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(54) Title: DISTRIBUTOR SUPPORT SYSTEM FOR CHEMICAL FEED DISTRIBUTORS IN FLUIDIZED BED SYSTEMS

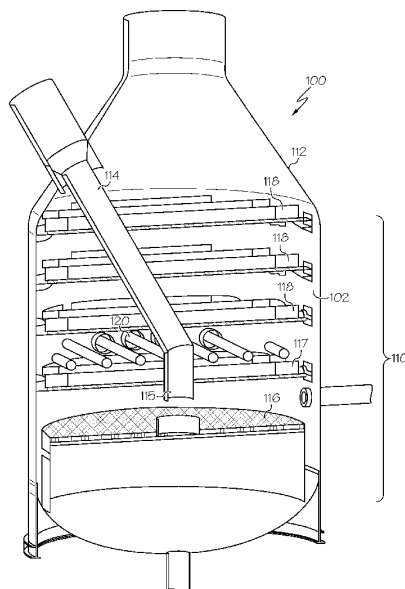


FIG. 1

(57) Abstract: A fluidized bed processing system include a vessel having a vessel wall and a plurality of chemical feed distributors coupled to the vessel wall and extending into an internal volume of the vessel. Each of the chemical feed distributors includes a distributor body forming a chemical feed flow path and a plurality of chemical feed outlets. The fluidized bed processing system further includes at least one intermediate beam having at plurality of slots spaced apart along a beam length. That intermediate beam is coupled to the vessel wall at both ends, each chemical feed distributor passes through one slot of the intermediate beam, and the intermediate beam provides vertical support for each of the plurality of chemical feed distributors. The fluidized bed processing system can include lateral guides. The intermediate beams and lateral guides support the chemical feed distributors vertically and laterally.

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