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(54) Title: METHOD AND APPARATUS FOR LOADING CATALYST

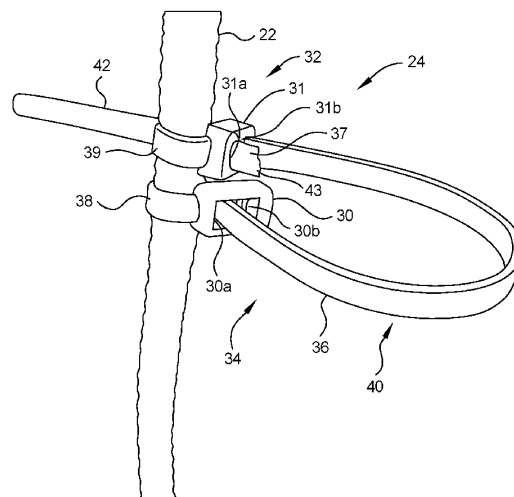


FIG. 3

(57) Abstract: According to embodiments, an apparatus for distributing solid particles into a tube includes a center member and a plurality of damper members connected to the center member. Each damper member includes a loop extending away from the center member. Each loop is arranged on the center member extending from a first position on the center member to a second position on the center member different from the first position in a longitudinal direction of the center member.

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