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(54) Title: CONNECTOR SYSTEM

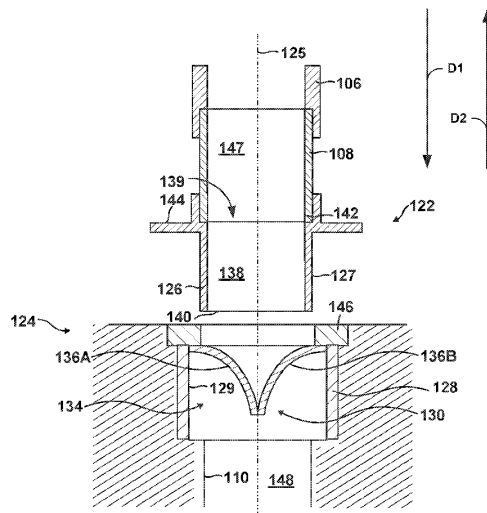


FIG. 2

(57) Abstract: A connector includes a plug and a socket. The plug defines a channel extending between a plug inlet defined by the plug and a plug outlet defined by the plug, where the plug inlet is configured to mechanically and fluidically engage a first conduit. The socket includes a socket body defining a socket well and a socket membrane. The socket is configured to mechanically and fluidically engage a second conduit, and the plug is configured to insert into the socket well to mechanically mate with the socket. The socket membrane is positioned within the socket well and is biased to a closed position in which the socket membrane blocks fluid flow through the socket well. When the plug is inserted into the socket well, the socket membrane is configured to open to enable fluid flow through the socket well.

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