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Kurukchi et al.

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(54) **GAS DISTRIBUTOR FOR HEAT EXCHANGE AND/OR MASS TRANSFER COLUMN**

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See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a device that conditions high entrance velocity, superheated feed gas, which include some high boiling components, for example, asphaltenes and polynuclear aromatics that tend to coke upon condensation and exposure to the superheated feed gas temperature. Also included in superheated feed gas are solid catalyst fines, from a single or multiple feed nozzles to a quiescent flow regime for uniform distribution of the gases, to a contact device within the Main Fractionator (MF) column.

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