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(54) **OVEN-CONTROLLED CRYSTAL OSCILLATOR**

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(57) **ABSTRACT**

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One or more embodiments of the disclosure may be an oven-controlled crystal oscillator that may include a core section hermetically encapsulated inside a thermal insulation package. The core section includes at least: an oscillation IC; a crystal resonator; and a heater IC. The core section is mounted on a core substrate that is mechanically connected to the package by a non-conductive adhesive. The core section and the package are electrically connected to each other by wire bonding. A space is provided between the core substrate and a bottom surface of the package.

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