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 <i>C11B 1/10</i> (2006.01) <i>C07K 1/14</i> (2006.01)</p> | <p>(72) Inventor; and
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[Continued on next page]

- (54) Title:** EXTRACTION OF PROTEINS FROM ALGAE

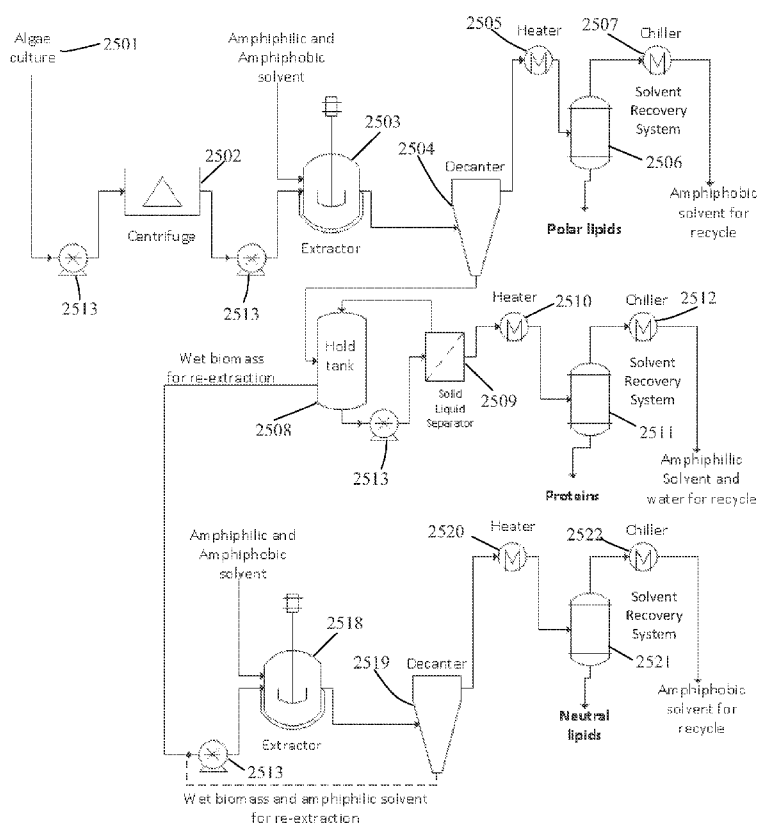


FIG. 25

- (57) Abstract:** A method for separating proteins from plant material, in particular, intact algal cells, using an amphipathic solvent set and a hydrophobic solvent set. Some embodiments include dewatering intact algal cells and then extracting proteins from the algal cells. The methods provide for single and multistep extraction processes which allow for efficient separation of algal proteins from a wet algal biomass. These proteins are high value products which can be used as renewable sources of food and food additives. Neutral lipids remaining in the algal biomass after extraction of proteins can be used to generate renewable fuels.



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