ABSTRACT

ELECTROLYTIC CELL AND METHOD OF USE THEREOF

In one embodiment of the present invention an electrolytic cell is provided comprising a containment vessel; a first electrode; a second electrode; a source of electrical current in electrical communication with the first electrode and the second electrode; an electrolyte in fluid communication with the first electrode and the second electrode; a gas, wherein the gas is formed during electrolysis at or near the first electrode; and a separator; wherein the separator includes an inclined surface to direct flow of the electrolyte and the gas due to a difference between density of the electrolyte and the combined density of the electrolyte and the gas such that the gas substantially flows in a direction distal to the second electrode.

Figure 1