

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
24 November 2022 (24.11.2022)



(10) International Publication Number
WO 2022/242858 A1

(51) International Patent Classification:
H02S 20/00 (2014.01)

(21) International Application Number:
PCT/EP2021/063394

(22) International Filing Date:
19 May 2021 (19.05.2021)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **HELIOSLITE** [FR/FR]; Savoie Technolac,
17, avenue du Lac Léman Bâtiment Lama, 73370 LE
BOURGET DU LAC (FR).

(72) Inventor; and

(71) Applicant: **MENARD, Etienne** [FR/FR]; 283, rue Bou-
vard Dessus, 73420 Voglans (FR).

(74) Agent: **CABINET BENECH**; 15 rue d'Astorg, 75008
PARIS (FR).

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.

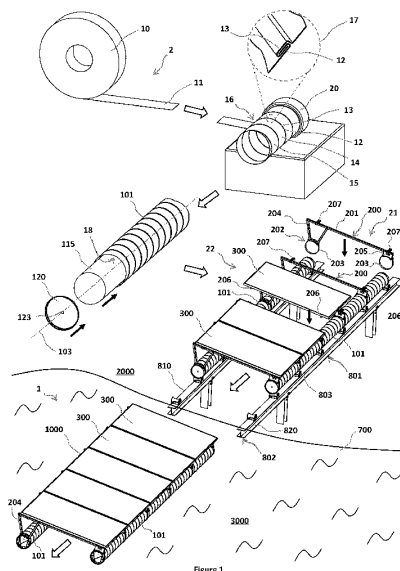
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, 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))

(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,

(54) Title: METHOD FOR ASSEMBLING A FLOATING SOLAR SYSTEM, AND CORRESPONDING SYSTEM



(57) Abstract: This invention mainly proposes a distributed method for fab-
ricating, assembling and launching onto water a floating photovoltaic solar
system on a water site, and the corresponding system, said system comprising
photovoltaic panels and at least one array of float assemblies, each array of
float assemblies comprising at least one float assembly, each float assembly
comprising at least one group of at least two floating tube elements for sup-
porting said photovoltaic panels at an inclined angle. The floating tube ele-
ments are formed from ribbons or sheets obtained from coils of thin material
using a spiral tube forming machine in case of ribbons or a roll-forming ma-
chine in case of sheets and mechanically joined together by an array of light-
weight frame assemblies.

WO 2022/242858 A1