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(71) Applicant: LUMMUS TECHNOLOGY LLC [US/US];

1515 Broad Street, Bloomfield, NJ 07003-3096 (US).

(72) Inventors: TOMSULA, Bryan; 1515 Broad Street, Bloomfield, NJ 07003-3096 (US). CHEN, Liang; 1515 Broad Street, Bloomfield, NJ 07003-3096 (US). LOEZOS, Peter; 1515 Broad Street, Bloomfield, NJ 07003-3096 (US). MARRI, Rama, Rao; 1515 Broad Street, Bloomfield, NJ 07003-3096 (US).

(74) Agent: GRIFFITH, Aron, T. et al.; Osha Liang LLP, 909 Fannin Street, Suite 3500, Houston, TX 77010 (US).

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(54) Title: STAGED FLUID CATALYTIC CRACKING PROCESSES INCORPORATING A SOLIDS SEPARATION DEVICE FOR UPGRADING NAPHTHA RANGE MATERIAL

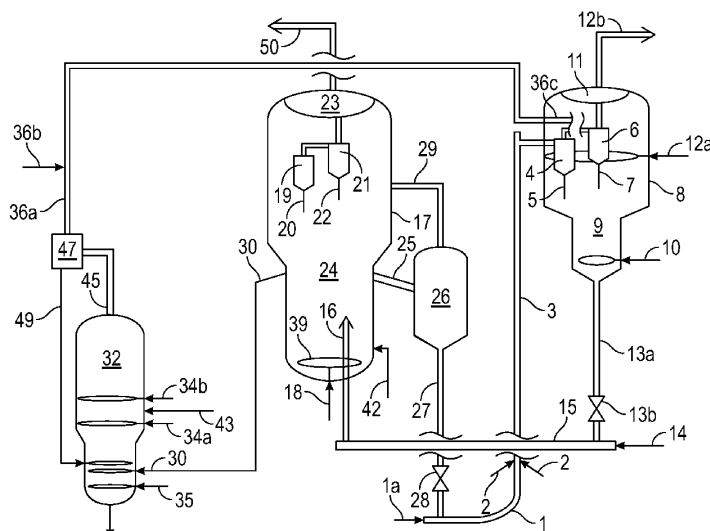


FIG. 6

(57) Abstract: Processes and systems for the conversion of hydrocarbons herein may include separating an effluent from a moving bed reactor, the effluent including reaction product, first particulate catalyst, and second particulate catalyst. The separating may recover a first stream including the reaction product and first particulate catalyst and a second stream including second particulate catalyst. The second stream may be admixed with a regenerated catalyst stream including both first and second particulate catalyst at an elevated temperature. The admixing may produce a mixed catalyst at a relatively uniform temperature less than the elevated regenerated catalyst temperature, where the temperature is more advantageous for contacting light naphtha and heavy naphtha within the moving bed reactor to produce the effluent including the reaction product, the first particulate catalyst, and the second particulate catalyst.

[Continued on next page]

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