

Title (en)

METHOD AND SYSTEM OF ALGAL CELLS DISRUPTION AND ISOLATION OF BIOPRODUCTS THEREFROM

Title (de)

VERFAHREN UND SYSTEM ZUR AUFLÖSUNG VON ALGENZELLEN UND ZUR ISOLIERUNG VON BIOPRODUKTEN DARAUS

Title (fr)

PROCÉDÉ ET SYSTÈME DE DÉSINTÉGRATION DE CELLULES ALGALES ET ISOLEMENT DE BIOPRODUITS À PARTIR DE CELLES-CI

Publication

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Application

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Abstract (en)

[origin: WO2014027871A1] The present invention is related to the systems and methods of disruption of biomass of renewable resources - algal cells - by applying the rotating induced magnetic field, and isolation of bioproducts accumulated in the algal cells, such as lipids, proteins, pigments, vitamins, from the disrupted biomass. The bioproducts isolated may be used in different fields of modern biotechnology industry, in particular in the production of biofuel (bioethanol, biogas, biodiesel), biodegradable plastics, detergents, biofeed and/or supplements, and food supplements, medicine and pharmaceutical industry.

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