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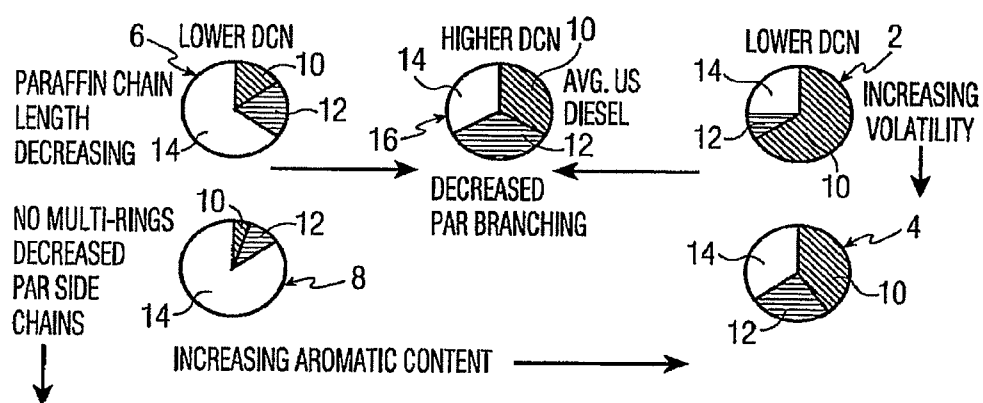


FIG. 1

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PARAMETER	TEST METHOD	GASOLINE FUELS			
		G11	G12	G13	G23
DENSITY @ 15.6°C, g/cm ³	D4052	0.7121	0.7111	0.7101	0.7388
DERIVED CETANE NUMBER	D6890	27.2	29.6	32.0	32.4
RON	D2699	81.4	73.8	66.0	65.0
MON	D2700	79.9	72.3	64.0	60.0
(R+M)/2	-	80.7	73.1	65.0	62.5
DISTILLATION, °C	D86	65	66	63	68
		97	96	94	99
		146	148	151	150
SULFUR, ppm	D2622	48	67	85	40
PIONA, %	D6839	79.3	77.8	76.2	60.3
PARAFFINS		3.7	6.0	8.6	2.7
CYCLOPARAFFINS		3.3	2.8	2.4	1.4
OLEFINS		13.7	13.4	12.7	35.6
AROMATICS		0.8	0.9	0.9	1.5
BENZENE					

FIG. 2

PARAMETER	TEST METHOD	DIESEL FUELS					
		D12	D12 - C	D13	D13 - B	D14	D15
DENSITY @ 15.6°C, g/cm ³	D4052	0.9103	0.8799	0.8200	0.8251	0.8388	0.8682
CETANE NUMBER	D613	26.4	36.5	27.8	34.2	45.9	<19.4
DERIVED CETANE NUMBER	D6890	29.6	37.1	33.1	37.2	45.0	23.4
DISTILLATION, °C	D86	225	218	225	220	213	223
		256	248	265	258	244	268
		315	312	301	303	308	309
SULFUR, ppm	D2622	242	153	124	94	11	23
SFC AROMATICS, %	D5186	25.2	24.6	8.6	12.9	23.1	27.0
		40.2	28.3	5.3	6.6	11.7	27.2
		65.4	52.9	13.9	19.5	34.8	54.2

FIG. 3

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NUMBER OF CYLINDERS	1
DISPLACEMENT	2.44 dm ³
BORE/STROKE	137/165 mm
VALVES/CYLINDER	4
SWIRL RATIO	~0.4

