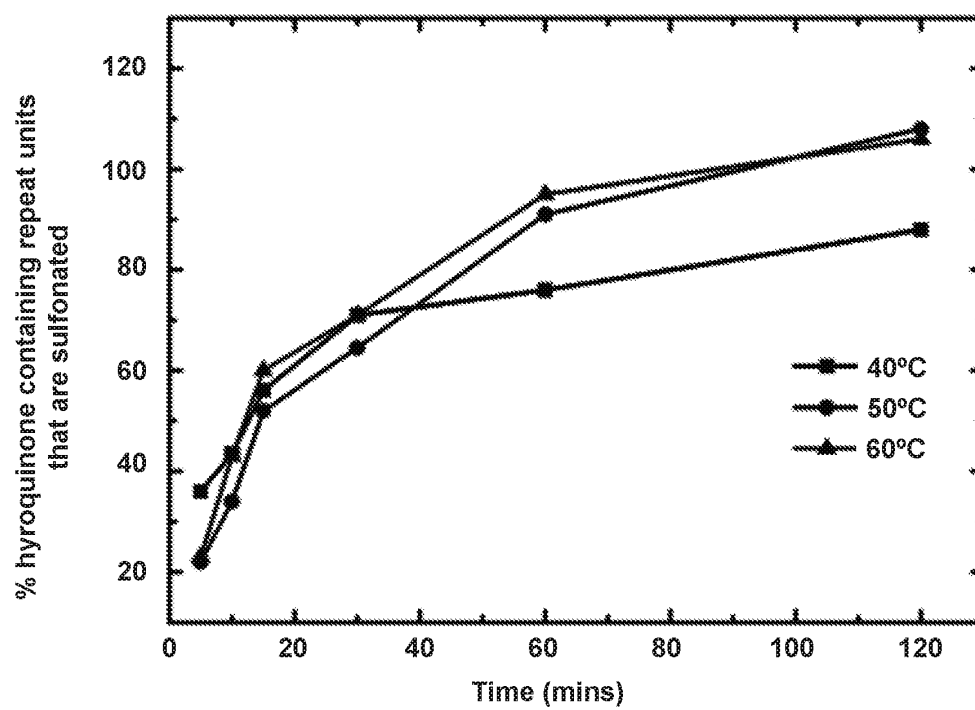


FIG. 29

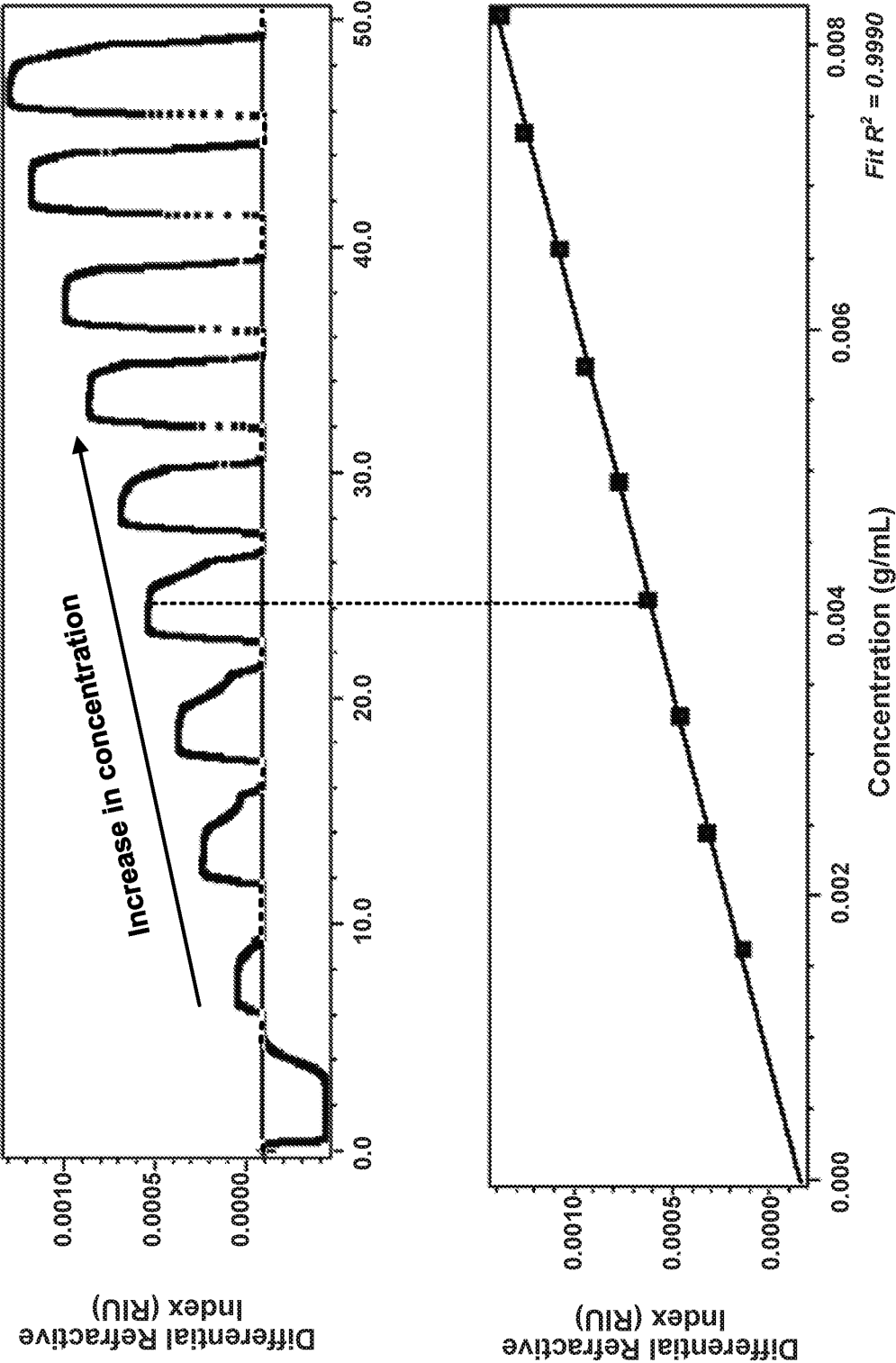


FIG. 30

