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(54) Title: ACOUSTOPHORETIC MULTI-COMPONENT SEPARATION TECHNOLOGY PLATFORM

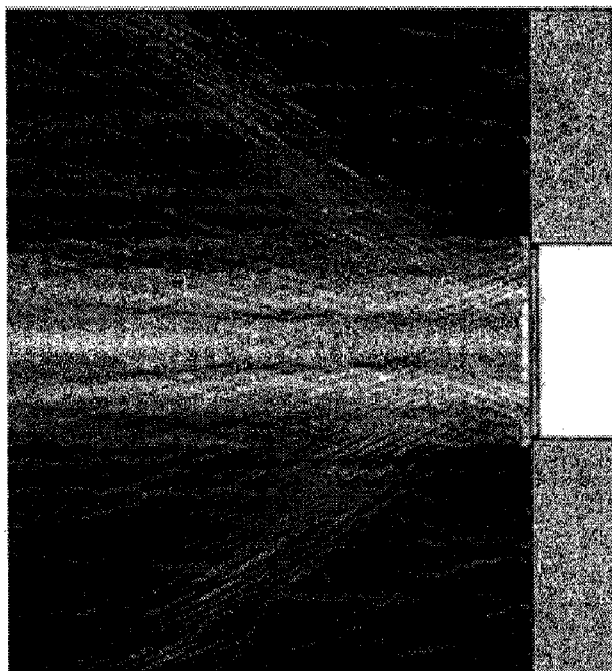


FIGURE 30

(57) Abstract: A system having improved trapping force for acoustophoresis is described where the trapping force is improved by manipulation of the frequency of the ultrasonic transducer. The transducer includes a ceramic crystal. The crystal may be directly exposed to fluid flow. The crystal may be air backed, resulting in a higher Q factor.



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