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(54) Title: USE OF ARRAYS OF QUARTZ PARTICLES DURING SINGLE CRYSTAL SILICON INGOT PRODUCTION

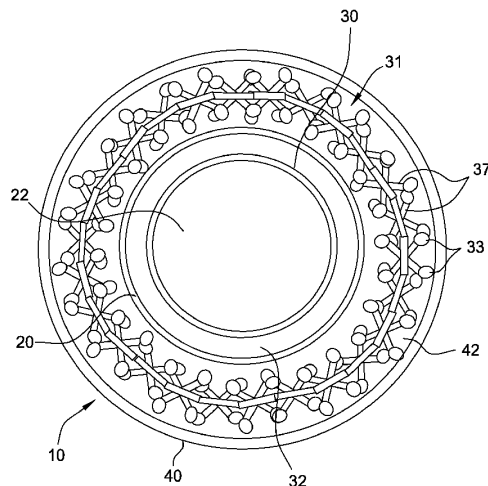


FIG. 5

(57) Abstract: Methods for producing single crystal silicon ingots in which an array of quartz particles are added to the crucible assembly before ingot growth are disclosed. The array may be disposed in the outer melt zone of the crucible assembly as in a continuous Czochralski (CCz) process. The array is made of quartz particles that are interconnected by linking members.

[Continued on next page]

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