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(54) **Title:** CHEMICAL FEED DISTRIBUTORS AND METHODS OF USING THE SAME

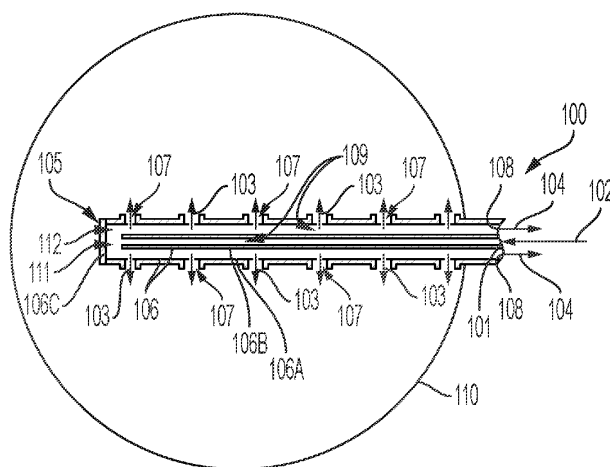


FIG. 1A

(57) **Abstract:** According to one or more embodiments, a chemical feed distributor may include a chemical feed inlet, a body, a plurality of primary chemical feed outlets, and a secondary chemical feed outlet. The chemical feed inlet may pass a chemical feed stream into the chemical feed distributor. One or more walls of the body may define an elongated chemical feed stream flow path. The plurality of primary chemical feed outlets may be spaced along at least a portion of the length of the elongated chemical feed stream flow path and may be operable to pass a first portion of the chemical feed stream out of the feed distributor and into a vessel. The secondary chemical feed outlet may be downstream of the plurality of primary chemical feed outlets and may be operable to pass a second portion of the chemical feed stream out of the chemical feed distributor.

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