

METHOD AND APPARATUS FOR TRANSPORTING A SUBSTRATE USING NON-NEWTONIAN FLUID

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ABSTRACT OF THE DISCLOSURE

A method for transporting a substrate is provided. In this method, a non-Newtonian fluid is provided and the substrate is suspended in the non-Newtonian fluid. The non-Newtonian fluid is capable of supporting the substrate. Thereafter, a supply force is applied on the non-Newtonian fluid to cause the non-Newtonian fluid to flow, whereby the flow is capable of moving the substrate along a direction of the flow. Apparatuses and systems for transporting the substrate using the non-Newtonian fluid also are described.

Fig. 2B