FIG. 4

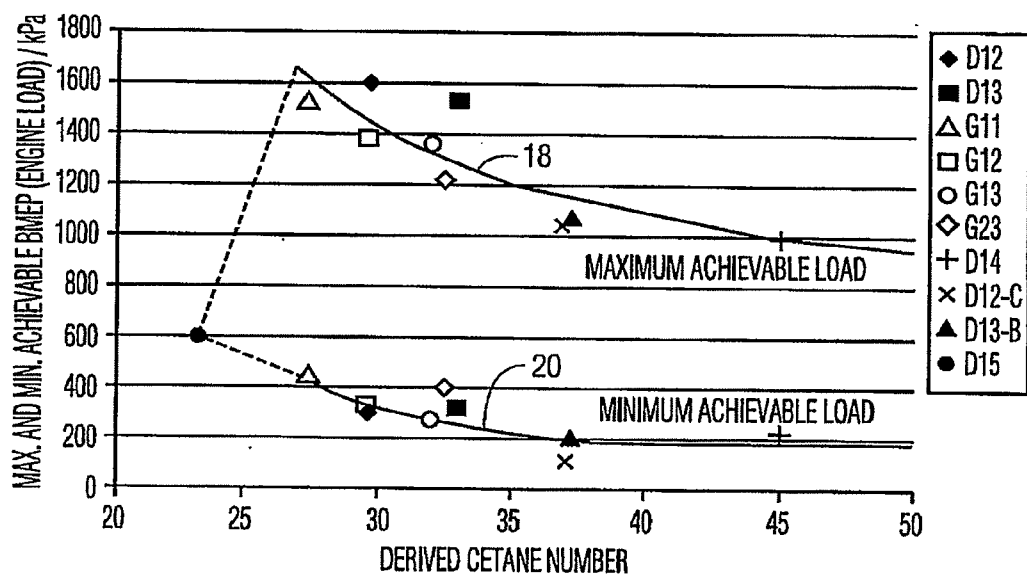


FIG. 5

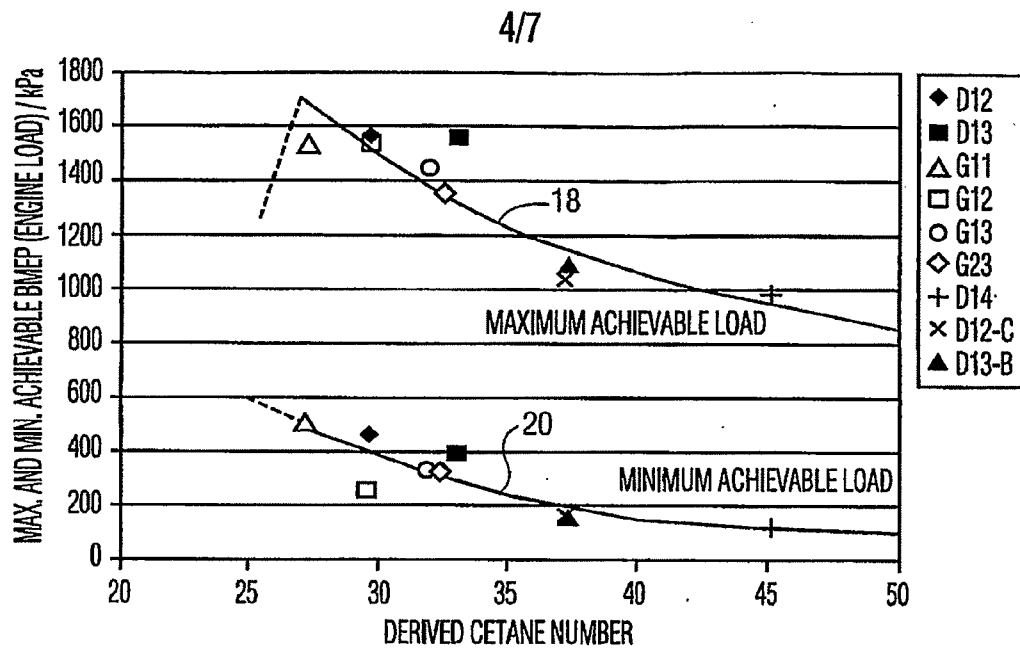


FIG. 6

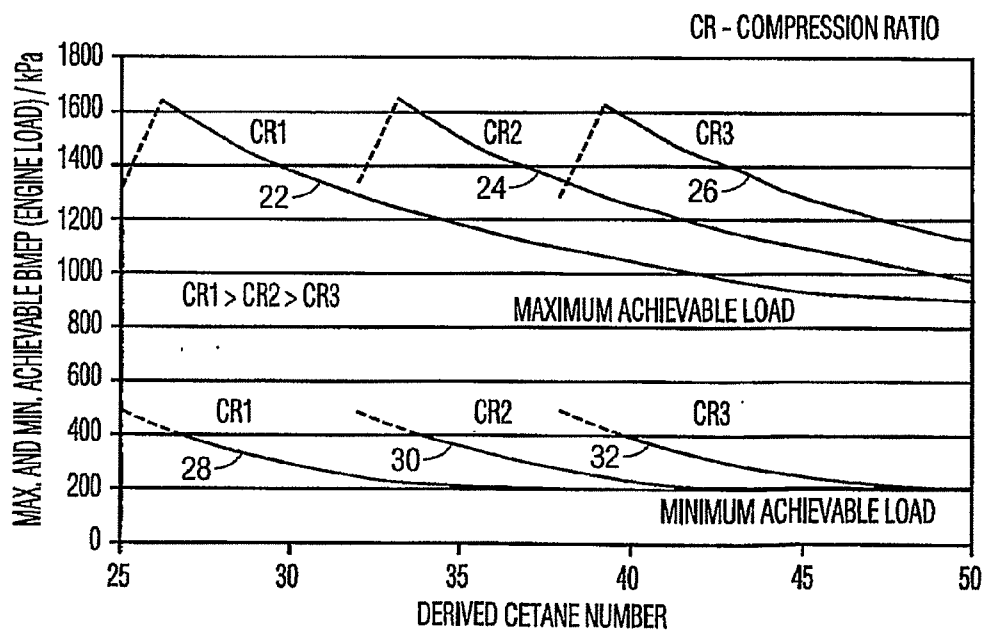


FIG. 7

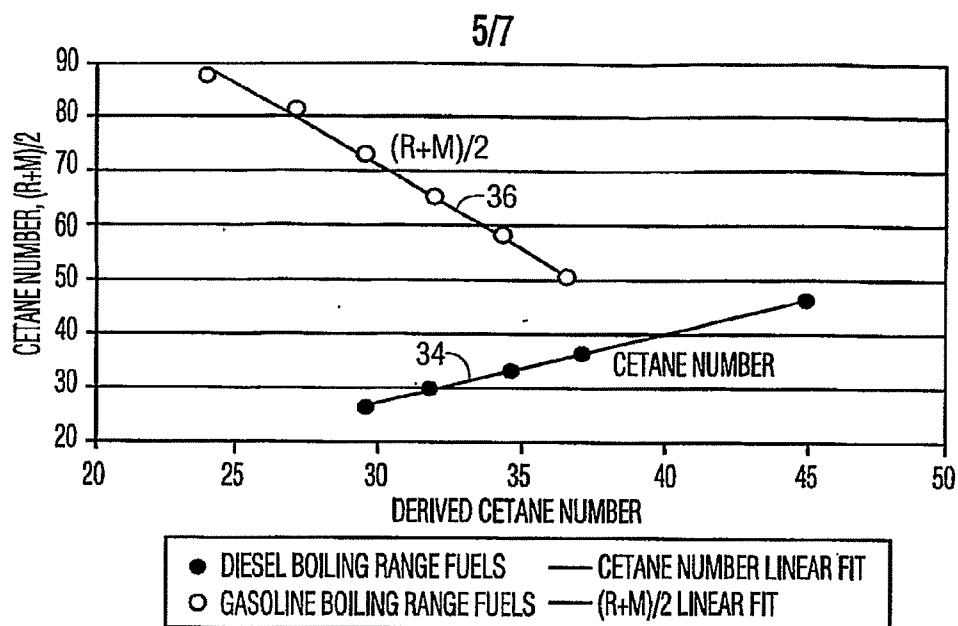


FIG. 8

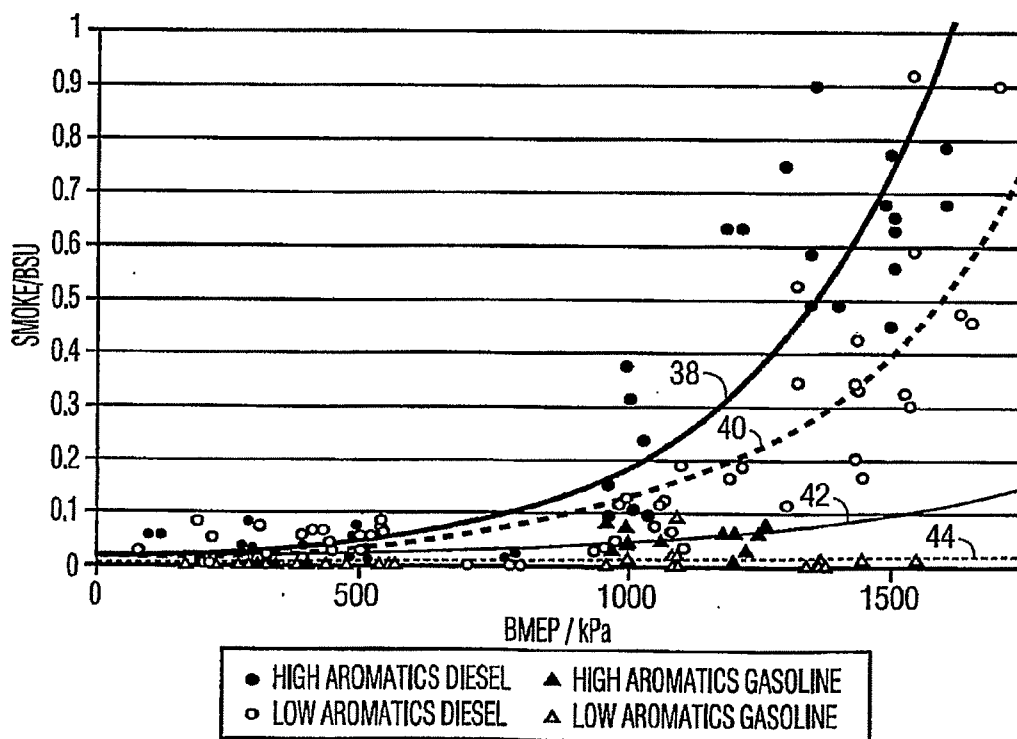


FIG. 9

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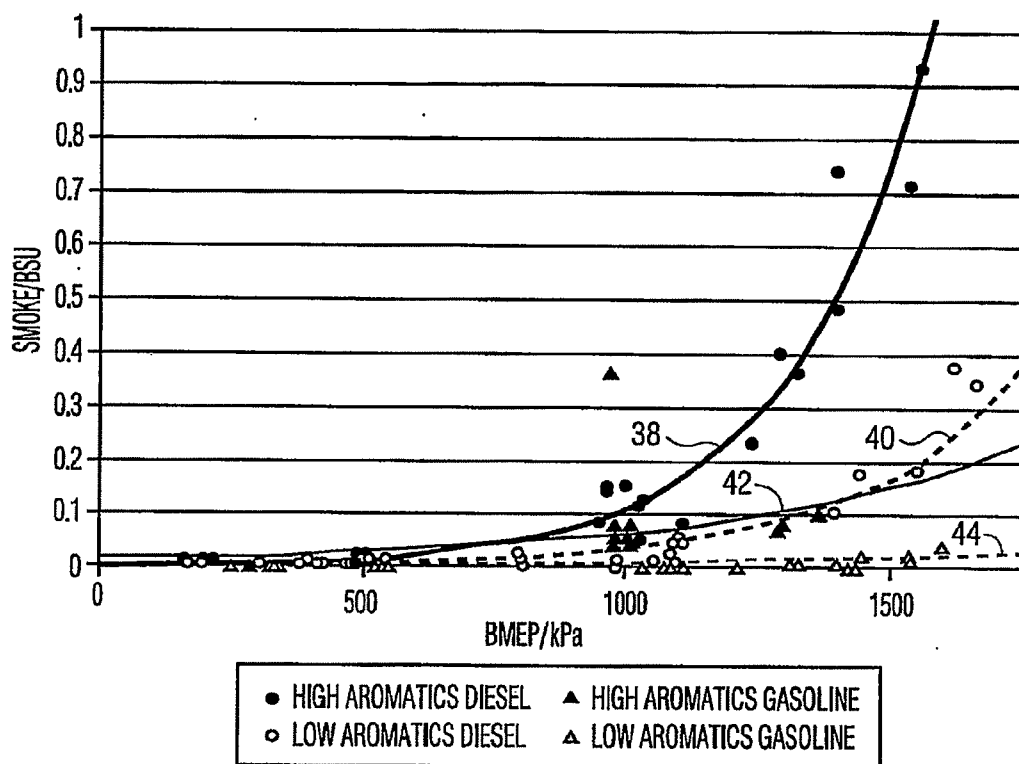


FIG. 10

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FUEL SERIES NAME	FUELS INCLUDED IN SERIES	AVERAGE AROMATIC CONTENT
HIGH AROMATICS DIESEL	D12, D12-C	59.2%
LOW AROMATICS DIESEL	D13, D13-B	16.7%
HIGH AROMATICS GASOLINE	G23	35.6%
LOW AROMATICS GASOLINE	G11, G12, G13	13.3%

FIG. 11

FUEL SERIES NAME	AVERAGE AROMATIC CONTENT	AVERAGE SMOKE DATA					
		LIGHT LOAD		MEDIUM LOAD		HEAVY LOAD	
		1200 rpm	1800 rpm	1200 rpm	1800 rpm	1200 rpm	1800 rpm
HIGH AROMATICS DIESEL	59.2%	0.02	0.01	0.18	0.10	0.65	0.55
LOW AROMATICS DIESEL	16.7%	0.03	0.00	0.07	0.02	0.41	0.23
HIGH AROMATICS GASOLINE	35.6%	0.01	0.00	0.05	0.09	0.06	0.08
LOW AROMATICS GASOLINE	13.3%	0.00	0.00	0.01	0.00	0.01	0.01

FIG. 12