

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
16 March 2023 (16.03.2023)



(10) International Publication Number
WO 2023/038578 A1

(51) International Patent Classification:

A61J 1/10 (2006.01) *B29C 65/10* (2006.01)
B29C 37/00 (2006.01) *B29L 23/00* (2006.01)
B29C 65/00 (2006.01) *B29B 51/10* (2006.01)
B29C 65/02 (2006.01) *B65B 51/32* (2006.01)

(21) International Application Number:

PCT/SG2022/050643

(22) International Filing Date:

08 September 2022 (08.09.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10202109889T 09 September 2021 (09.09.2021) SG

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(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, 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,

(54) Title: COMPACT TUBE SEALER

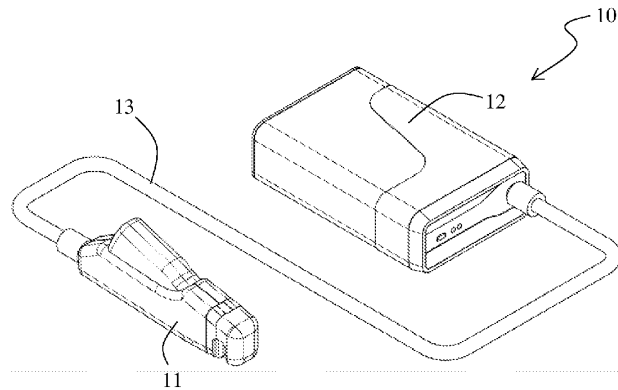


FIG. 1A

(57) Abstract: A compact tube sealer for sealing a polymeric tube, the tube sealer comprising: clamping jaws comprising a fixed jaw and a movable jaw movable between a rest position where the tube may be placed or removed from between the clamping jaws and an activated position where the tube is diametrically compressed between the clamping jaws; an energy generator provided to raise a temperature of the tube to its melting point when the movable jaw is in the activated position, the energy generator comprising one of: a radio frequency (RF) generator to provide RF through the tube via the clamping jaws, and heating elements to heat the clamping jaws and consequently the tube; a lever to actuate movement of the movable jaw from the rest position to the activated position when the lever is depressed; and a resilient member biased against movement of the movable jaw towards the fixed jaw so as to return the movable jaw from the activated position to the rest position when the lever is released.

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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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *of inventorship (Rule 4.17(iv))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*