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(71) Applicant: **KPR U.S., LLC** [US/US]; 777 West Street,
Mansfield, Massachusetts 02048 (US).

(72) Inventors: **BIERMANN, Wayne T.**; c/o KPR U.S., LLC,
777 West Street, Mansfield, Massachusetts 02048 (US).

HOLSTE, John H.; c/o KPR U.S., LLC, 777 West Street,
Mansfield, Massachusetts 02048 (US).

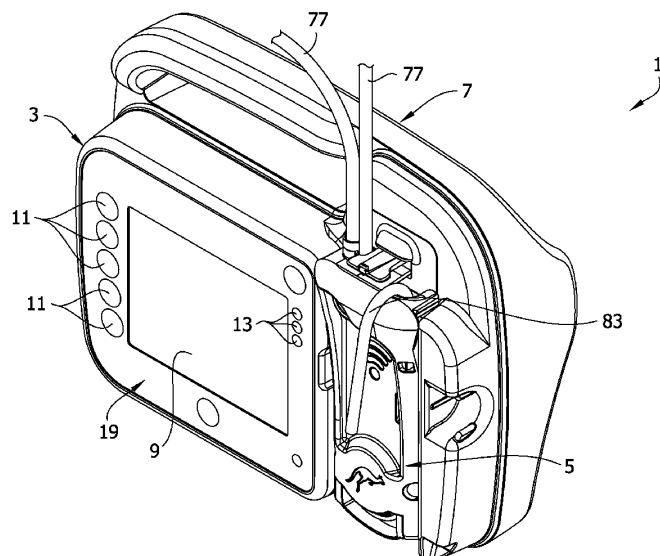
(74) Agent: **CHESSER, Wilburn L.** et al.; Arent Fox, LLP,
1717 K Street, N.W., Washington, District of Columbia
20006-5344 (US).

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FIG. 1



(57) Abstract: A flow control apparatus comprising a housing capable of receiving a portion of the feeding set, a pumping device configured to receive the feeding set and may produce a fluid flow in the feeding set and deliver fluid to a subject, an ultrasonic sensor may be configured to produce a sensor signal indicative of a condition of the feeding set, and a control circuit in communication with the ultrasonic sensor for receiving the sensor signal from the ultrasonic sensor indicative of the condition of the feeding set. The ultrasonic sensor may comprise a plurality of sensor components which may be configured to emit an ultrasonic signal in a first direction, and in a second direction opposite the first direction through the feeding set.

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