



(11) **EP 4 356 762 A3**

(12) **EUROPEAN PATENT APPLICATION**

- (88) Date of publication A3: **08.05.2024 Bulletin 2024/19**
- (43) Date of publication A2: **24.04.2024 Bulletin 2024/17**
- (21) Application number: **24151573.3**
- (22) Date of filing: **29.06.2020**
- (51) International Patent Classification (IPC):
A24C 5/56 (2006.01) A24D 1/02 (2006.01)
A24D 1/20 (2020.01)
- (52) Cooperative Patent Classification (CPC):
A24D 1/20; A24C 5/565; A24D 1/02

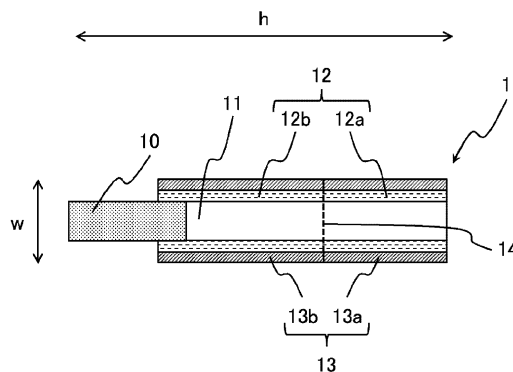
- | | |
|--|---|
| <p>(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR</p> <p>(30) Priority: 01.07.2019 JP 2019123154</p> <p>(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
20834665.0 / 3 995 004</p> | <p>(71) Applicant: Japan Tobacco, Inc.
Tokyo, 105-6927 (JP)</p> <p>(72) Inventor: NANASAKI, Yusuke
Tokyo, 130-8603 (JP)</p> <p>(74) Representative: Hoffmann Eitle
Patent- und Rechtsanwälte PartmbB
Arabellastraße 30
81925 München (DE)</p> |
|--|---|

(54) **HEAT-NOT-BURN TOBACCO PRODUCT**

(57) The present invention addresses the problem of providing: a heat-not-burn tobacco product wherein the amount of a substance which is generated from a component of a lip release agent during use of the heat-not-burn tobacco product and has an undesired influence on aroma and the like is reduced; and an electrically heated tobacco product. This heat-not-burn tobacco product is provided with a tobacco rod part and a mouthpiece part, and has a wrapped part in which these members are wrapped with tipping paper. A lip release

agent is applied to at least a portion of the tipping paper. In the longitudinal direction of the heat-not-burn tobacco product, the wrapped section is constituted by a first region including a mouthpiece-side end of the heat-not-burn tobacco product and a second region including a tobacco rod-side end. The first region and the second region satisfy the following condition(A). (A): (Content of lip release agent per unit area of first region) > (content of lip release agent per unit area of second region)

FIG. 1



EP 4 356 762 A3



EUROPEAN SEARCH REPORT

Application Number

EP 24 15 1573

5

10

15

20

25

30

35

40

45

50

55

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 5 595 196 A (SALONEN HANNU [FI] ET AL) 21 January 1997 (1997-01-21) * abstract; figures * -----	1-8	INV. A24C5/56 A24D1/02
A	US 2008/029111 A1 (DUBE MICHAEL FRANCIS [US] ET AL) 7 February 2008 (2008-02-07) * paragraphs [0002], [0046]; figures * -----	1-8	ADD. A24D1/20
A	WO 2012/061249 A2 (GREENBUTTS LLC [US]; LISAIUSKAS TADAS LUKAS [US] ET AL.) 10 May 2012 (2012-05-10) * paragraphs [0001], [0023]; figures * -----	1-8	
A	US 2016/262446 A1 (GRIESMAYR GUENTER [AT] ET AL) 15 September 2016 (2016-09-15) * paragraphs [0060] - [0066]; figures * -----	1	
A	US 2018/177235 A1 (MINZONI MIRKO [CH]) 28 June 2018 (2018-06-28) * abstract; figures * -----	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			A24D A24C
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 March 2024	Examiner Kock, Søren
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03:82 (F04C01)

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

EP 24 15 1573

5 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.

22-03-2024

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5595196 A	21-01-1997	NONE	

US 2008029111 A1	07-02-2008	EP 2046153 A2	15-04-2009
		EP 2494875 A2	05-09-2012
		ES 2391663 T3	28-11-2012
		ES 2526906 T3	16-01-2015
		JP 5610381 B2	22-10-2014
		JP 2009545324 A	24-12-2009
		US 2008029111 A1	07-02-2008
		US 2010294289 A1	25-11-2010
		WO 2008019281 A2	14-02-2008

WO 2012061249 A2	10-05-2012	NONE	

US 2016262446 A1	15-09-2016	AR 097777 A1	13-04-2016
		AT 514862 A1	15-04-2015
		AU 2014328446 A1	07-04-2016
		BR 112016006487 A2	01-08-2017
		CA 2924235 A1	02-04-2015
		CL 2016000704 A1	30-09-2016
		CN 105555154 A	04-05-2016
		CY 1121048 T1	11-12-2019
		EA 201690578 A1	31-08-2016
		EP 3048906 A2	03-08-2016
		ES 2657425 T3	05-03-2018
		HK 1218054 A1	03-02-2017
		HR P20180164 T1	09-03-2018
		HU E036383 T2	30-07-2018
		JP 6454331 B2	16-01-2019
		JP 2016536977 A	01-12-2016
		KR 20160094932 A	10-08-2016
		LT 3048906 T	12-02-2018
		MY 180797 A	09-12-2020
		NO 3048906 T3	31-03-2018
		PH 12016500519 A1	16-05-2016
		PL 3048906 T3	30-04-2018
		PT 3048906 T	23-01-2018
		SI 3048906 T1	28-02-2018
		TW 201519801 A	01-06-2015
		US 2016262446 A1	15-09-2016
		WO 2015042627 A2	02-04-2015
		ZA 201602637 B	30-05-2018

US 2018177235 A1	28-06-2018	AR 105096 A1	06-09-2017
		AU 2016282803 A1	02-11-2017
		BR 112017025710 A2	07-08-2018

EPC FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

55

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

EP 24 15 1573

5 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.

22-03-2024

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
			CA 2983090 A1	29-12-2016
			CN 107690288 A	13-02-2018
			CN 116849397 A	10-10-2023
15			EP 3313211 A1	02-05-2018
			EP 4233580 A2	30-08-2023
			HK 1254686 A1	26-07-2019
			IL 255489 A	31-01-2018
			JP 6938388 B2	22-09-2021
			JP 2018522539 A	16-08-2018
20			KR 20180020136 A	27-02-2018
			MY 189944 A	22-03-2022
			PH 12017501814 A1	23-04-2018
			RU 2018102207 A	23-07-2019
			RU 2020112479 A	15-06-2020
25			TW 201703660 A	01-02-2017
			UA 125431 C2	09-03-2022
			US 2018177235 A1	28-06-2018
			WO 2016207192 A1	29-12-2016
			ZA 201706631 B	29-05-2019
30	-----			
35				
40				
45				
50				

EPC FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

55