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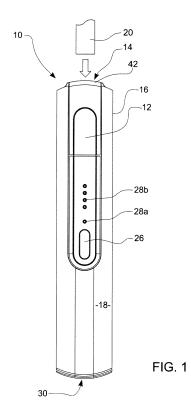
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- (71) Applicant: NERUDIA LIMITED
 Liverpool Merseyside L24 9HP (GB)
- (72) Inventors:
 - FERRIE, Kate Liverpool, L24 9HP (GB)

- SHENTON, Edward Ross Liverpool, L24 9HP (GB)
- SUDLOW, Tom Stephen Liverpool, L24 9HP (GB)
- MARCHBANK, Jonathan Stephen Liverpool, L24 9HP (GB)
- LOMAS, Peter Liverpool, L24 9HP (GB)
- (74) Representative: Mewburn Ellis LLP
 Aurora Building
 Counterslip
 Bristol BS1 6BX (GB)

(54) SMOKING SUBSTITUTE DEVICE

(57)The present disclosure relates to the field of smoking tobacco. In particular, the present disclosure relates to smoking substitute systems and particularly, although not exclusively, to a heat-not-burn (HNB) smoking substitute system. Further in particular, the present disclosure relates to smoking substitute systems having at least two independent display elements. A smoking substitute device (10), comprising a main body (16), wherein the main body (16) comprises a first display element (28a) for displaying first information (52a) and a second display element (28b) for displaying second information (52b), wherein the first display element (28a) is arranged separate from and independent of the second display element (28b), wherein the first information (52a) is different from the second information (52b), wherein one of the first and second information (52a,b) is adapted for displaying a power status of the smoking substitute device (10), and wherein the smoking substitute device (10) is a heat-not-burn device (10).





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Application Number

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| 40 | |
| 45 | |

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| | DOCUMENTS CONSIDE | | | | |
|---|---|---------------------------|---|--|--|
| Category | Citation of document with income of relevant passa | | | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| A. | US 2018/177231 A1 (V [US] ET AL) 28 June * paragraph [0016] - figures 1-7 * | 2018 (2018-06- | -28) | -15 | INV. A24F40/60 |
| A | KR 2016 0058565 A (1 25 May 2016 (2016-09 * paragraph [0015] - figures 1-5 * | 5–25) | | -15 | |
| A | US 2015/272220 A1 (S ET AL) 1 October 203 * paragraph [0018] - figures 1-6 * | L5 (2015-10-01) | | -15 | |
| A | US 2014/278258 A1 (\$ 18 September 2014 (\$ * paragraph [0013] - figures 1-3 * | 2014-09-18) | | -15 | |
| A | US 2012/048266 A1 (2 1 March 2012 (2012-0 | | 1) | -15 | TECHNICAL FIELDS SEARCHED (IPC) |
| | figures 1-9 * | | | | A61M |
| | The present search report has b | een drawn up for all clai | ms | | |
| | Place of search | Date of completio | | | Examiner |
| | Munich | 11 July | 2023 | Kli | intebäck, Daniel |
| X : part Y : part docu A : tech O : non | ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anoth intent of the same category nological background-written disclosure mediate document | E: er D: L:(| theory or principle un earlier patent docum after the filing date document cited in the document cited for on member of the same document | ent, but puble application her reasons | ished on, or |

EPO FORM 1503 03.82 (P04C01)

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EP 4 223 166 A3

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 23 16 5405

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-07-2023

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|--|--------|------------------|-----|-------------------------|-----------|------------------|
| US 2018177231 | A1 | 28-06-2018 | AU | 2017387079 | A1 | 04-07-20 |
| | | | CA | 3046851 | A1 | 05-07-20 |
| | | | CN | 110352015 | A | 18-10-20 |
| | | | EP | 3562340 | A1 | 06-11-20 |
| | | | IL | 267409 | A | 29-08-20 |
| | | | JP | 6883108 | B2 | 09-06-20 |
| | | | JP | 2020503054 | A | 30-01-20 |
| | | | KR | 20190102030 | A | 02-09-20 |
| | | | US | 2018177231 | A1 | 28-06-20 |
| | | | US | 2020046032 | A1 | 13-02-20 |
| | | | US | 2021015156 | A1 | 21-01-20 |
| | | | US | 2021297489 | A1 | 23-09-20 |
| | | | WO | 2018125889 | A1 | 05-07-20 |
| KR 20160058565 | A | 25-05-2016 | NON | E | | |
| US 2015272220 | A1 | 01-10-2015 | NON | E | | |
| US 2014278258 | A1 | 18-09-2014 | AR | 095633 | A1 | 28-10-20 |
| | | | CA | 2906458 | A1 | 25-09-20 |
| | | | CN | 105377064 | A | 02-03-20 |
| | | | EP | 2967153 | A2 | 20-01-20 |
| | | | ES | 2681603 | | 14-09-20 |
| | | | KR | 20160040443 | | 14-04-20 |
| | | | MA | 38414 | | 29-02-20 |
| | | | MY | 184440 | | 01-04-20 |
| | | | PL | 2967153 | | 28-09-20 |
| | | | RU | 2015144189 | | 25-04-20 |
| | | | UA | 117129 | | 25-06-20 |
| | | | US | 2014278258 | | 18-09-20 |
| | | | US | 2021307404 | | 07-10-20 |
| | | | WO | 2014150898 | | 25-09-20 |
| US 2012048266 | A1 | 01-03-2012 | DK | 2982255 | тз | 26-08-20 |
| | | | DK | 3508081 | | 11-10-20 |
| | | | DK | 3508082 | | 10-08-20 |
| | | | DK | 3508083 | т3 | 11-10-20 |
| | | | EP | 2608686 | A2 | 03-07-20 |
| | | | EP | 2982255 | A1 | 10-02-20 |
| | | | EP | 3508081 | | 10-07-20 |
| | | | EP | 3508082 | A1 | 10-07-20 |
| | | | EP | 3508083 | | 10-07-20 |
| | | | EP | 3508084 | | 10-07-20 |
| | | | EP | 3508085 | | 10-07-20 |
| | | | ES | 2543045 | | 14-08-20 |
| | | | ES | 2737686 | | 15-01-20 |

