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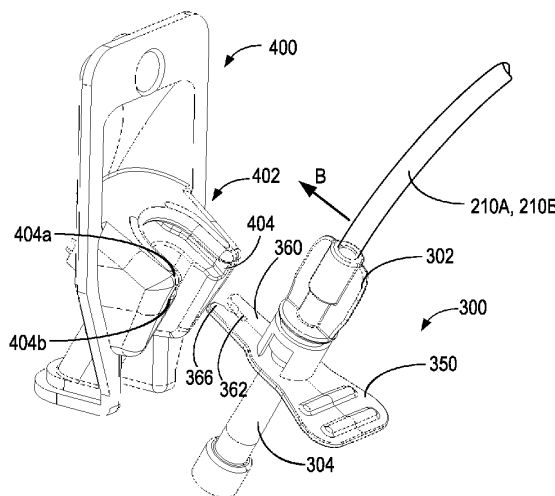


FIG. 4A

(57) Abstract: A prime tube for use with a fluid injector includes a patient tube connector and a connection interface for removably connecting a distal end of the patient tube connector to a proximal end of the prime cap. The connection interface includes a first connector at the proximal end of the prime cap, and a second connector at the distal end of the patient tube connector. The prime cap is removably engageable with a prime tube housing having a sensing arrangement for sensing the presence of the prime cap and for sensing whether the prime cap is filled with air or filled with a liquid for monitoring the progress of a priming operation.

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