

Title (en)

METHOD FOR HARVESTING MICROALGAE, AND DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUR GEWINNUNG VON MIKROALGEN UND VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCÉDÉ POUR LA RÉCOLTE DE MICROALGUES ET DISPOSITIF POUR LA MISE EN OEUVRE DE CE PROCÉDÉ

Publication

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Application

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Abstract (en)

[origin: WO2012150390A1] The invention relates to a method, according to which: a culture medium passes through a set of consecutive so-called concentrator tanks (2); each concentrator (2) has a passive filtration unit (10) separating the inner space of the concentrator into a top space (14) and a bottom space (12); the top space (14) comprises an inlet (16), and an outlet (18) arranged at a position below the inlet (16) for extracting a more concentrated culture medium from the top space (14); the bottom space (12) comprises an outlet (32) for extracting a liquid from the bottom space (12); the inlet (16) of a downstream concentrator is connected to the outlet (18) of the top space (14) of the upstream concentrator; and a concentrated culture medium is harvested at the outlet (18) of the top space (14) of a concentrator (2). Preferably, in order to enable operation using only gravity, the inlet (16) of the top space (14) of an upstream concentrator is located higher than the inlet (16) of the top space (14) of the downstream concentrator.

IPC 8 full level

C12M 1/12 (2006.01)

CPC (source: CN EP US)

C12M 23/58 (2013.01 - EP US); **C12M 47/02** (2013.01 - CN EP US); **C12N 1/12** (2013.01 - US)

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