

## ABSTRACT

### MICROELECTRONIC ASSEMBLY WITH BUILT-IN THERMOELECTRIC COOLER AND METHOD OF FABRICATING SAME

A method for fabricating a microelectronic assembly including a built-in TEC, a microelectronic assembly including a built-in TEC, and a system including the microelectronic assembly. The method includes providing a microelectronic device, and fabricating the TEC directly onto the microelectronic device such that there is no mounting material between the TEC and the microelectronic device.

Fig. 1