TOTAL IV ANESTHESIA DRIP CHAMBER ALARM

MEDICAL DEVICES
Drip chamber clamp that monitors the flow of anesthetic during total IV anesthesia and sounds an alarm if flow is interrupted.

TECHNOLOGY SUMMARY
There is currently no way to measure the drip rate of an IV to ensure an uninterrupted flow of IV-administered anesthetic. Yet, if anesthetic flow is interrupted during total IV anesthesia, then the patient may begin to wake before the anesthesiologist intends.

A University of Utah researcher has developed a scissor-like device which would clamp on to the drip chamber of an IV to alert anesthesiologists if flow is interrupted. A beam emitter and sensor system is used to measure the drip by monitoring when the beam is broken by the drops of fluid. A timer is used to set the maximum time interval between drips and an audible alarm is sounded if the drop sequence is outside the predetermined set duration.

FEATURES AND BENEFITS
- Provides immediate feedback if infusion is reduced.
- Reduces the chance of prolonged anesthetic flow interruption.

INVENTOR PROFILE
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DATE UPDATED: 7/11/2019