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(19) **United States**(12) **Patent Application Publication****Kandori et al.**(10) **Pub. No.: US 2022/0407457 A1**(43) **Pub. Date: Dec. 22, 2022**(54) **OSCILLATOR AND IMAGING DEVICE****Publication Classification**(71) Applicant: **CANON KABUSHIKI KAISHA,**  
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(2013.01)(21) Appl. No.: **17/894,244**(22) Filed: **Aug. 24, 2022**(57) **ABSTRACT****Related U.S. Application Data**(63) Continuation of application No. 17/001,821, filed on  
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An oscillator is comprising a plurality of resonators and a voltage bias circuit that applies voltages to the plurality of resonators. Each of the plurality of resonators has a negative resistance element. In the oscillator, the plurality of resonators are connected in parallel to the voltage bias circuit respectively via separate inductors.

