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(54) Title: FLEXIBLE HIGH SPEED MANUFACTURING CELL (HSMC) SYSTEM

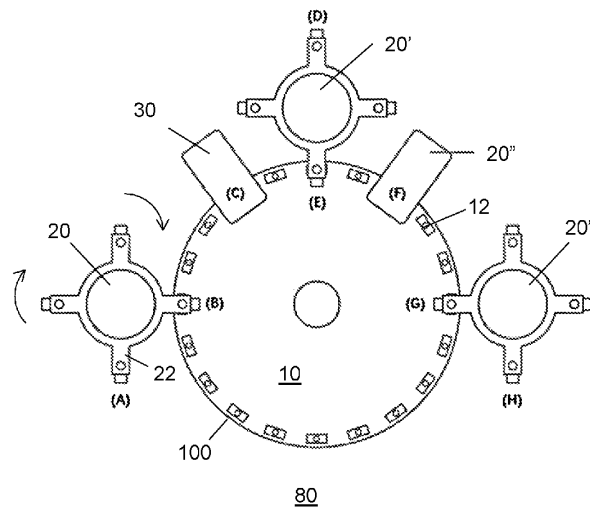


FIG. 4

(57) Abstract: A high speed manufacturing cell (HSMC) (80) system is disclosed. The system comprises a plurality of high speed manufacturing cells (80) linked together to allow parts on a production line to flow through each cell (80) and be processed. Each of the HSMCs performs a multitude of manufacturing processes via the use of direct drive linear and/or rotary motors. The invention includes a smart alignment methodology (SAM) together with an interfacing for HSMCs or the likes in reducing the overall time taken to set up manufacturing lines on site.

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