

Title (en)

METHOD FOR PRODUCING OIL FROM A MICROALGAE PRODUCT

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ÖL AUS EINEM MIKROALGENERZEUGNIS

Title (fr)

PROCÉDÉ DE PRODUCTION D'HUILE À PARTIR D'UN PRODUIT DE MICRO-ALGUES

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Application

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Abstract (en)

[origin: WO2022043453A1] The invention relates to a method for producing oil, more particularly edible oil, having a high content of unsaturated fatty acids, from a product of microalgae. According to the invention, the microalgae product is treated, an intermediate product thus being formed, and the intermediate product is subjected to a material separation process for removing impurities, in which material separation process the triglyceride is used as a carrier for the impurities. A microalgae oil and/or a lipid extract is advantageously used as the microalgae product. The microalgae product is preferably obtained from microalgae, more particularly photoautotrophic and/or mixotrophic microalgae. In one embodiment of the invention, the microalgae product is treated by means of transesterification in order to form the intermediate product, wherein the microalgae product is preferably transformed into an ethyl ester. In one embodiment of the invention, an organic phase is separated from an inorganic phase of the intermediate product and the organic phase of the intermediate product is subjected to a material separation process for removing impurities, in which material separation process the triglyceride is used.

IPC 8 full level

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