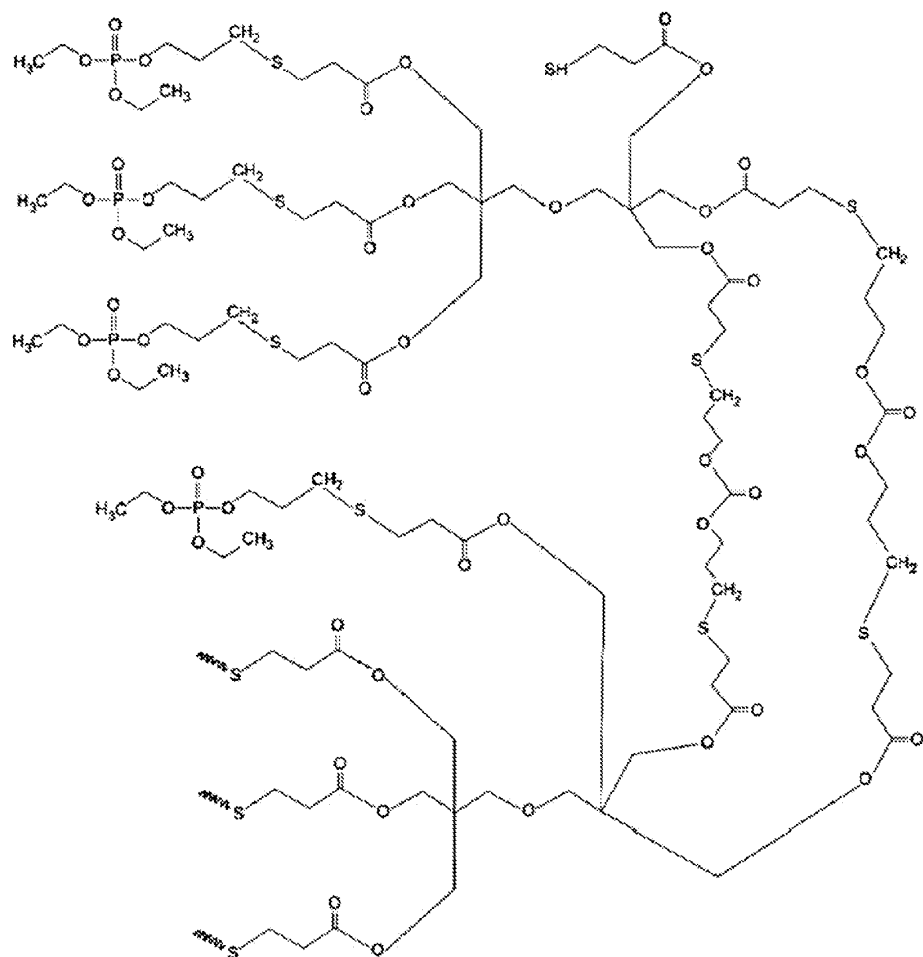


1/4

FIG. 1A



2/4

FIG. 1B

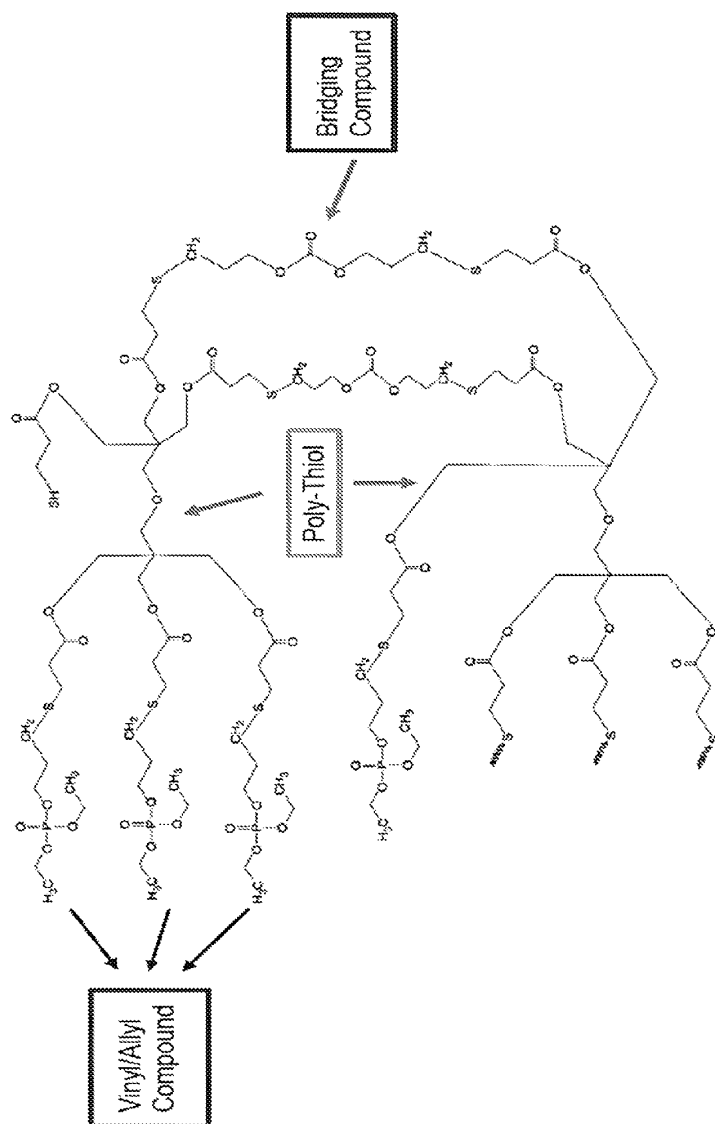


FIG. 1C

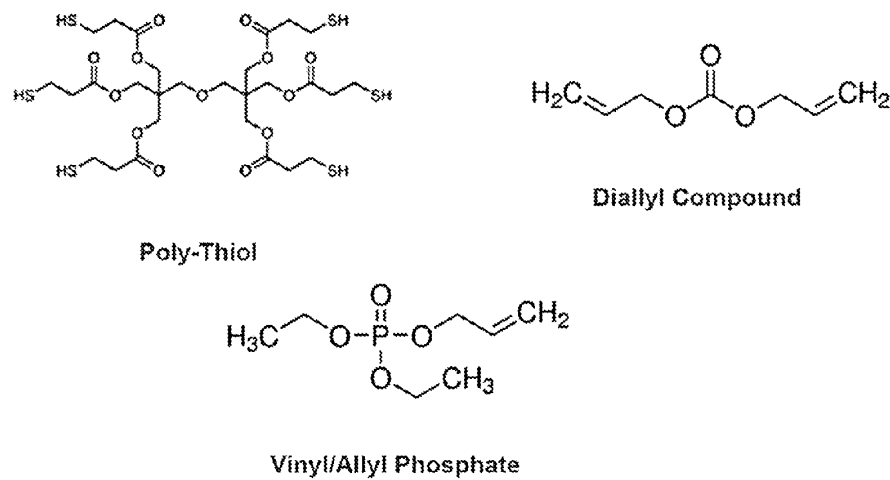


FIG. 2A

Code	VAP Type	Mol			
		VAP Amount	Bridging Compound	Bridging Compound Amount	Poly-Thiol (DPHS) / (PTS)
D1	DEAP	2.6 X 10 ⁻³	TMET	4.833 X 10 ⁻⁴	7 X 10 ⁻⁴ (DPHS)
D2	DEV	2.6 X 10 ⁻³	TMET	4.833 X 10 ⁻⁴	7 X 10 ⁻⁴ (DPHS)
D3	DALP	2.6 X 10 ⁻³	TMET	4.833 X 10 ⁻⁴	7 X 10 ⁻⁴ (DPHS)
E1	DEAP	2.6 X 10 ⁻³	TMPTA	4.833 X 10 ⁻⁴	7 X 10 ⁻⁴ (DPHS)
D1 (35)	DEAP	2.6 X 10 ⁻³	TMET	4.833 X 10 ⁻⁴	7 X 10 ⁻⁴ (DPHS)
