

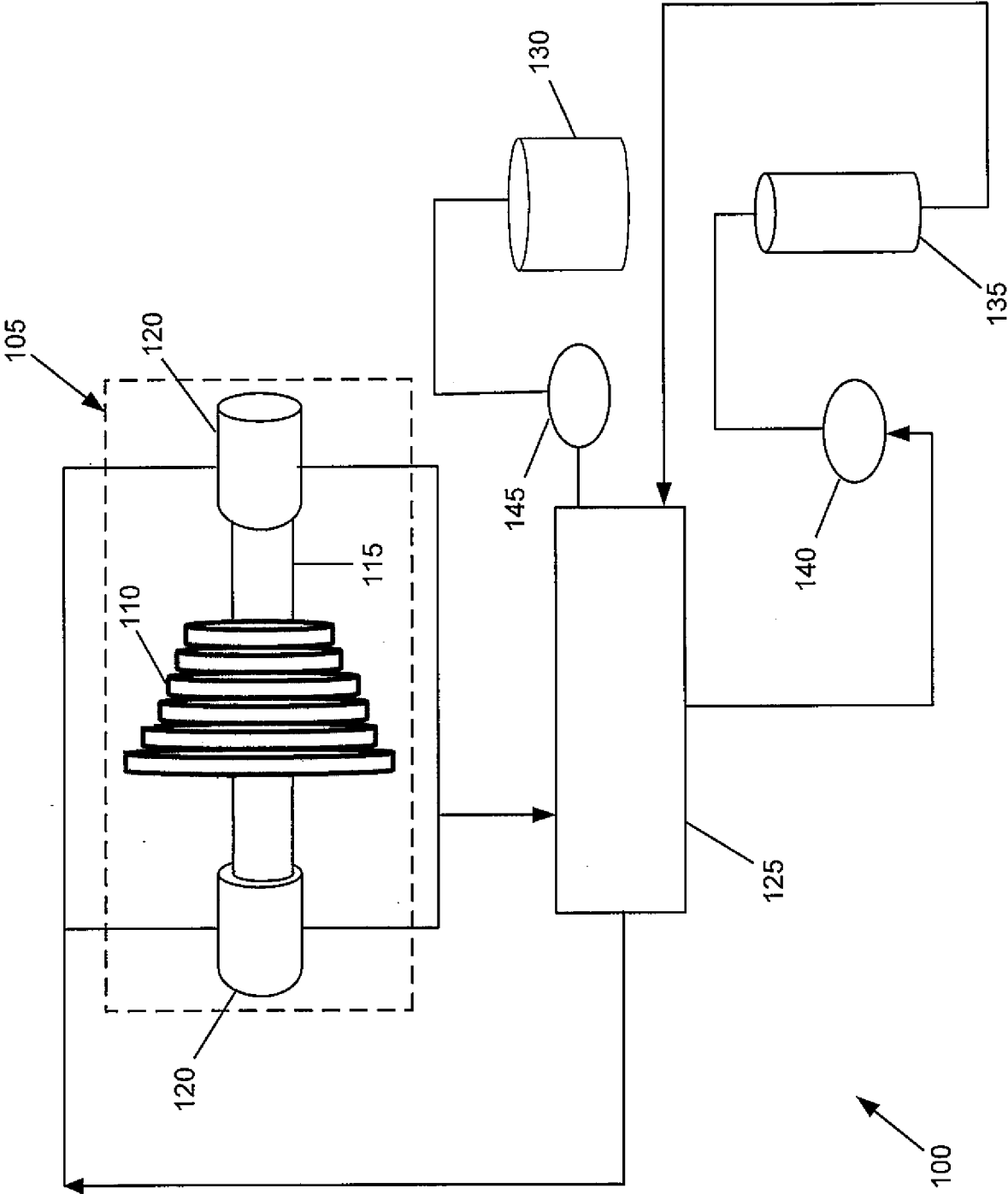


FIG. 1

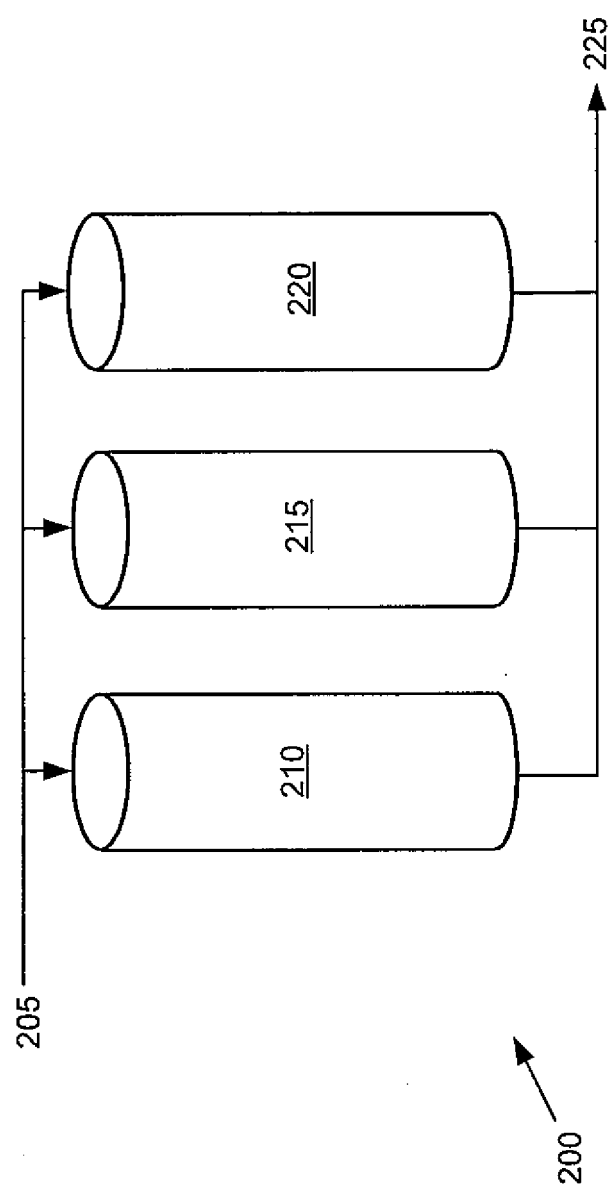


FIG. 2

	MPC Values			Media Types		
	Oil A	Oil B	Oil C	Matrix	Porosity	Weak/Strong Base
In-service Oils						
Initial	48	59	35			
Medium A	18	13	2	Acrylic	Macroporous	Weak
Medium B	36	18	18	Styrene	Macroporous	Weak
Medium C	12	7	18	Gel	Gel	Strong
Medium D (Blend of B and C)	15	24	8	Styrene + Gel	Macroporous + Gel	Weak and Strong Blend

FIG. 3

	In Service Oil (8 years old)	In Service Oil + 5% Solubility Enhancer + Antioxidant
Amminic measured by RULER method	8981.5 (59.4% of brand new)	35817 (237.1)
Phenolic measured by RULER Method	439 (25.9% of brand new oil)	6585 (388.7)
Remaining useful life Calculation for this 8 year oli	7	34
Varnish Potential Measured by Membrane Patch Colorimetry (MPC)	13.177	6.179

