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(71) Applicant: **ABEC, INC.** [US/US]; 3998 Schelden Circle,
Bethlehem, PA 18017 (US).

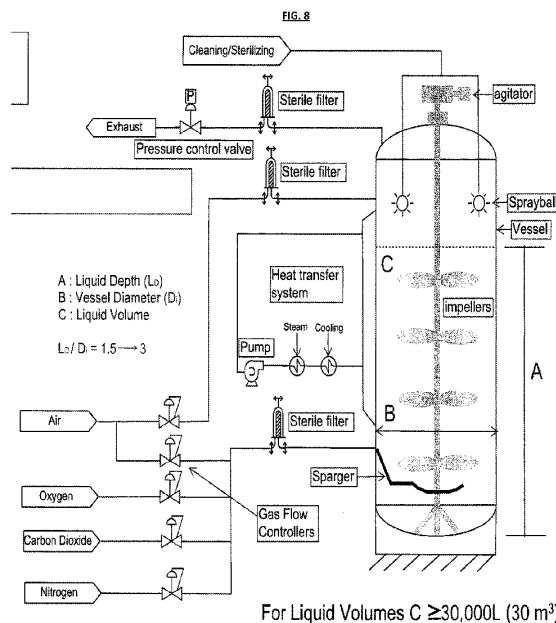
(72) Inventors: **BOYCE, Christopher**; Abec, Inc., 3998
Schelden Circle, Bethlehem, PA 18017 (US). **KUBERA,
Paul**; Abec, Inc., 3998 Schelden Circle, Bethlehem,
PA 18017 (US). **LEIGHT, Nicholas**; Abec, Inc., 3998
Schelden Circle, Bethlehem, PA 18017 (US). **MILLER,**

Daniel; Abec, Inc., 3998 Schelden Circle, Bethlehem, PA
18017 (US). **DYKE, Eric.**

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(54) Title: BIOREACTOR SYSTEMS



(57) Abstract: This disclosure relates to large-scale bioreactor systems comprising a vessel comprising internal reaction chamber having a volumetric and cell-sustaining capacity significantly above that of currently available bioreactor systems.

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