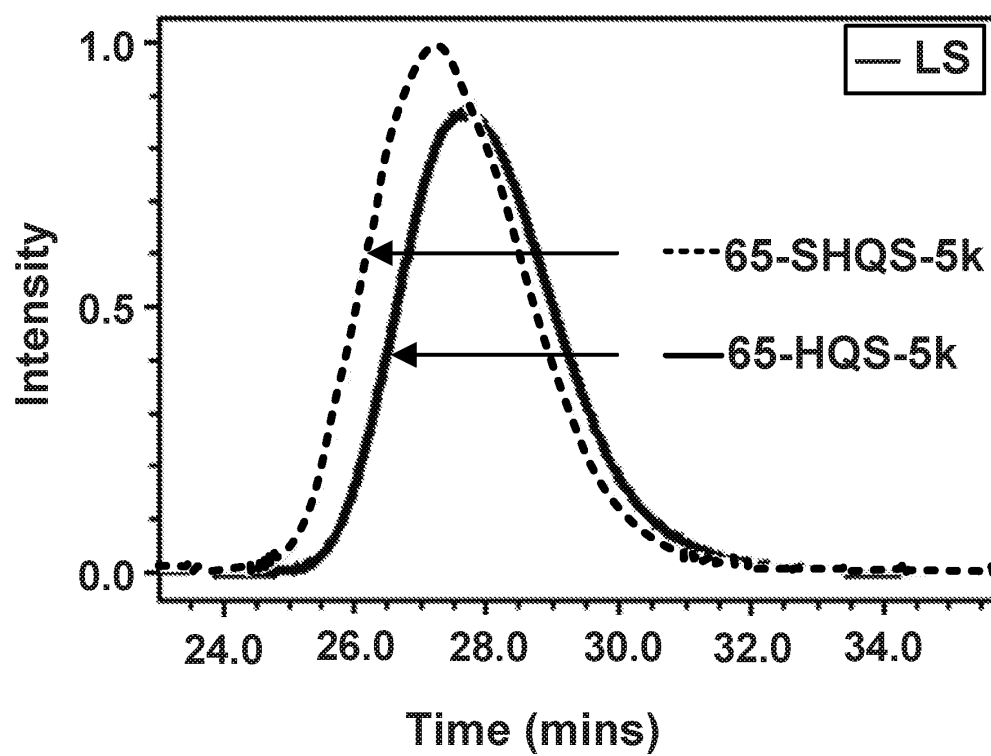


FIG. 31

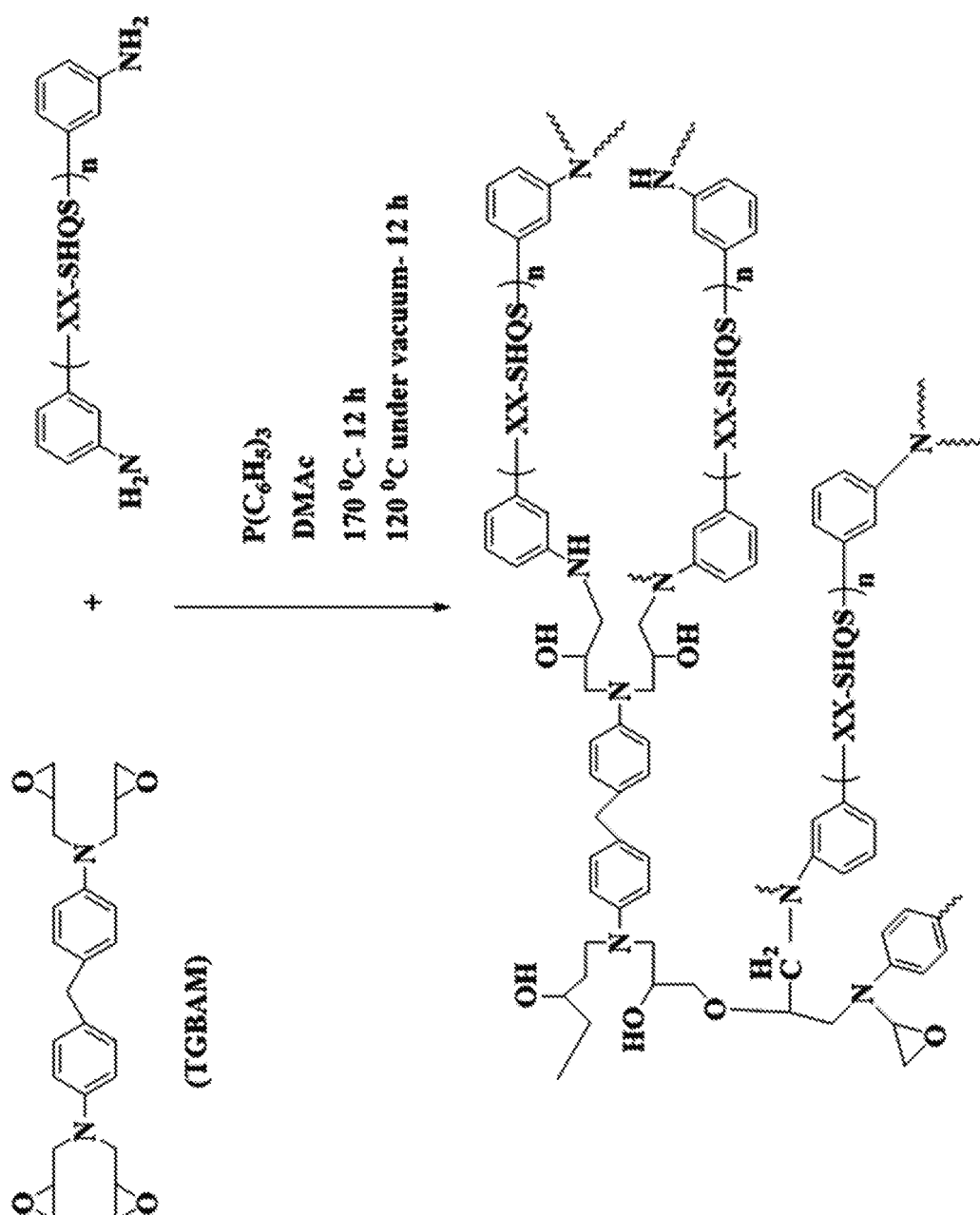


FIG. 32

32/33

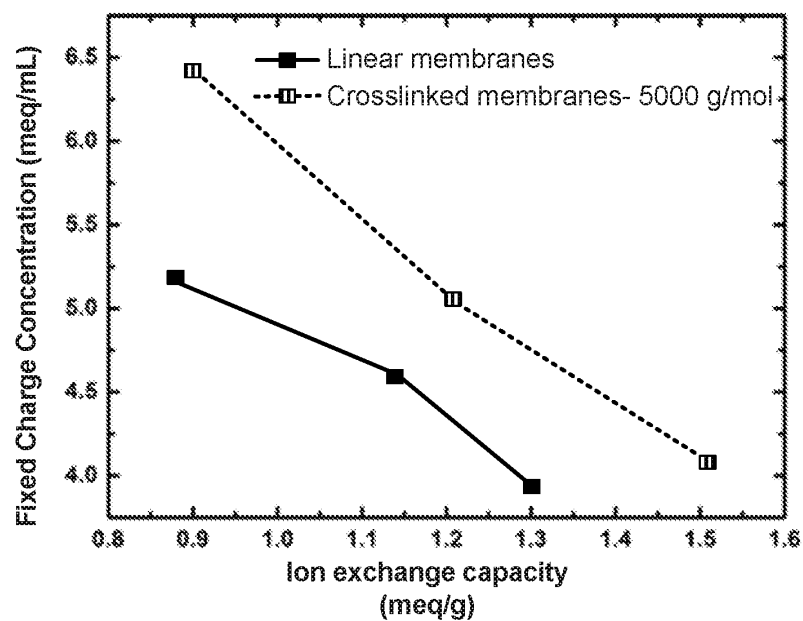


