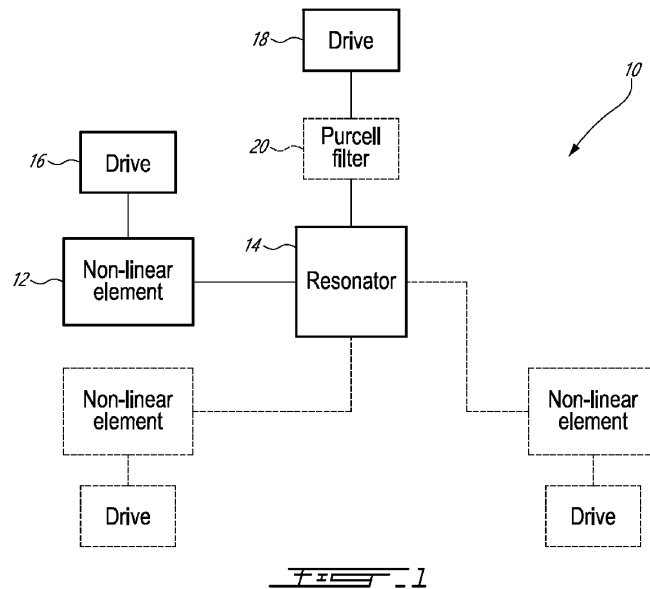




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(57) Abstract: The method can be applied to a quantum system having a non-linear element coupled to a resonator, the non-linear element having a quantum state changeable between a plurality of quantum states and the resonator having a resonance frequency. The method can include driving the resonator; the resonator resonating at a first frequency in response to said driving the resonator; and simultaneously to said driving the resonator, driving the non-linear element at the first frequency.

[Continued on next page]

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