D1-2	DEAP	2.7 X 10 ⁻³	TMET	4.5 X 10 ⁻⁴	7 X 10 ⁻⁴ (DPHS)
P1 (35)	DEAP	2.6 X 10 ⁻³	TMET	4.5 X 10 ⁻⁴	1.05 X 10 ⁻³ (PTS)

FIG. 2B

Code	Mcl	
	TRAP	EDT
T3	1.666 X 10 ⁻³	1.5 X 10 ⁻³
T4	1.666 X 10 ⁻³	1.6 X 10 ⁻³

FIG. 3

Code	IC (S cm ⁻¹)	M (MPa)	ECV (V)	SET (s g ⁻¹)
D1	1.1 X 10 ⁻⁴	0.732	5.3	11.46
D2	1.2 X 10 ⁻⁴	0.489	5.1	5.96
D3	1.3 X 10 ⁻⁴	0.154	1.2	11.67
E1	1.4 X 10 ⁻⁴	0.182	3.6	17.31
D1 (35)	1.4 X 10 ⁻⁴	0.344	5.3	14.72
D1-2	1.4 X 10 ⁻⁴	0.452	5.2	8.49
P1 (35)	2.2 X 10 ⁻⁴	0.112	5.4	18.56
T3	7.6 X 10 ⁻⁵	8.321	-	26.76
T4	7.7 X 10 ⁻⁵	6.067	3.9	24.75