FIG. 33

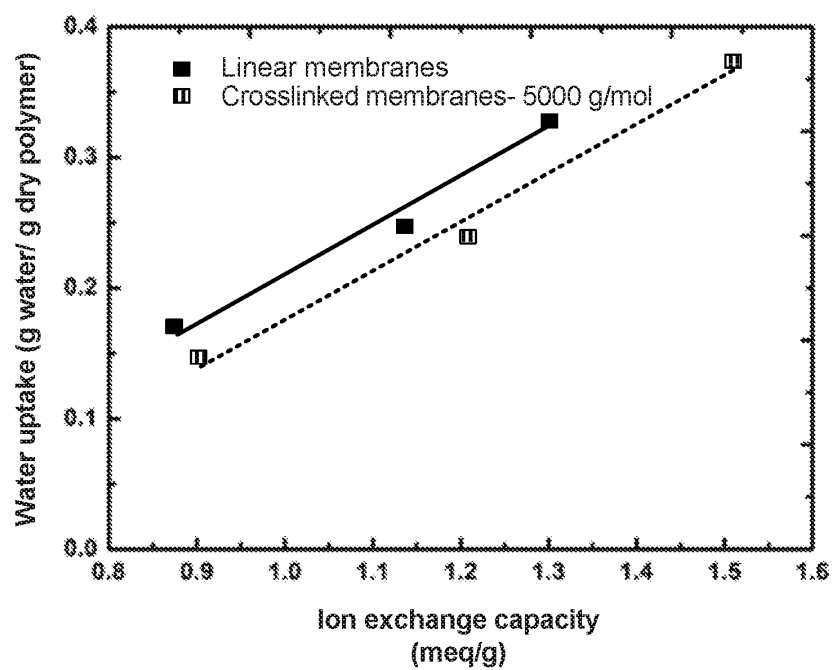


FIG. 34

SUBSTITUTE SHEET (RULE 26)

33/33

