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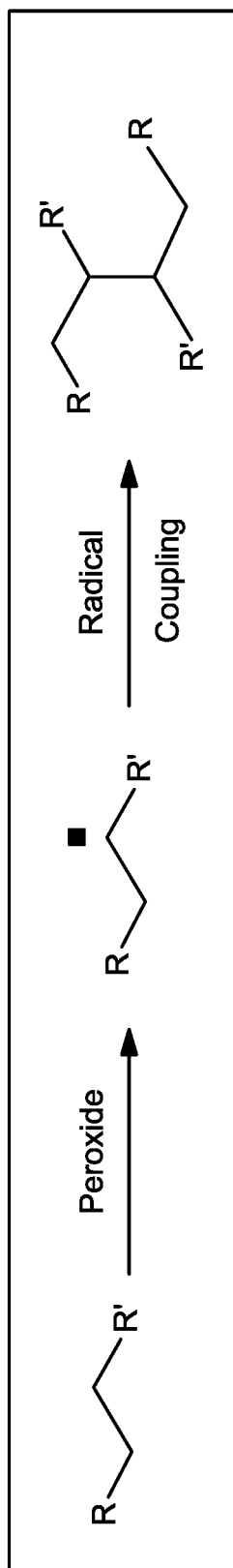


FIG. 1

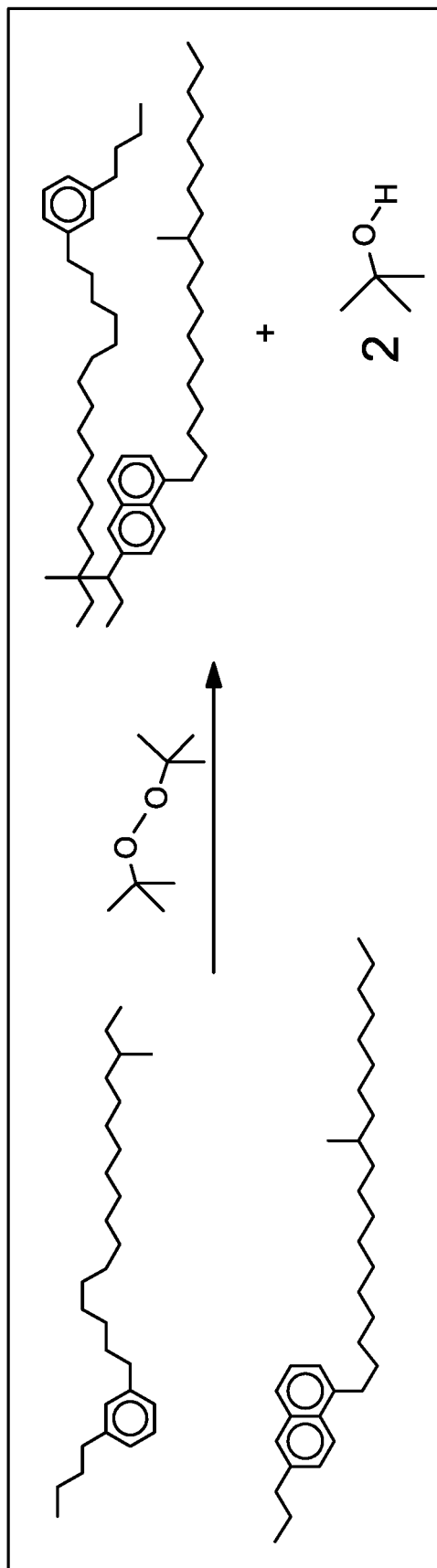


FIG. 2

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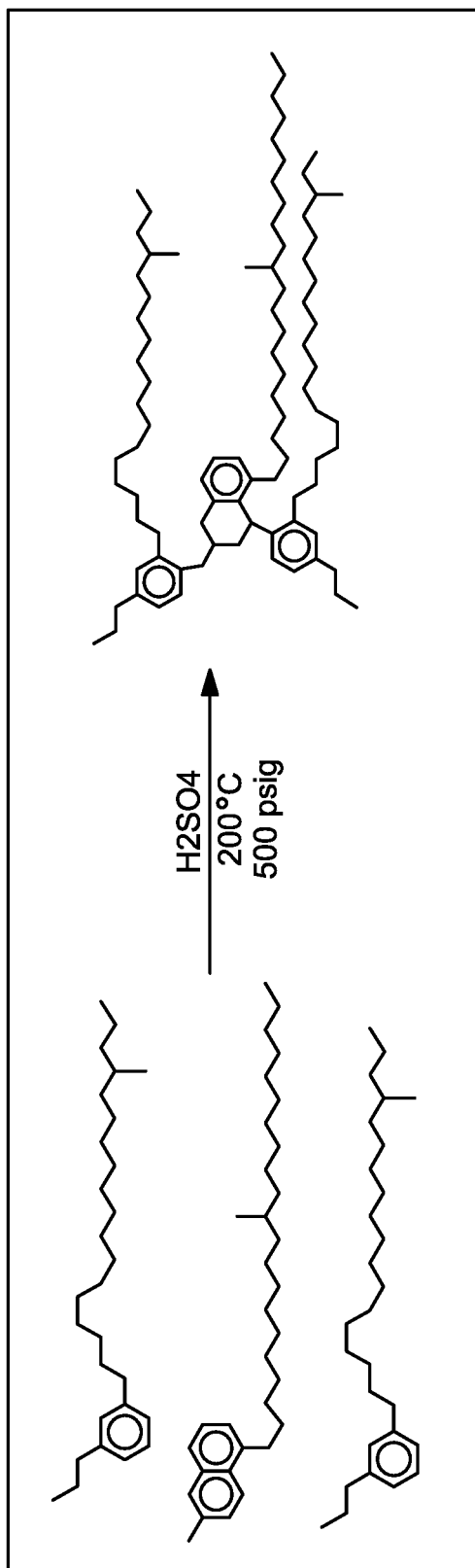


