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(71) Applicant: **BEAM ALPHA, INC.** [US/US]; 1275 Roosevelt Road, Suite 132, West Chicago, IL 60185 (US).

(72) Inventors: **JACKSON, Gerald, Peter**; 6380 New Albany Road, Lisle, IL 60532-3235 (US). **ZLOTNICKI, Joseph, Matthew**; 803 79th Place, Downers Grove, IL 60516 (US).

(74) Agent: **TRZYNA, Peter, K.**; P.O. Box 7131, Chicago, IL 60680 (US).

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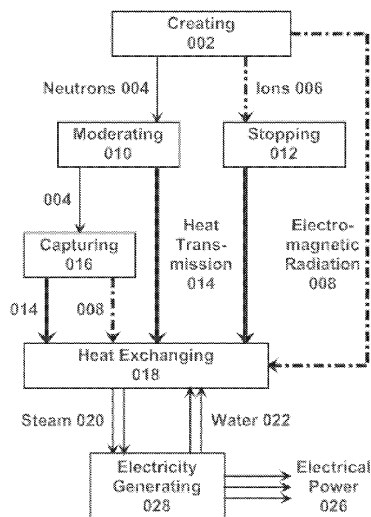


Figure 1

(57) Abstract: A machine, article, process of using, process of making, products produced thereby and necessary intermediates. Illustratively, there can be a process of producing electrical power, the process comprising: creating neutrons via nuclear reactions, said neutrons carrying neutron kinetic energy; moderating said neutrons to thermal energies to produce moderated neutrons, converting the neutron kinetic energy into heat, and transmitting said heat to a heat exchanger; creating ions via the nuclear reactions, stopping the ions to produce heat, and transmitting to said heat exchanger the heat generated by the stopping of the ions; capturing said moderated neutrons with sulfur atoms to produce heat, and transmitting to said heat exchanger energy released by the capturing of said moderated neutrons; transmitting energy from decaying radioisotopes created by the capturing of said moderated neutrons to said heat exchanger; heat exchanging at least some of each said heat and energy in said heat exchanger by converting water into steam; and generating electrical power with said steam.

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