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(54) **Title:** SYSTEMS AND METHODS FOR PRODUCING A SUPPORTED CATALYST

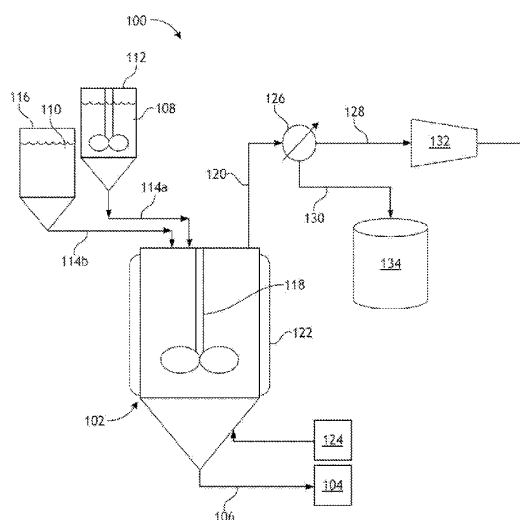


FIG. 1

(57) **Abstract:** A method of producing a supported catalyst includes introducing a dissolved catalyst solution into a catalyst mix vessel, and after introducing the dissolved catalyst solution into the catalyst mix vessel, introducing a porous support material into the catalyst mix vessel. The catalyst mix vessel is then operated to contact the dissolved catalyst solution on the porous support material and thereby generate the supported catalyst, and the supported catalyst is discharged from the catalyst mix vessel.

[Continued on next page]

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