FIG. 3

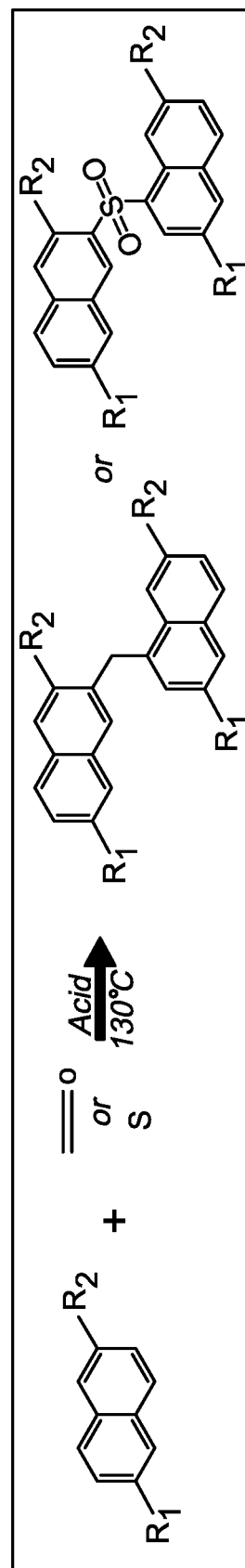


FIG. 4

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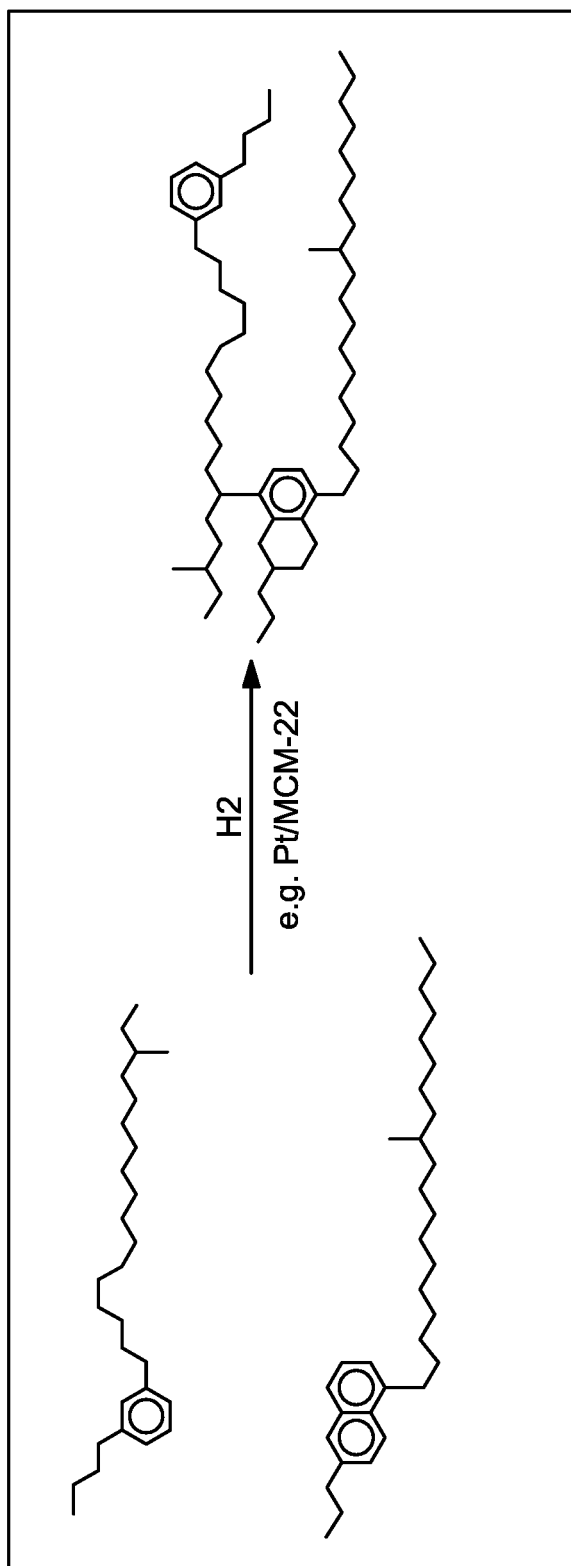