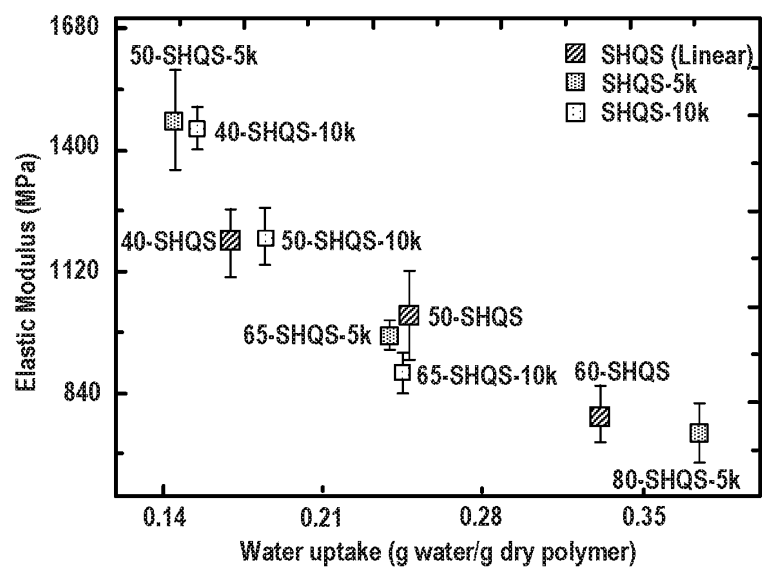
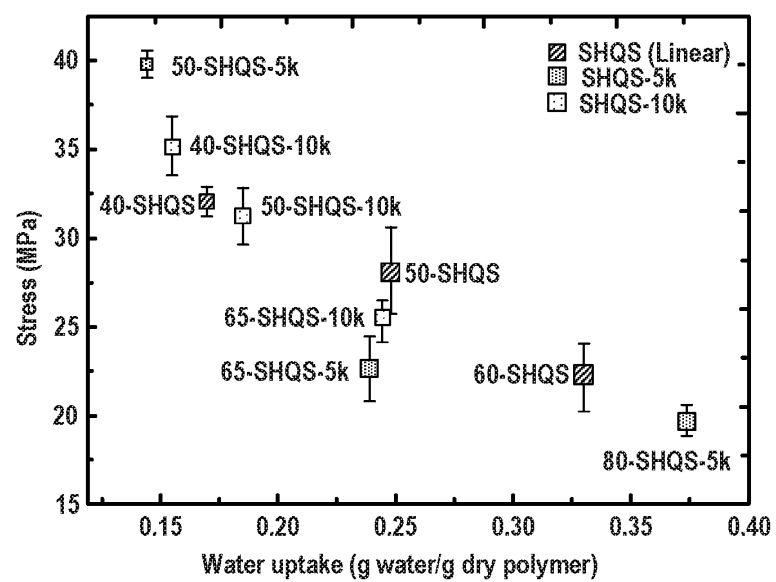


FIG. 35

SUBSTITUTE SHEET (RULE 26)