FIG. 4

5/8

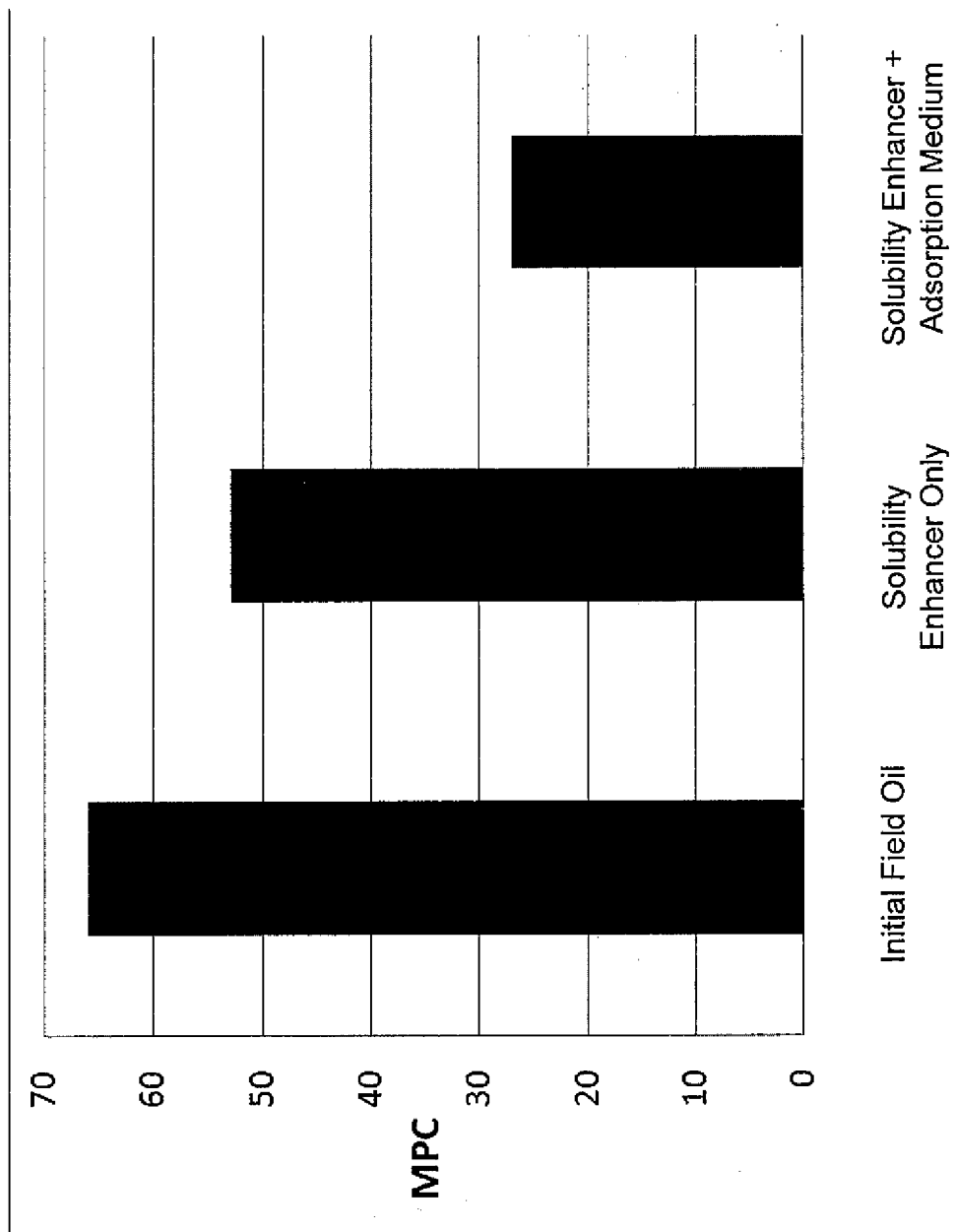


FIG. 5

Ruler, ASTM D6971, Area Amminic (% vs. New Fluid Standard):	10974 (66.2)	26044.5 (237.3)
Ruler, ASTM D6971, Area Phenolic (% vs. New Fluid Standard):	0 (0)	1051 (62)
Membrane Patch Colorimetry, ASTM D7843, AE	28.036	16.551
Foaming Characteristics, ASTM D892, Sequence I, ml foam/seconds to break	90/0-64	0/0

FIG. 6

	No BOOST Solution	Oil with Solubility Enhancer at 10%
Weight of oil (g)	91.98	93.44
Weight of extracts (g)	0.6173	0.6331
% by weight concentration of extracts in oil	0.671 % weight	0.678
Weight of resin	15.003 grams	15.006 grams
Weight of solution used in column testing	76.48 grams	76.48 grams
Temperature of fluids during column testing	60C	60C
Turnovers	74	74
Flow rate	5 ml/min	5 ml/min
Volume of methylene chloride for resin extraction	50 ml	50 ml
Volume of methylene chloride solution allowed to dry on ATR cell	400 microliters	400 microliters
FTIR peak area between 1778 and 1670 cm ⁻¹ (amount of contaminant extracted from resins)	266	408

