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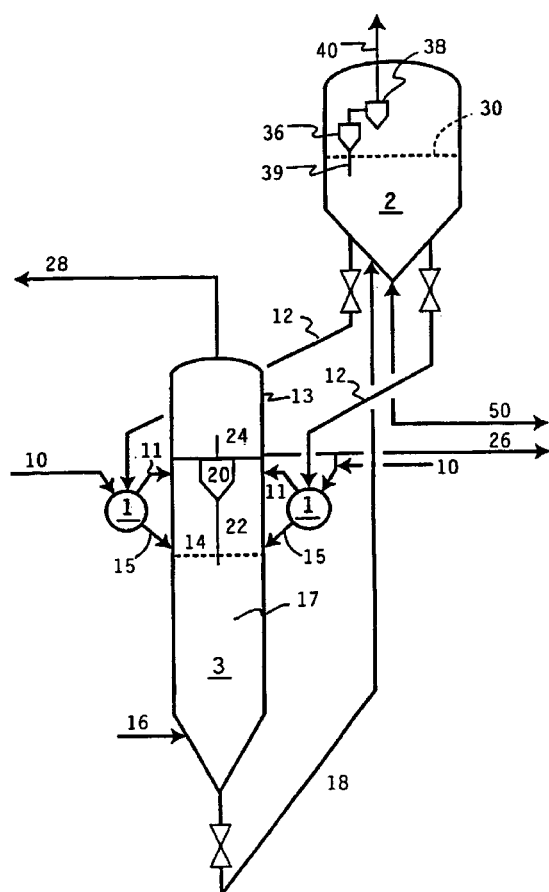
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(54) Title: PROCESS FOR UPGRADING RESIDUA



(57) Abstract: A process for upgrading a residua feedstock using a short vapor contact time thermal process unit comprised of a horizontal moving bed of fluidized hot particles. The residua feedstock is preferably atomized so that the Sauter mean diameter of the residua feedstock entering the reactor is less than about 2500 μm . One or more horizontally disposed screws is preferably used to fluidize a bed of hot particles.

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