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(54) Title: GASKET ASSEMBLIES AND RELATED SYSTEMS AND METHODS

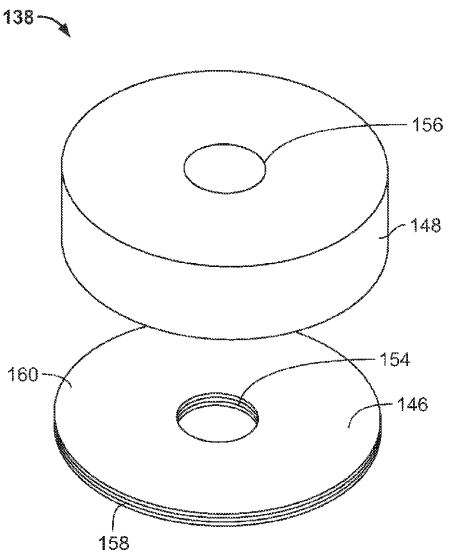


FIG. 6

(57) Abstract: Gasket assemblies and related system and methods. An apparatus includes a system, a flow cell, and a plurality of gasket assemblies. The system includes a flow cell interface and the flow cell has one or more channels. Each channel has a first channel opening and a second channel opening. The first channel openings are positioned at a first end of the flow cell and the second channel openings are positioned at a second end of the flow cell. A gasket assembly coupled at each second channel opening. Each gasket assembly includes an adhesive stack and a gasket. The adhesive stack includes a first side bonded to the gasket and a second side bonded to the flow cell. The flow cell interface is engagable with the corresponding gaskets to establish a fluidic coupling between system and the flow cell.

WO 2022/169609 A1

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