ABSTRACT

The present invention relates to the field of converting gaseous carbon dioxide to gas-phase products at elevated pressures with high conversion rates via electrolysis performed by a novel multi-~~stack~~cell CO_2 electrolyzer ~~cell~~stack (100") that has a novel gas and fluid flow architecture formed in bipolar plate assemblies used to construct individual ~~stack~~cells (40) of the ~~cell~~stack (100").

Figure 4