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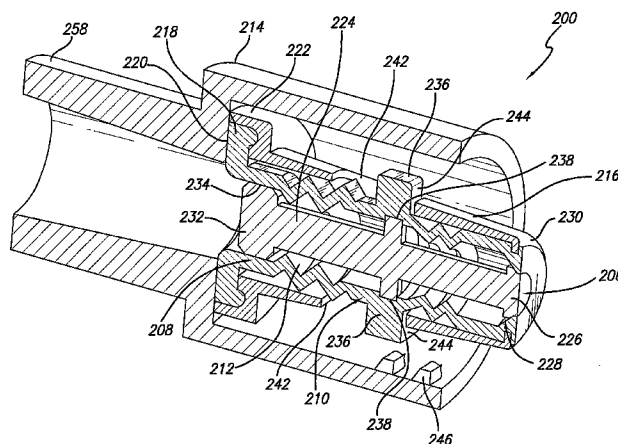
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(54) Title: VALVED MALE LUER CONNECTOR HAVING SEQUENTIAL VALVE TIMING



(57) Abstract: A male Luer connector (200) that attaches to a female Luer connector to open a medical fluid flow channel between said connectors. The male connector has two internal valves (206, 208) and a vacuum-generating structure (212, 210). The two valves and the vacuum-generating structure are configured to draw back into the male connector any fluid residing on the interface between the connectors during their disengagement and to then seal the distal tip of the male connector. Both valves are opened/closed by a movable actuator plug (224) by contact with the front surface of the female connector. A resilient member (210) biases the male valves to the closed position and includes a variable internal volume (212) that creates the vacuum upon disengagement of the connectors. The male valves are timed to a particular sequence with the closing of an internal female connector valve so that the vacuum generated by the male connector will have the most fluid drawback effect.

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