FIG. 5

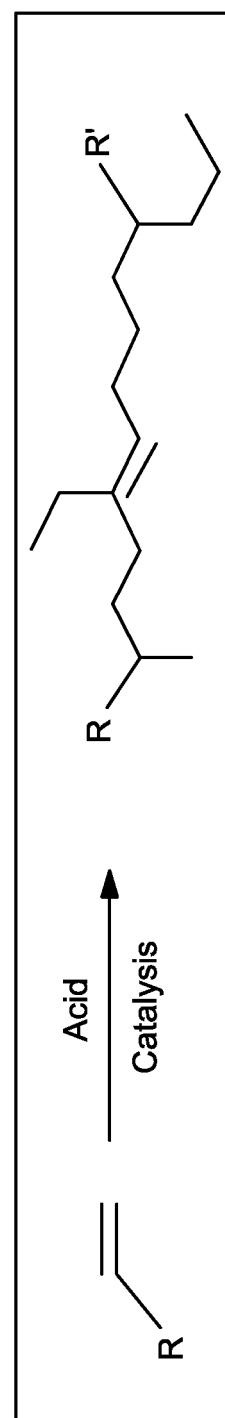


FIG. 6

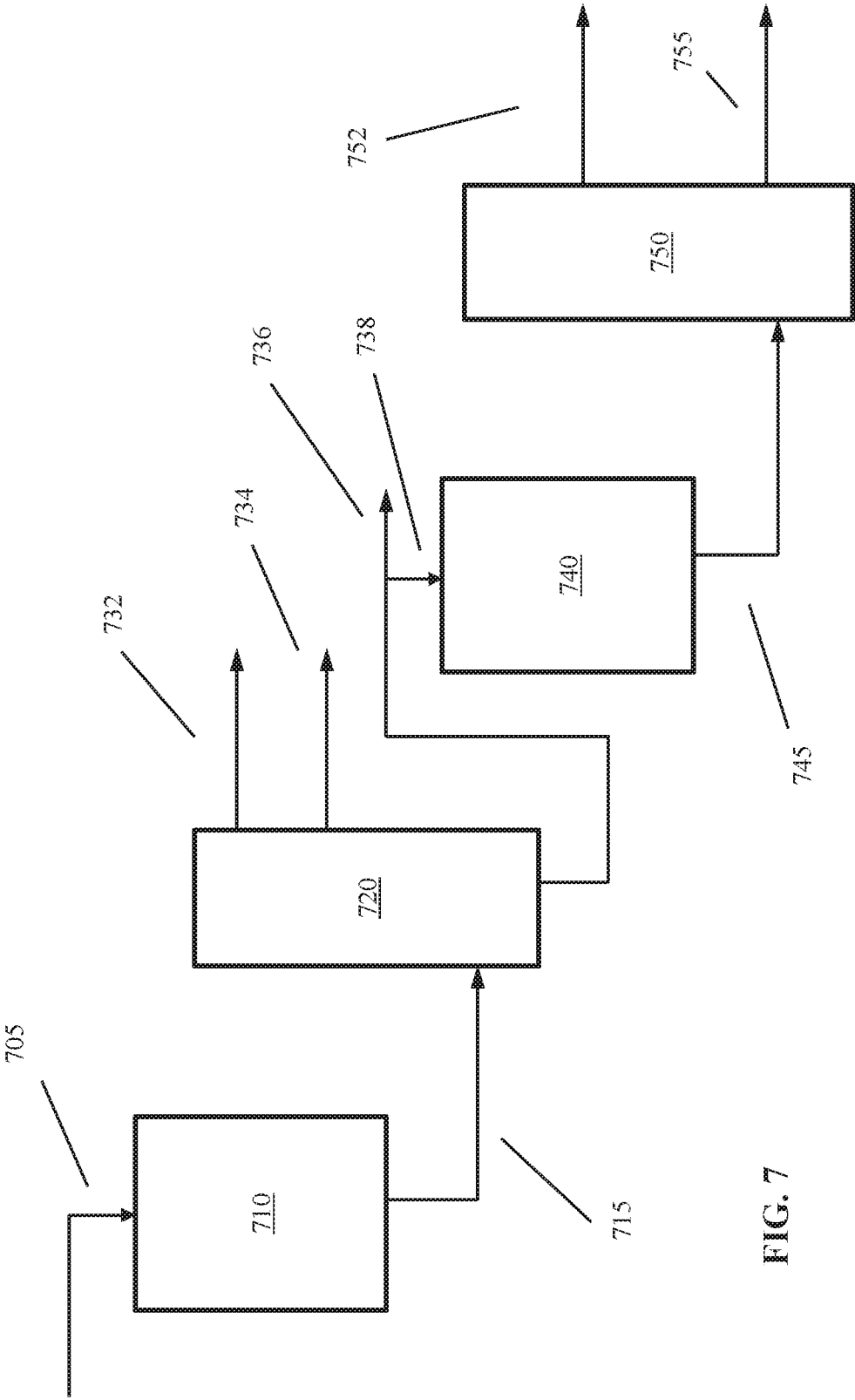


FIG. 7

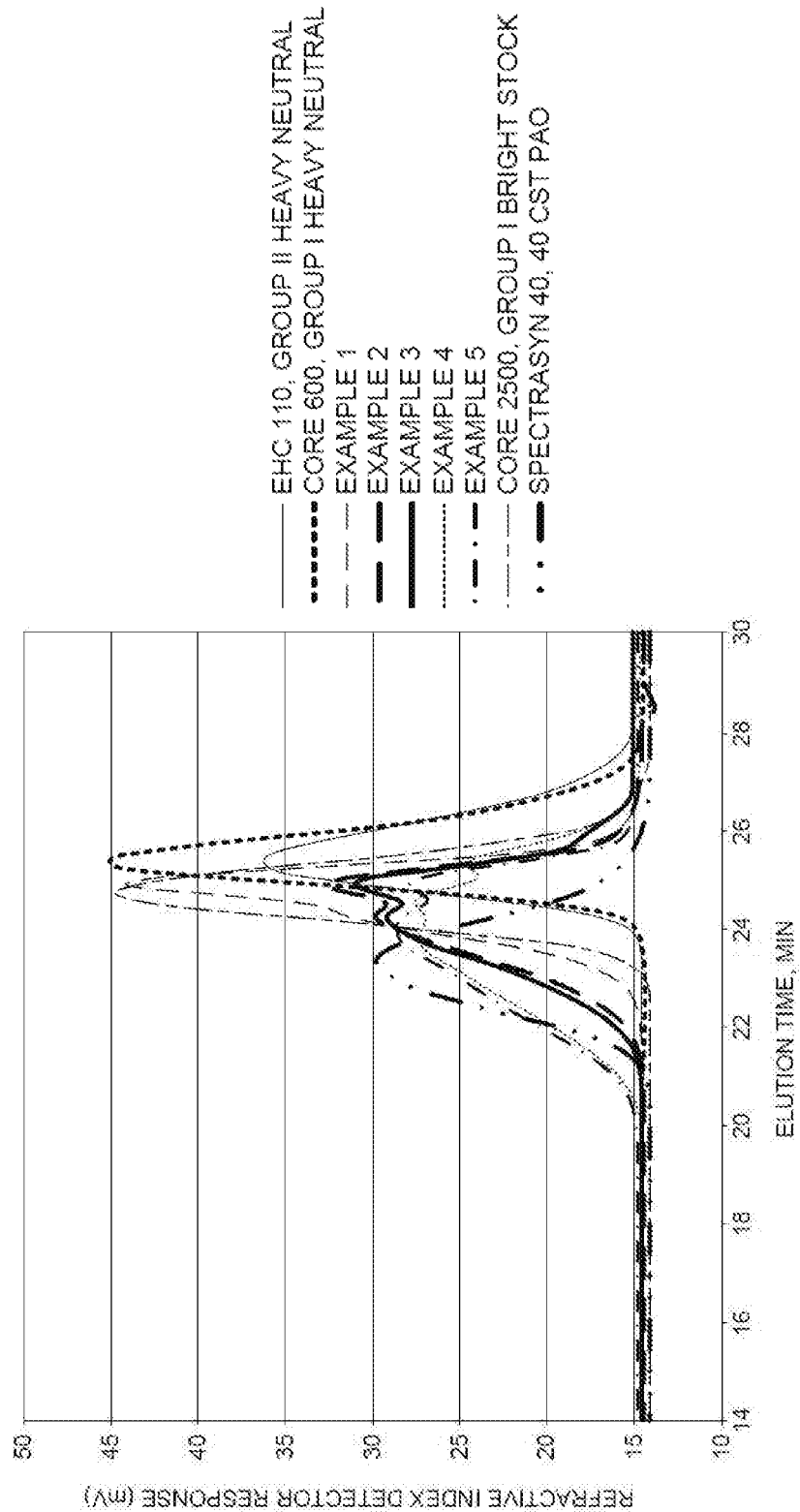


FIG. 8

Description		EHC 110 Group II Heavy Neutral	CORE 2500 Group I Bright Stock	Ex. 1	Ex. 2	Ex. 3	Ex. 4	Ex. 5	Ex. 6
Derived from		NA	NA	EHC 20	EHC 20	EHC 20	EHC 45	EHC 20	F-T liquid
Amount of Peroxide Added/Add Time		NA	NA	10%/2 hrs	30%/2 hrs	30%/4 hrs	30%/4 hrs	100%/4 hrs	30%/2 hrs
Hydrofinished		NA	NA	No	Yes	Yes	Yes	No	No
Viscosity @ 100°C, cSt	Kinematic Viscosity	10.4	31.6	20.2	20.5	28.6	43.4	65.3	27.8
Viscosity @ 40°C, cSt	Kinematic Viscosity	89.8	476	227	206	360	639	1205	316.6
Viscosity Index		97	97	103	116	109	113	112	118
Density@15.6°C, g/cc		0.8766	0.9019	0.8625	0.8577	0.8630	0.8788	0.8750	0.8515
Sulfur, %	ASTM D2622-1	0.0011%	1.15%	ND	<0.0005%	<0.0005%	0.0006%	ND	ND
Aniline Point, °C	ASTM D611	119.4	120.0	133.8	140.8	143.4	144.1	150.2	146.4
Aniline Point Index	Actual /Expected	0.995	NA	1.05	1.11	1.10	1.06	1.07	1.12
Glass Transition Temperature Tg, °C	Differential Scanning Calorimetry (DSC)	ND	-58.8	ND	-78.34	-70.54	-67.99	ND	-73.6
Crystallization Temperature Tc, °C	DSC	ND	-6.25	ND	<-60°C	<-60°C	-33.23	ND	None Detected
Quantitative Carbon-13 NMR									
% Epsilon Carbon	@ 29 - 31 ppm	22.7%	27.3%	22.6%	21.1%	21.4%	23.3%	21.6%	20.4%
% Aromatic Carbon	@ 117 - 150 ppm	0.4%	5.1%	ND	0.0%	0.0%	0.9%	ND	0.0%

