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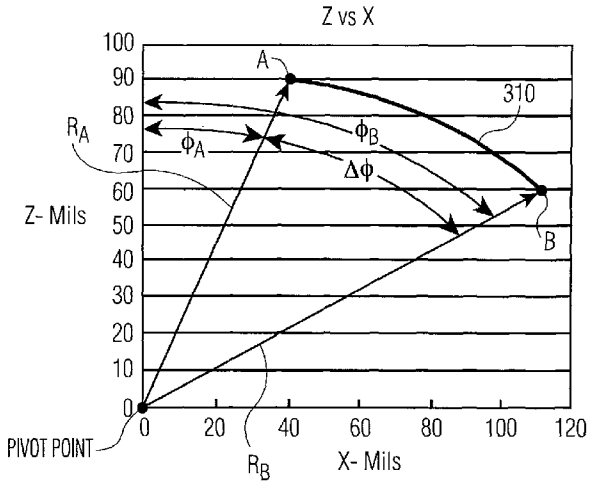
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(54) Title: METHOD OF CONTROLLING THE TRAJECTORY OF A BONDING TOOL DURING THE FORMATION OF A WIRE LOOP



(57) Abstract: A method of determining a trajectory of an arc motion of a wire used in the formation of a wire loop is provided. The arc motion is between a first point (A) and a second point (B) of the trajectory. The method includes: (1) defining a pivot point with respect to the first point and the second point; (2) determining a plurality of data points for generating the trajectory, each of the data points including a radius value and an angle value as a function of time, each of the angle values being between (a) a first angle defined by the pivot point and the first point (A), and (b) a second angle defined by the pivot point and the second point (B); and (3) converting the plurality of data points into trajectory data that may be used by a wire bonding machine.

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