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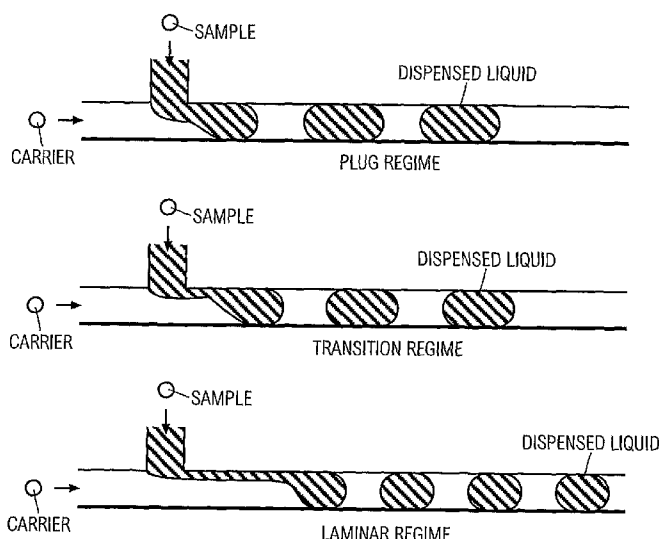
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(54) Title: MICROFLUIDIC SENSOR FOR INTERFACIAL TENSION MEASUREMENT AND METHOD FOR MEASURING INTERFACIAL TENSION



(57) Abstract: A microfluidic sensor is disclosed that has a first inlet channel for a first fluid, a second inlet channel for a second fluid, and a measurement channel intersecting with both first inlet channel and the second inlet channel. A signal source system is provided for receiving a signal from a signal emitter, as is a signal detection system for receiving the signal from the signal source system. The signal source system and the signal detection system are for recording physical characteristics of at least one of the droplets in the measurement channel. A corresponding method is also disclosed.

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