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(71) Applicant: **SIGNA CHEMISTRY, INC.** [US/US]; 445
Park Avenue, Suite 1036, New York, NY 10022 (US).

(72) Inventors; and

(71) Applicants : **WALLACE, Andrew, P.** [US/US]; 36 Park-
side Drive, Davis, CA 95616 (US). **MELACK, John, M.**
[US/US]; 35260 Russell Boulevard, Winters, CA 95694
(US). **LEFENFELD, Michael** [US/US]; 20 West 64th
Street, Apt. 40V, New York, NY 10023 (US).

(74) Agents: **EVANS, Barry et al.**; **LUCAS & MERCANTI,**
LLP, 475 Park Avenue South, 15th floor, New York, NY
10016 (US).

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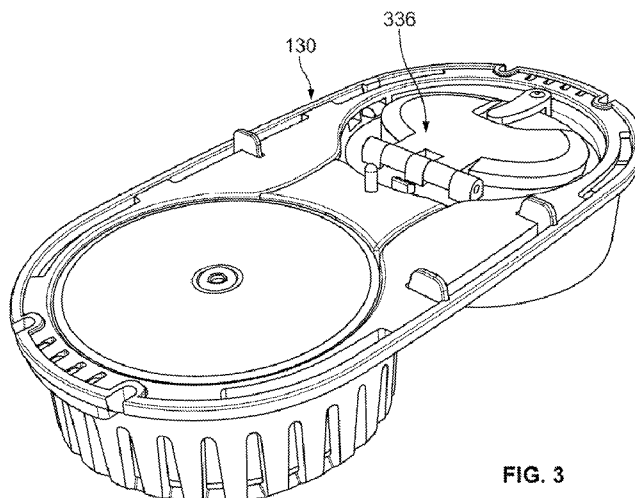


FIG. 3

(57) Abstract: A water reactive hydrogen fueled power system includes devices and methods to combine reactant fuel materials and aqueous solutions to generate hydrogen. The generated hydrogen is converted in a fuel cell to provide electricity. The water reactive hydrogen fueled power system includes a fuel cell, a water feed tray, and a fuel cartridge to generate power for portable power electronics. The removable fuel cartridge is encompassed by the water feed tray and fuel cell. The water feed tray is refillable with water by a user. The water is then transferred from the water feed tray into the fuel cartridge to generate hydrogen for the fuel cell which then produces power for the user.



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