

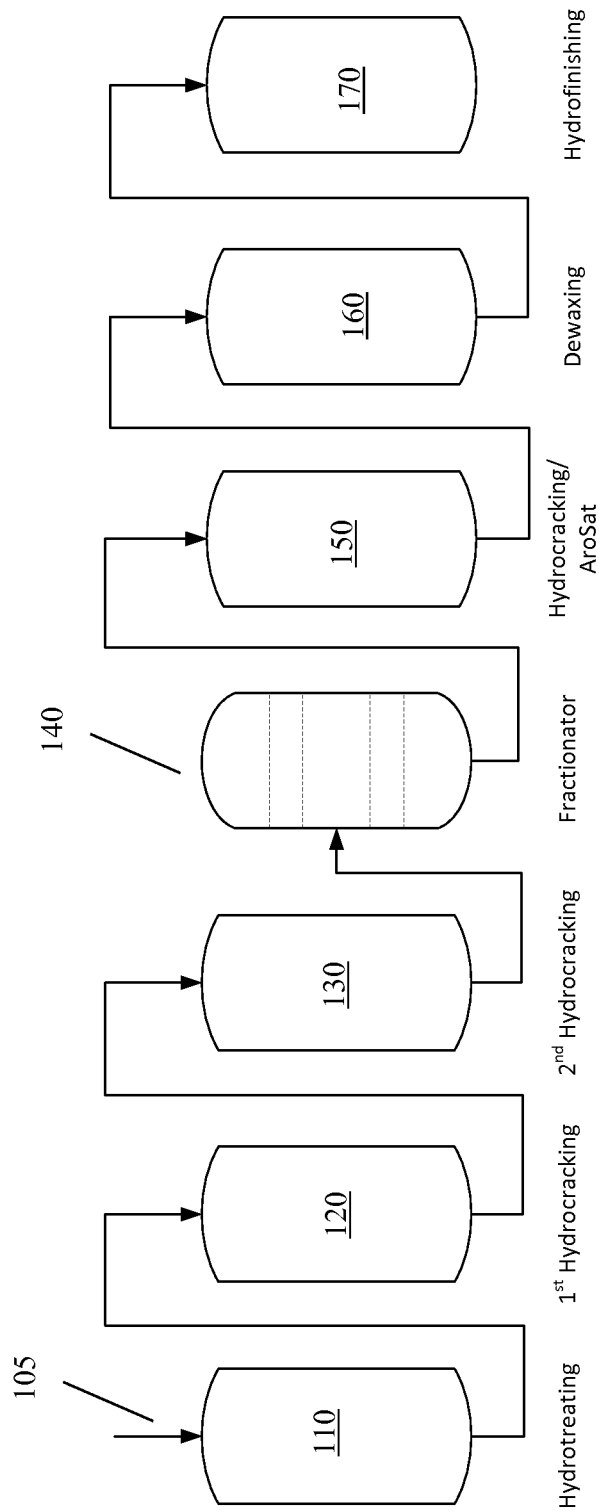


FIG. 1

2/2

Conditions		Feed	Comparative Bulk Catalyst	Catalyst A	50/50 CBC / Supported HDT
LHSV	hr-1		0.5	0.5	0.5
Temp	°C		370	370	376
TGR	scf/lbbl		4400	4400	4400
H2 pressure	psig		1950	1950	1950
Avg Total Liquid Product (TLP) Recovery	wt%		91.8	89.1	90.2
TLP					
Ave. 700 °F+ conversion	wt%		25.2	31.0	32.1
S	wppm	27600	57	13	9
N	wppm	1846	6	1	1
Total aromatics	mmol/kg	1,391	597	387	407
3+ Ring aromatics	mmol/kg	697	19	8	17
%off at 700 °F	wt%	0.03	19.4	25.2	24.7
API @ 60 °F			27.4	28.7	29.4
Lube (700 °F+)					
Lube yield	wt%		83.7	77.4	79.1
VI		41.17	90.6	100.1	101.8
API @ 60 °F			27.4	29.3	29.3
Total aromatics	mmol/kg		554	326	341
3+ Ring aromatics	mmol/kg		38.5	18	26
Dry Wax	wt%		15	14.7	14.8
Dewaxed Oil (700 °F+)					
VI		18.6	73.9	85.6	86.2
Pour point	°C	-15	-18	-18	-18
VI @ -15 °C PP			74.9	86.6	87.2

FIG. 2