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(54) **RESONATOR ARRAYS FOR WIRELESS ENERGY TRANSFER**

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(57) **ABSTRACT**

Described herein are improved configurations for an apparatus that may include a plurality of resonators electrically interconnected and arranged in an array to form a composite resonator for wireless power transfer, each one of the plurality of resonators may include a block of a magnetic material having a conductor wire wrapped around a cross section thereof to form at least one loop enclosing an area substantially equal to the cross section, wherein the plurality of resonators are may be oriented so that a dipole moment of each one of the plurality of resonators is aligned with a dipole moment of each other one of the plurality of resonators.

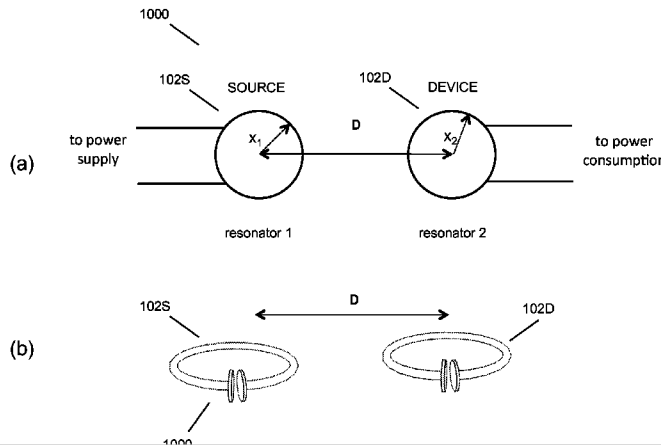


Fig. 1

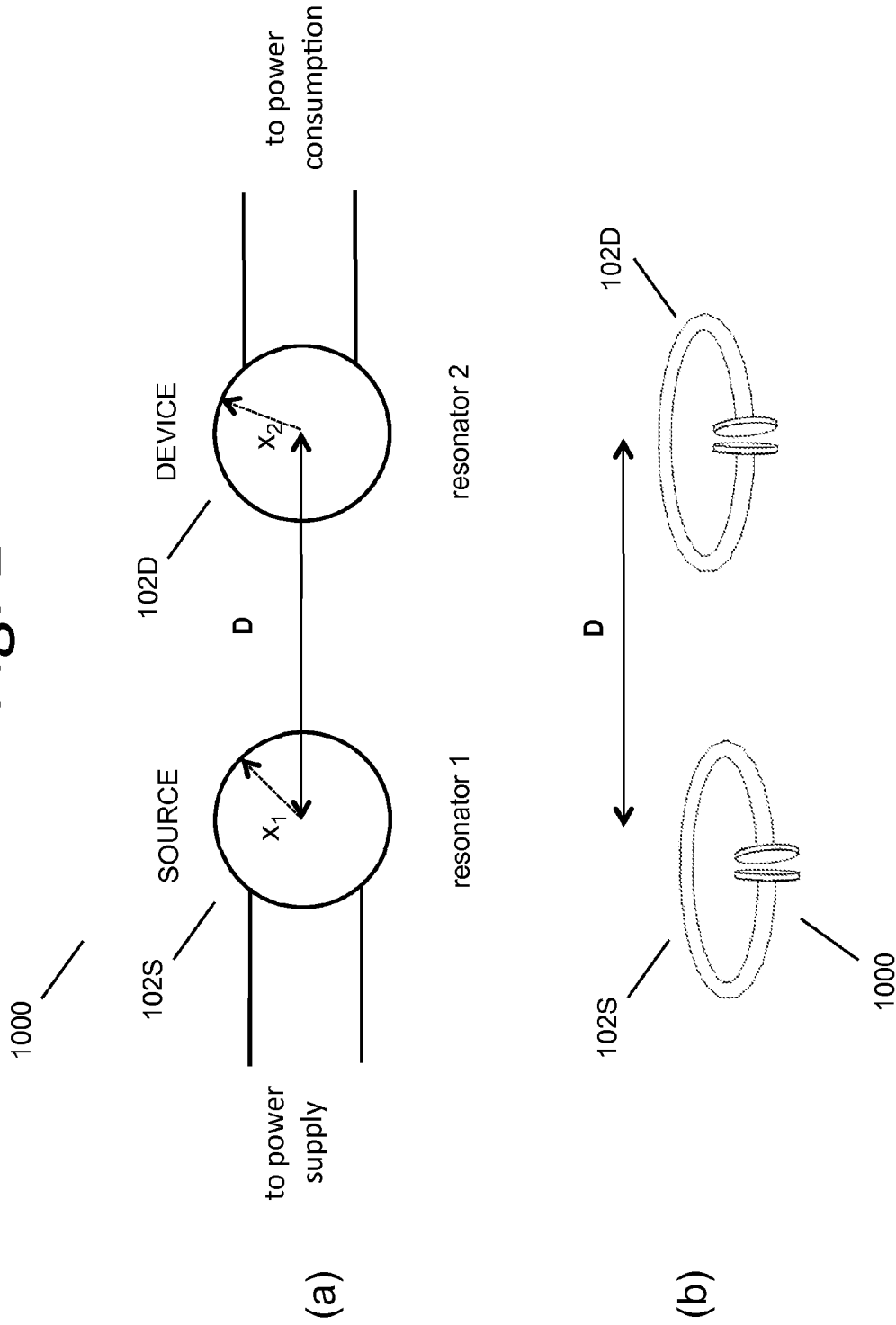


Fig. 2

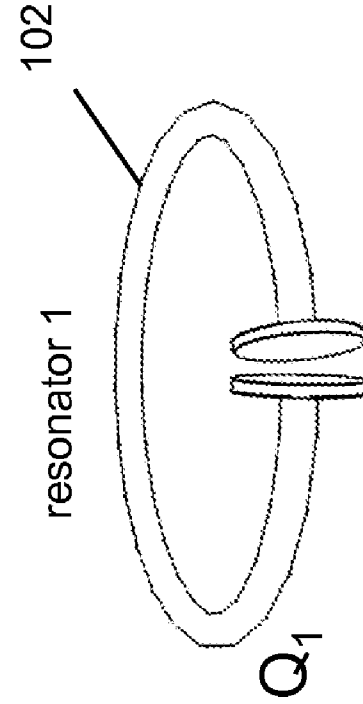


Fig. 3

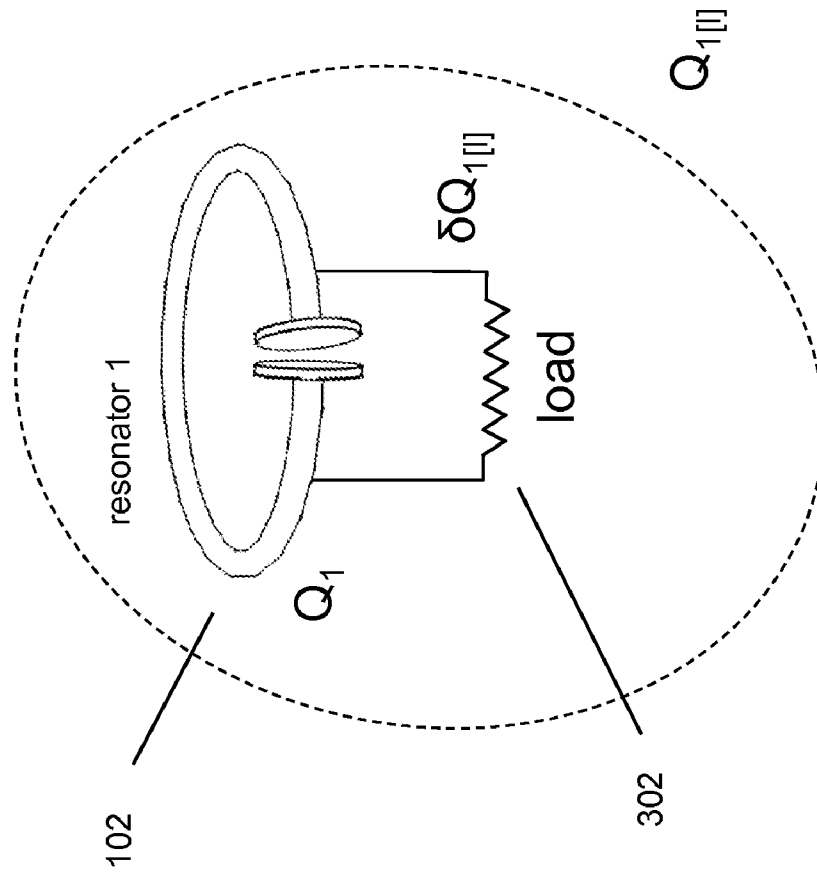
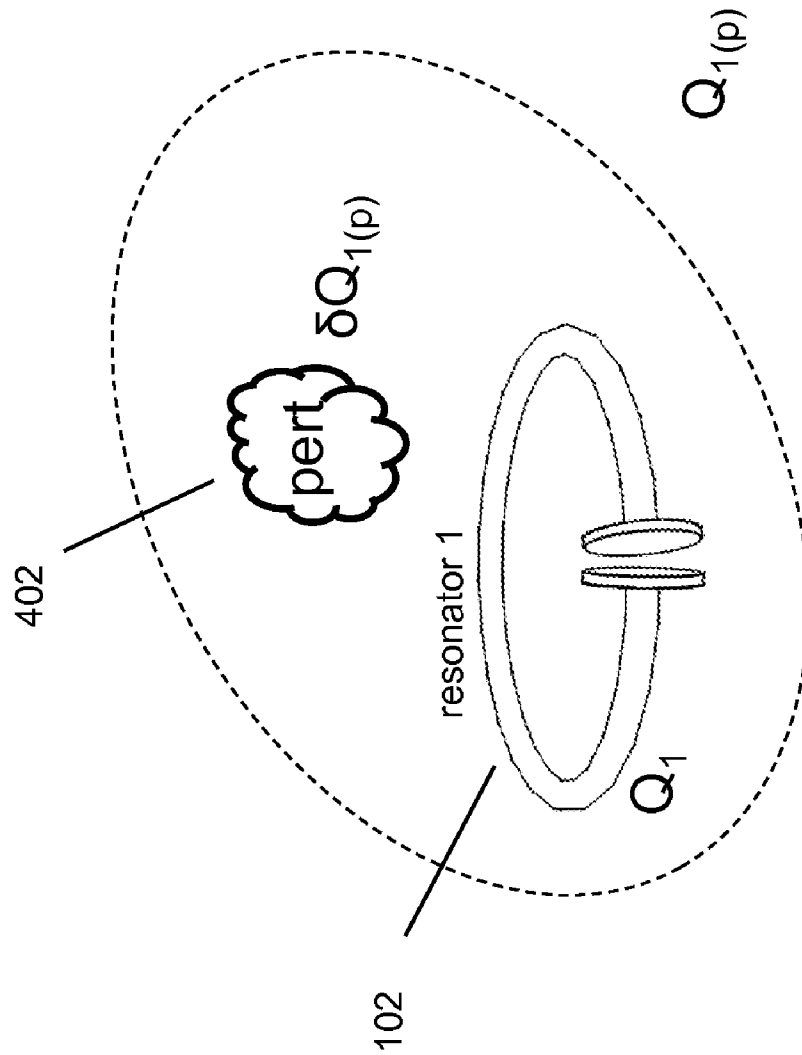


Fig. 4



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