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(54) **CELL AND MEDICAMENT DISPENSING DEVICE FOR DRUG SCREENING AND METHOD THEREOF**

(57) A cell and medicament dispensing device for drug screening. The device has a base (10), a transfer plate serving mechanism (21), a transfer plate positioning mechanism (30), an injection mechanism (40), a cell culture plate positioning mechanism (60), and a dispensing mechanism (80). The transfer plate serving mechanism (21) moves a transfer plate (92) to the transfer plate positioning mechanism (30). The injection mechanism (40) injects cells and medicaments into recesses in the transfer plate (92). The dispensing mechanism (80) moves between the transfer plate (92) and the cell culture plate (94) to dispense the cells or medicaments from the transfer plate (92) to a cell culture plate (94) fixed in the cell culture plate positioning mechanism (60). As a result, drug screening is automated to reduce labor and improve quality.

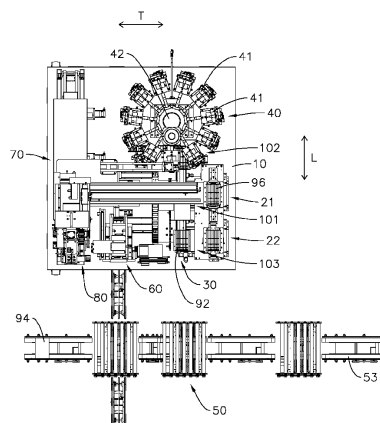


FIG. 2