FIG. 9

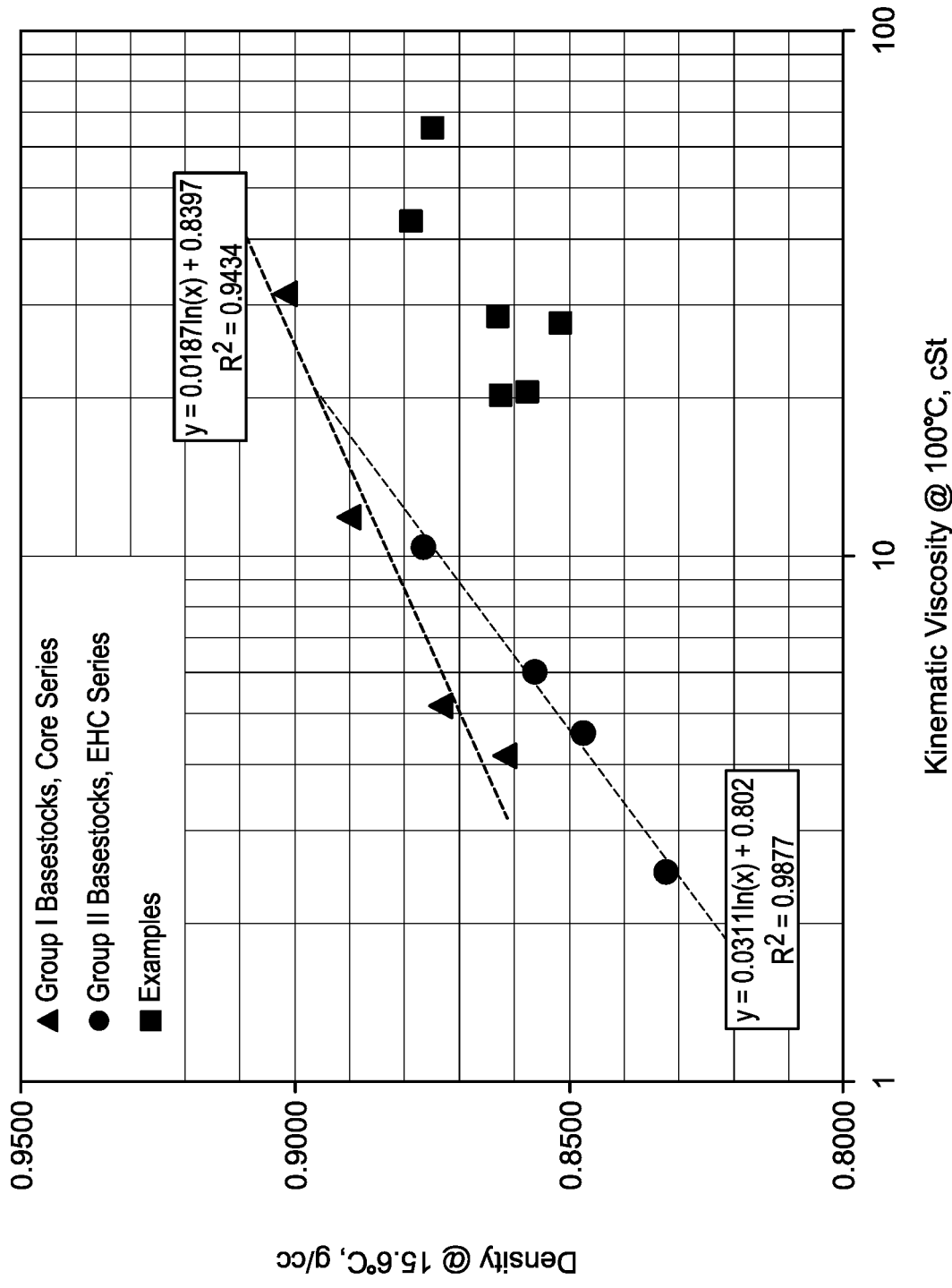


FIG. 10

