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(57) Abstract :

The present disclosure provides a system and method for electricity amplification by magnetic field generation. It may include a SET 102 to entrap electrons from flow of current, and a Stern-Gerlach module 104 to identify spin of the entrapped electrons, wherein the spin of the entrapped electrons pertain to any of a first spin orientation and a second spin orientation. It also includes an electron spin filter 106 to filter electrons having the first spin orientation; and a magnetic field generator 108 to alter spin of the electrons from the first spin orientation to the second spin orientation in presence of a magnetic field. Further, due to magnetic repulsion, electrons having the first spin orientation push each other in an outward direction, and electrons having the second spin orientation pull each other inside, thereby amplifying electricity.

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