(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
03 February 2022 (03.02.2022)

WIPO | PCT

(10) International Publication Number
WO 2022/022973 A1

(51) International Patent Classification:
C12M 1/16 (2006.01) *C12M 3/00* (2006.01)
A01K 67/033 (2006.01) *C12M 1/00* (2006.01)
C12M 1/12 (2006.01) *C12M 1/26* (2006.01)

(21) International Application Number:
PCT/EP2021/068973

(22) International Filing Date:
08 July 2021 (08.07.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20187902.0 27 July 2020 (27.07.2020) EP

(71) Applicant: **NBTECH AB** [SE/SE]; Vasavägen 89, 177 32 Järfälla (SE).

(72) Inventor: **BEREZINA, Nathalie**; Vasavägen 89, 177 32 Järfälla (SE).

(74) Agent: **AWA SWEDEN AB**; Box 45086, 104 30 Stockholm (SE).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report (Art. 21(3))*

(54) **Title:** APPARATUS FOR GROWING BIOMASS

(57) **Abstract:** An apparatus (100, 700, 8001, 802, 803) for growing biomass, wherein the apparatus comprises: at least one plate (110, 210, 310, 410, 710) comprising at least two plate sections (120, 220, 320, 331, 332, 333, 420, 421, 422) configured to be movable between an opened position and a closed position. In the closed position the at least two plate sections jointly form a first surface for receiving and holding a growth medium for growing biomass and in the opened position the at least two plate sections are pivoted away from the closed position such that the growth medium is slidably released from the at least one plate. The at least one plate is movably supported on at least one first railing (150, 750), wherein the apparatus further comprises a first drive mechanism (715) for independently moving each of the at least one plate along the at least one first railing; and the at least two plate sections are pivotable about a first axis (251) and a second axis (252) respectively.

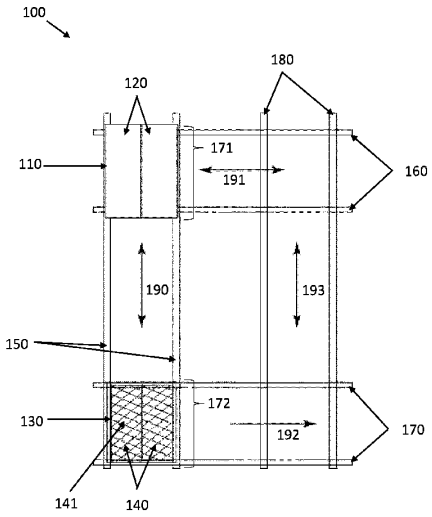


Fig. 1

WO 2022/022973 A1