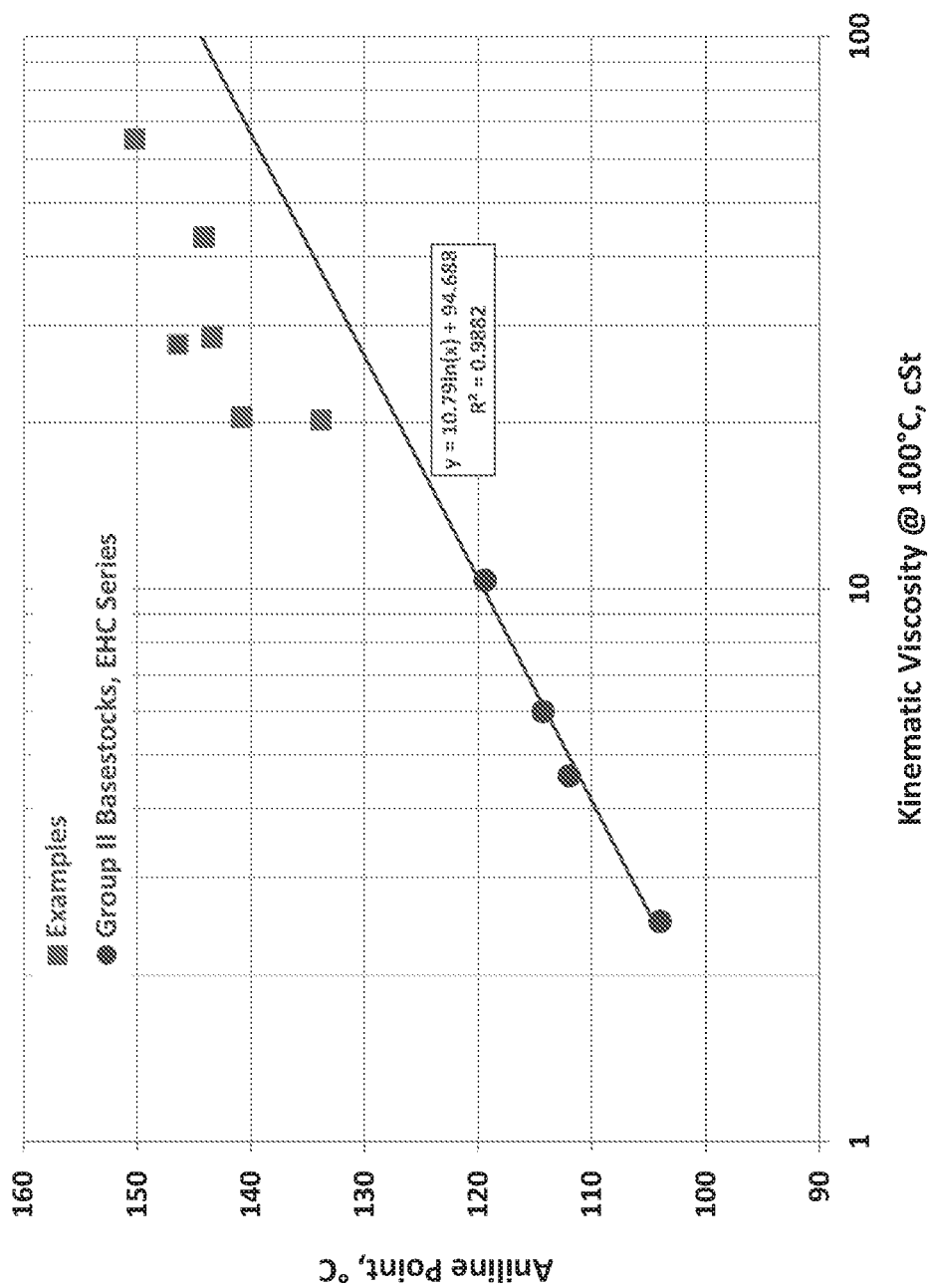


FIG. 11

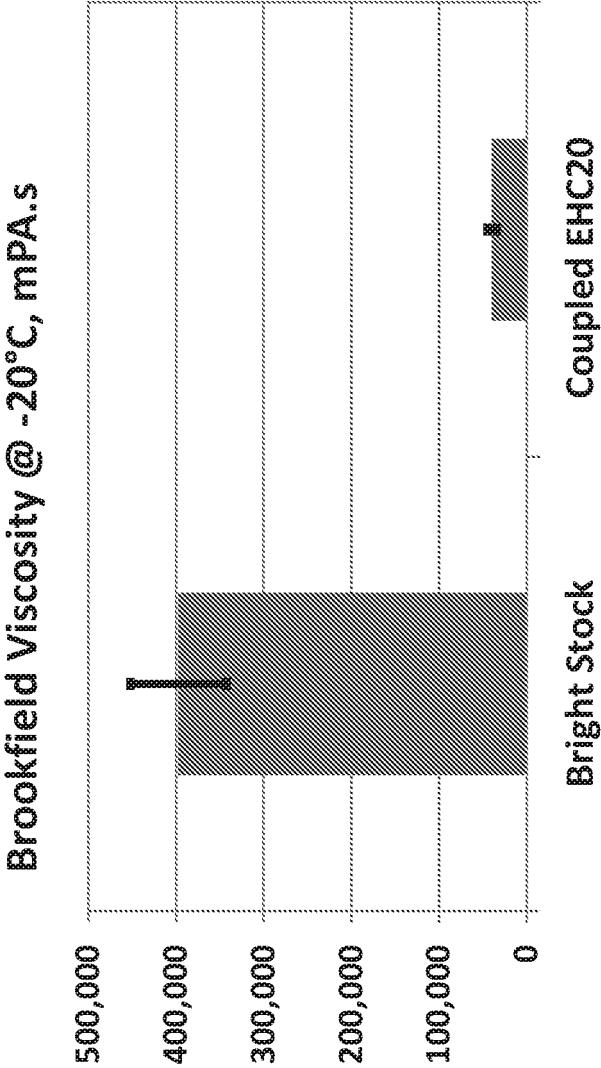


