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(54) Title: FLUIDIC TACTILE SENSOR

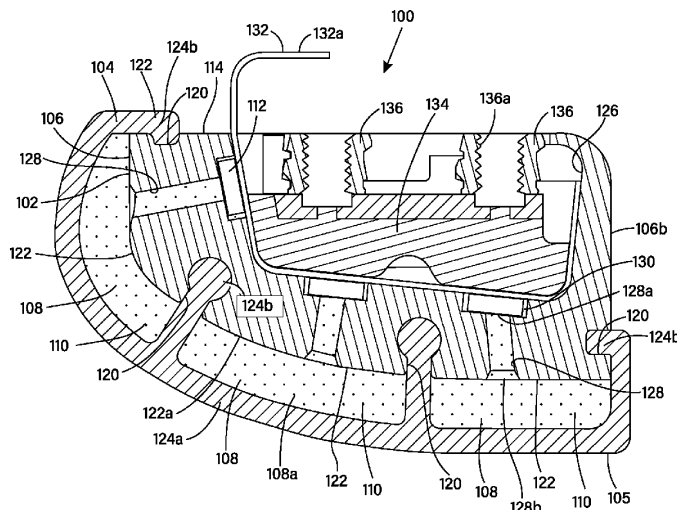


FIG. 3

(57) Abstract: A fluidic tactile sensor includes a core having an outer core portion, an inner core portion, and a first channel having a first opening at a first surface portion of the outer core portion. An elastic skin is disposed over the first surface portion. A cell is formed between the first surface portion and the elastic skin and fluidly is fluidly connected to the first channel. The cell contains a fluid. A contact force applied to the elastic skin produces a measurable change in fluid pressure inside the cell.

[Continued on next page]

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