ABSTRACT

AUTONOMOUS DOWNHOLE CONVEYANCE SYSTEM

A tool assembly is provided that includes an actuatable tool such as a valve or a setting tool. And includes a location device that senses the location of the tool assembly within a tubular body based on a physical signature. The tool assembly also includes an on-board controller configured to send an activation signal to the actuatable tool when the location device has recognized a selected location of the tool based on the physical signature. The actuatable tool, the location device, and the on-board controller are together dimensioned and arranged to be deployed in the wellbore as an autonomous unit.

(No Suitable Figure)