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 23 16 5405

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-07-2023

| 10 | Patent document cited in search report | Publication date | | Patent family member(s) | | Publication date |
|--------------|---|------------------------------|------------------|-------------------------|----|------------------|
| | | | ES | 2808149 | шЗ | 25-02-2021 |
| | | | ES | 2887077 | | 21-12-2021 |
| | | | ES | 2895631 | | 22-02-2022 |
| | | | ES | 2922200 | | 09-09-2022 |
| 15 | | | HR | P20191384 | | 15-11-2019 |
| | | | HR | P20201210 | | 11-12-2020 |
| | | | HR | P20211487 | | 24-12-2021 |
| | | | HR | P20211529 | | 24-12-2021 |
| | | | HŲ | E045557 | | 28-01-2020 |
| 20 | | | HŲ | E051467 | | 01-03-2021 |
| | | | HŲ | E055814 | | 28-12-2021 |
| | | | HŲ | E055910 | | 28-12-2021 |
| | | | LT | 2982255 | | 12-08-2019 |
| | | | LT | 3508081 | | 25-11-2021 |
| | | | LT | 3508082 | | 27-07-2020 |
| 25 | | | LT | 3508083 | | 27-09-2021 |
| | | | PL | 2608686 | | 29-01-2016 |
| | | | $_{\mathtt{PL}}$ | 2982255 | | 29-11-2019 |
| | | | $_{\mathtt{PL}}$ | 3508081 | | 27-12-2021 |
| | | | $_{\mathtt{PL}}$ | 3508082 | | 16-11-2020 |
| 30 | | | $_{	t PL}$ | 3508083 | | 03-01-2022 |
| 30 | | | $_{\mathtt{PL}}$ | 3508085 | | 25-07-2022 |
| | | | PT | 2982255 | | 04-09-2019 |
| | | | PT | 3508081 | T | 14-10-2021 |
| | | | PT | 3508082 | T | 14-07-2020 |
| | | | PT | 3508083 | T | 20-10-2021 |
| 35 | | | RS | 62320 | В1 | 30-09-2021 |
| | | | RS | 62384 | В1 | 29-10-2021 |
| | | | SI | 2982255 | T1 | 30-09-2019 |
| | | | SI | 3508081 | T1 | 30-11-2021 |
| | | | SI | 3508082 | T1 | 30-10-2020 |
| 40 | | | SI | 3508083 | T1 | 30-11-2021 |
| 40 | | | US | 2012048266 | A1 | 01-03-2012 |
| | | | US | 2012227752 | A1 | 13-09-2012 |
| | | | US | 2014224245 | A1 | 14-08-2014 |
| | | | US | 2019191773 | A1 | 27-06-2019 |
| | | | US | 2019191774 | A1 | 27-06-2019 |
| 45 | | | US | 2019191775 | A1 | 27-06-2019 |
| | | | US | 2019191776 | A1 | 27-06-2019 |
| | | | US | 2019191777 | | 27-06-2019 |
| | | | US | 2019191779 | | 27-06-2019 |
| | | | US | 2022088321 | | 24-03-2022 |
| | | | WO | 2012027350 | A2 | 01-03-2012 |
| 90 ORM P0459 | For more details about this annex : see C | | | | | |
| 8 | Ear mare details about this servery and | Official Journal of the Con- | | atout Office No. 40" | 20 | |
| <u> </u> | For more details about this annex : see C | סוווכומו Journal of the Eurc | pean Pa | atent Office, No. 12/8 | 32 | |

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