FIG. 7

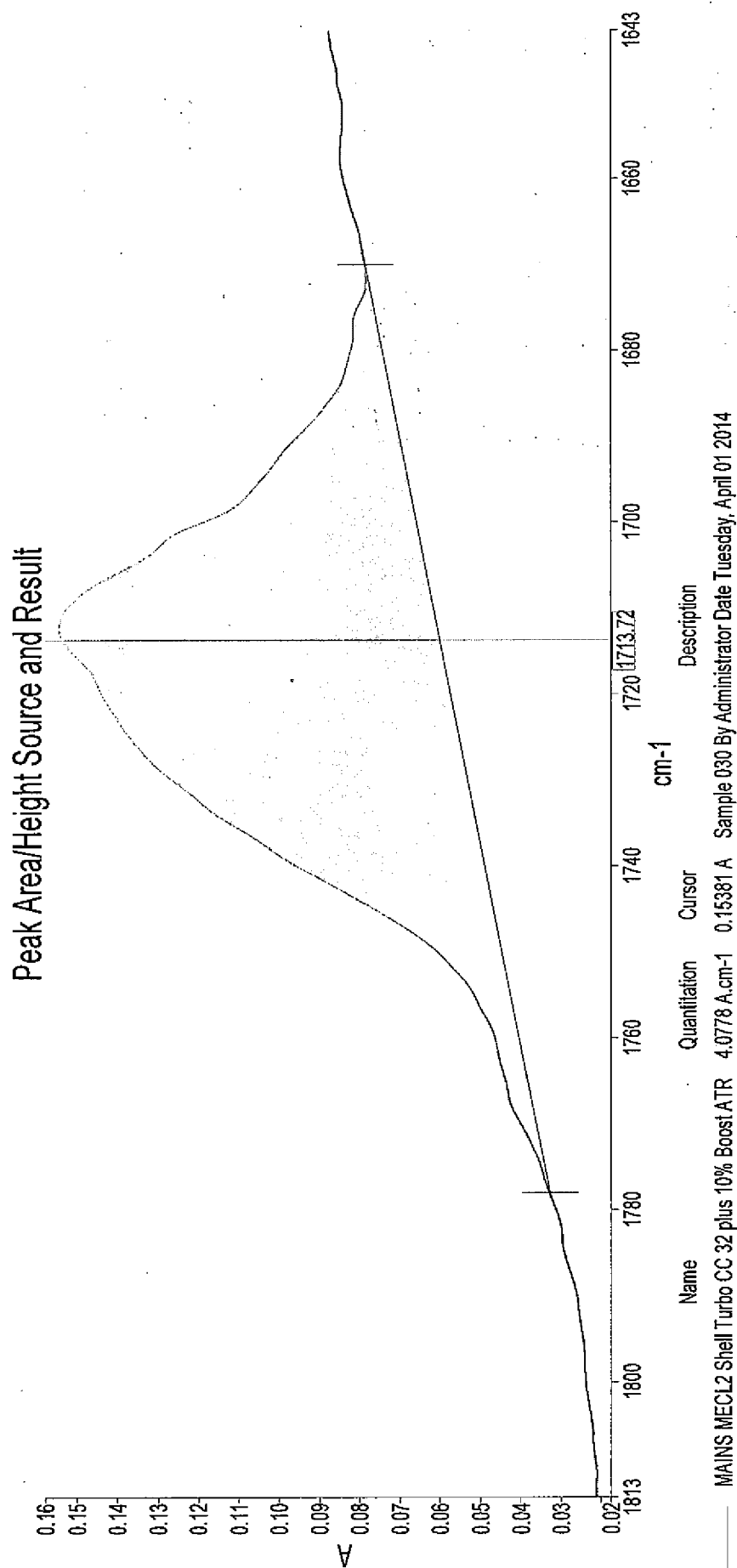


FIG. 8