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(71) Applicant: **FLODESIGN SONICS, INC.** [US/US]; 380 Main Street, Wilbraham, MA 01095 (US).

(72) Inventors: **LIPKENS, Bart**; c/o FloDesign Sonics, Inc., 380 Main Street, Wilbraham, MA 01095 (US). **ROSS-JOHNSRUD, Benjamin**; c/o FloDesign Sonics, Inc., 380 Main Street, Wilbraham, MA 01095 (US). **CHITALE, Kedar, C.**; c/o FloDesign Sonics, Inc., 380 Main Street,

Wilbraham, MA 01095 (US). **KUMAR, Krishna, N.**; c/o FloDesign Sonics, Inc., 380 Main Street, Wilbraham, MA 01095 (US). **SALOIO, Jack**; c/o FloDesign Sonics, Inc., 380 Main Street, Wilbraham, MA 01095 (US).

(74) Agent: **KENNEDY, Brendan, J.**; FloDesign Sonics, Inc., 380 Main Street, Wilbraham, MA 01095 (US).

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(54) Title: ACOUSTIC EDGE EFFECT

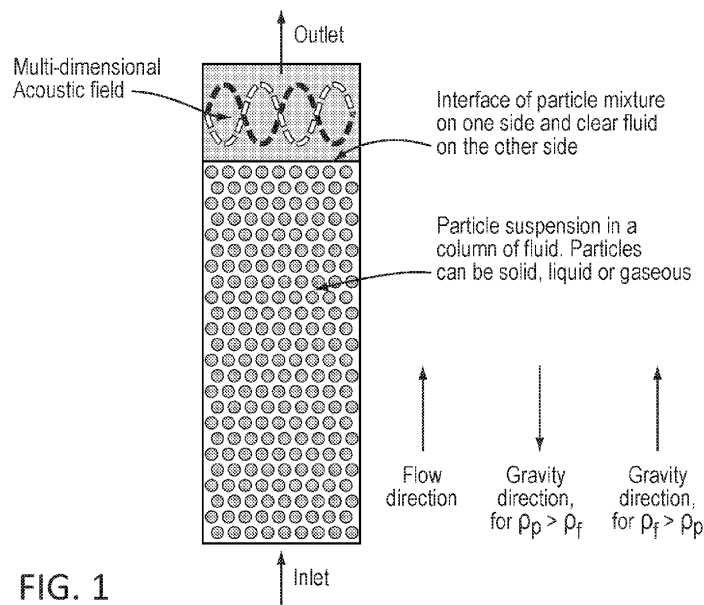


FIG. 1

(57) Abstract: An acoustic wave with an acoustic field with a large number of multi-directional gradients can provide an edge effect that be used to form an interface region relative to the acoustic wave. The interface region can block material with certain characteristics related to the nature of the interface region. Other material that is less influenced by the acoustic properties of the interface region can pass through the acoustic wave. This technique permits separation of materials using the edge effect and interface region.

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