FIG. 12

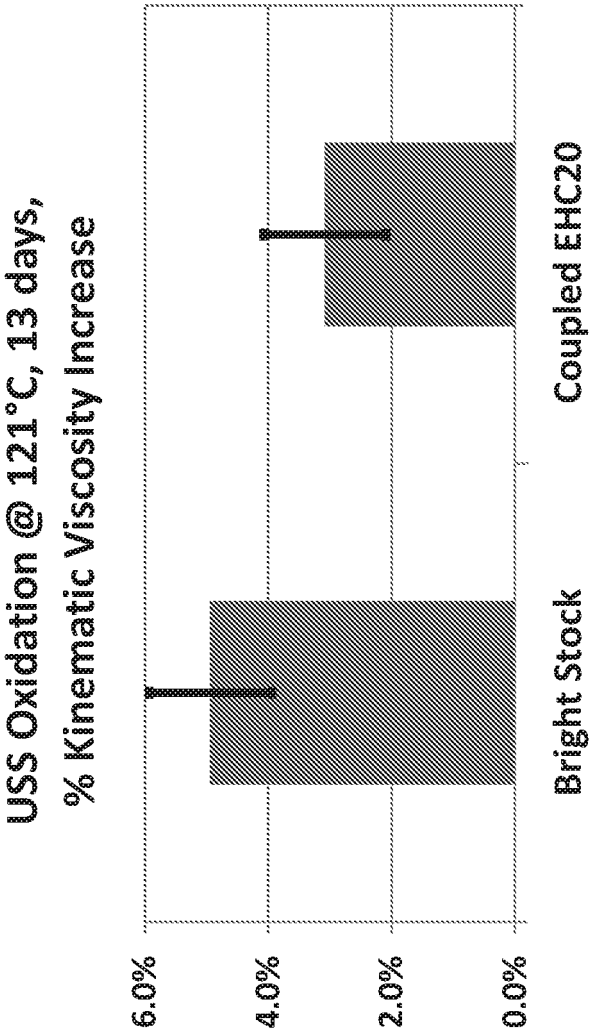


FIG. 13

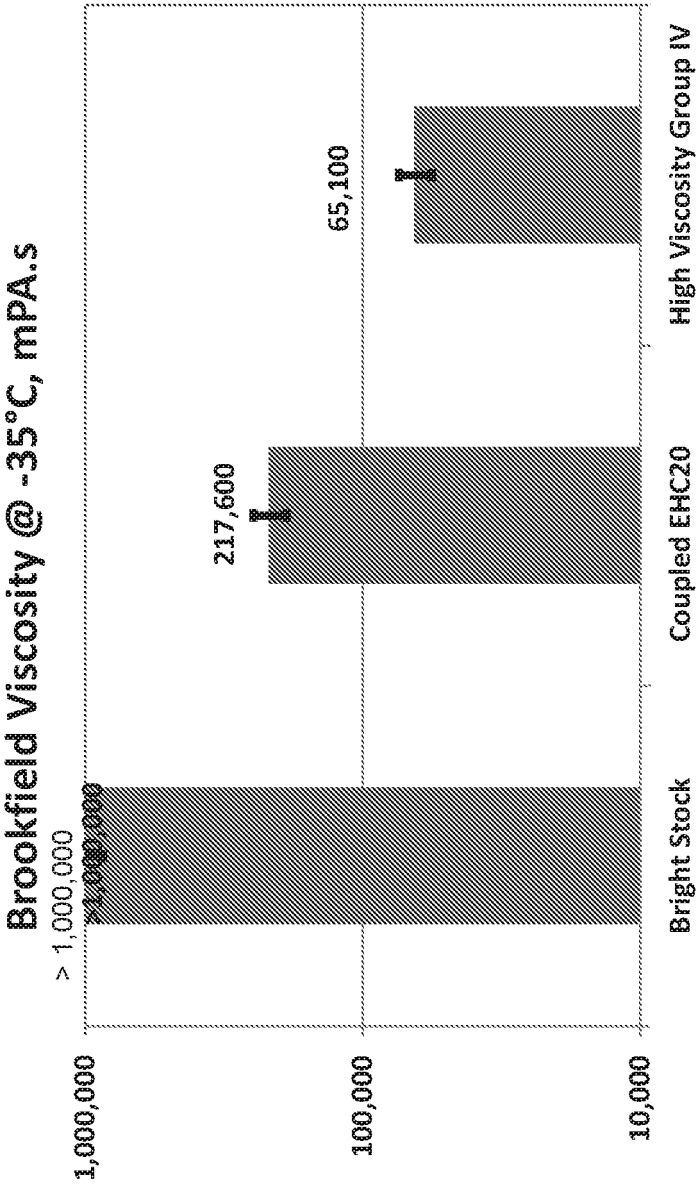


