

Title (en)

METHOD FOR FRACTIONATING COMPONENTS OF A BIOMASS OF PROTEIN-RICH MICROALGAE

Title (de)

VERFAHREN ZUR FRAKTIONIERUNG VON KOMPONENTEN EINER BIOMASSE AUS PROTEINREICHEN MIKROALGEN

Title (fr)

PROCEDE DE FRACTIONNEMENT DES COMPOSANTS D'UNE BIOMASSE DE MICROALGUES RICHES EN PROTEINES

Publication

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Application

EP 16705227 A 20160125

Priority

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Abstract (en)

[origin: WO2016120548A1] The invention relates to a method for fractionating components of a biomass of protein-rich microalgae of the *Chlorella* genus, characterised in that it comprises the following steps: providing a biomass of microalgae produced by fermentation; optionally, washing the biomass to remove the interstitial soluble compounds; thermally permeabilising the biomass at a temperature of 0°C to 150°C, preferably 100°C to 150°C, for a time of several seconds to 5 minutes, preferably for a time of 5 seconds to 1 minute; separating the biomass thus permeabilised from the soluble fraction using a centrifugation technique, specifically multi-stage centrifugation; optionally, recovering and clarifying the soluble fraction thus obtained by microfiltration so as to remove residual insolubles from same; separating the aforementioned soluble fraction by precipitation, in order to obtain a peptidic isolate and a peptidic concentrate.

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