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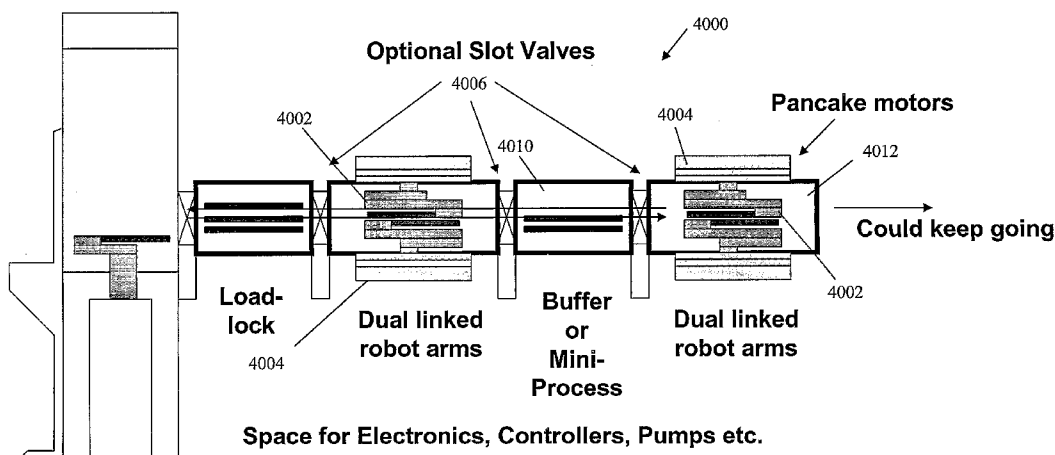
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(57) Abstract: Methods and systems are provided for handling materials in a vacuum-based semiconductor handling system, in-
cluding methods and systems for handling materials from arm to arm in order to traverse a linear handling system.

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