FIG. 14

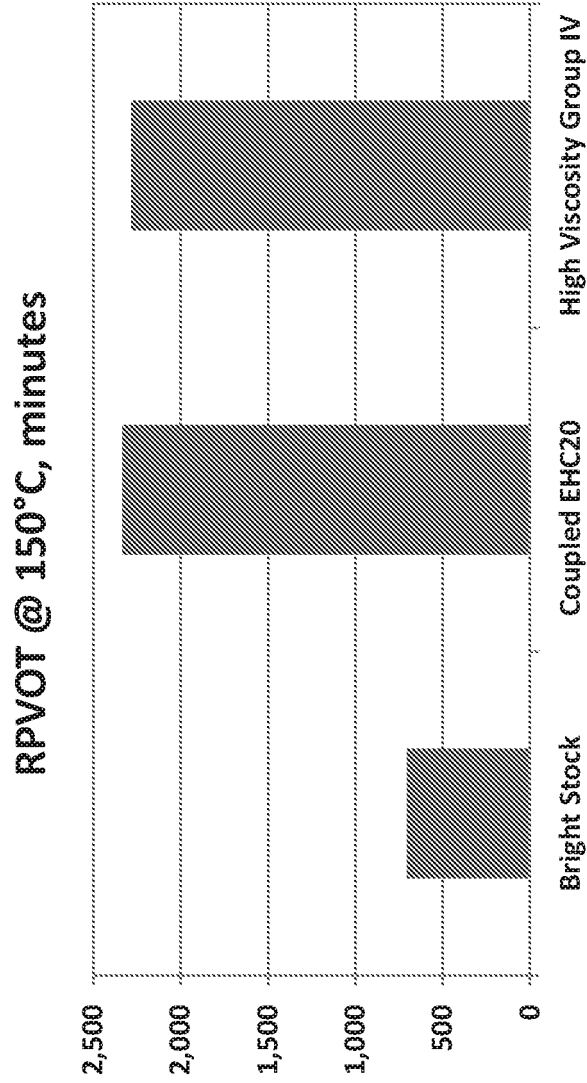


FIG. 15