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(54) Title: ASEPTIC COUPLING SYSTEM WITH SEAL ISOLATING CONNECTORS

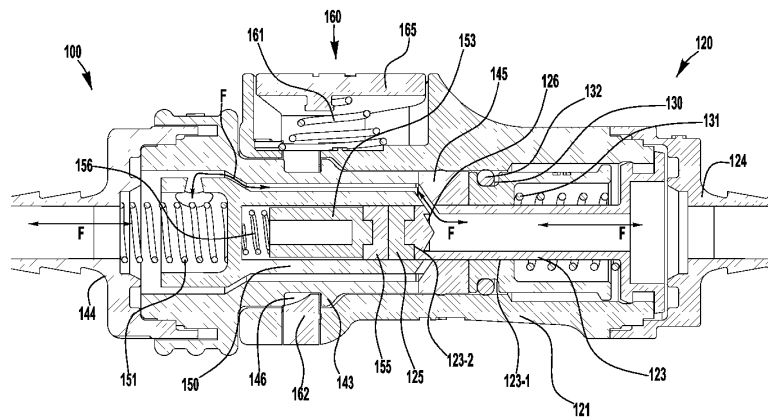


FIG. 7

(57) **Abstract:** An aseptic coupling system includes a first and second connectors having inboard mating portions, outboard terminal connections, first and second valve seals, and first and second valve elements. When the first and second connectors are joined in a coupled condition, the first and second valve elements are each moved from a shutoff position in sealing engagement with the first and second valve seals to a flow position separated from the first and second valve seals to permit flow therebetween, thereby defining a flow path between the outboard terminal connections. In the coupled condition, non-wetted surfaces of the first valve seal are sealed off from the flow path by sealing engagement with a flow passage defining annular wall of the second connector, and non-wetted surfaces of the second valve seal are sealed off from the flow path by sealing engagement with a flow passage defining annular wall of the first connector.

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WO 2023/059691 A1

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