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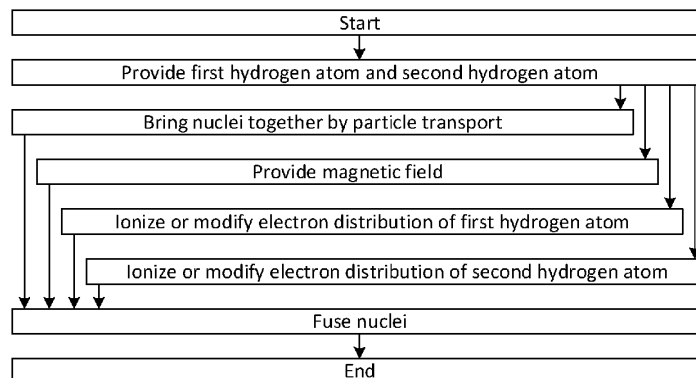


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(54) Title: METHOD AND APPARATUS FOR ENERGY CONVERSION

Fig. 16



(57) **Abstract:** Method for converting nuclear energy by fusing deuterium or tritium nuclei, which method comprises the initial step of providing a first atom, in turn comprising a first nucleus and a first electron, and a second atom, in turn comprising a second nucleus and a second electron, which method further comprises the following steps: a) bringing the first and second nucleus together at a distance of at the most 7 Å; b) applying a magnetic field (B) arranged to align spins of said first and second nucleus so that spin axes are antiparallel and directed either towards each other or away and projected on a common line between the first and second nuclei, which common line is parallel to the magnetic field (B); c) modifying the electron orbits of said first and second electrons such that a spatial distribution is skewed away from a region not located between the first and second nuclei along the common line, or ionizing said atoms; wherein the first and second hydrogen nuclei are brought together at said distance, with said spin orientation and said ionized or electron orbit modified state at one and the same time. The invention also relates to a system.

[Continued on next page]

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