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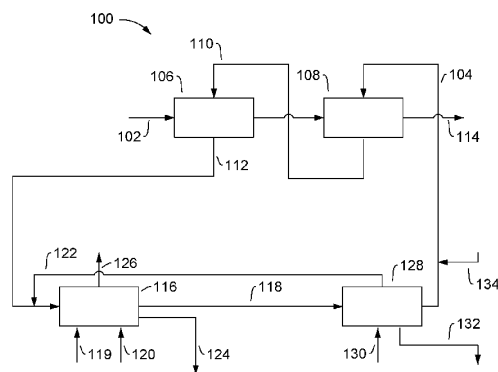


FIG. 1

(57) Abstract: A method of producing a catalytic carbon fiber may include: oxidizing a virgin carbon fiber to produce an oxidized carbon fiber; reacting the oxidized carbon fiber with a polyamine compound to produce an amine modified carbon fiber; and reacting the amine modified carbon fiber with an organometallic macrocycle to produce the catalytic carbon fiber.

[Continued on next page]

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