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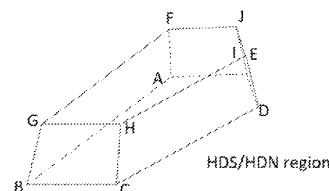
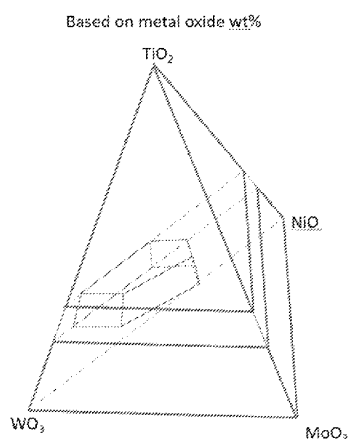
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(54) Title: TETRAMETALLIC BULK HYDROPROCESSING CATALYSTS



	wt%			
	NiO	MoO3	WO3	TiO2
A	0.59	0.00	0.41	0.2
B	0.03	0.00	0.72	0.2
C	0.02	0.37	0.54	0.2
D	0.31	0.25	0.24	0.2
E	0.40	0.14	0.25	0.2
F	0.54	0.00	0.36	0.3
G	0.07	0.00	0.63	0.3
H	0.08	0.15	0.48	0.1
I	0.27	0.22	0.21	0.3
J	0.35	0.12	0.23	0.3

FIG. 1

(57) Abstract: Bulk catalysts comprised of oxides of nickel, molybdenum, tungsten and titanium and methods for synthesizing bulk catalysts are provided. The catalysts are useful for hydroprocessing, particularly hydrosulfurization and hydrodenitrogenation, of hydrocarbon feedstocks. The bulk catalyst precursor is not calcined and comprises hydroxides.

[Continued on next page]

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