



(11) **EP 4 491 041 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
09.04.2025 Bulletin 2025/15

(51) International Patent Classification (IPC):
A24F 47/00^(2020.01) A24D 3/04^(2006.01)

(43) Date of publication A2:
15.01.2025 Bulletin 2025/03

(52) Cooperative Patent Classification (CPC):
A24D 3/04; A24D 1/20

(21) Application number: **24216136.2**

(22) Date of filing: **10.10.2019**

(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**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
19948515.2 / 4 042 888

(71) Applicant: **Japan Tobacco Inc.**
Tokyo 105-6927 (JP)

(72) Inventor: **Yumoto, Takuya**
Tokyo, 130-8603 (JP)

(74) Representative: **Hoffmann Eitle**
Patent- und Rechtsanwälte PartmbB
Arabellastraße 30
81925 München (DE)

(54) **NON-COMBUSTION HEATING TYPE FLAVOR INHALER**

(57) Provided is a non-combustion heating type flavor inhaler including a tobacco rod, a cooling segment, and a mouthpiece, where the mouthpiece includes a filter

and a center hole filter in this order towards the mouth end and wherein the cooling segment comprises a paper tube with ventilation holes.

EP 4 491 041 A3



EUROPEAN SEARCH REPORT

Application Number

EP 24 21 6136

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	EP 3 075 266 A1 (PT GUDANG GARAM TBK [ID]) 5 October 2016 (2016-10-05) * paragraphs [0089], [0120] - [0122]; figure 1 *	1-11	INV. A24F47/00 A24D3/04
A	JP S59 196082 A (DAICEL CHEM) 7 November 1984 (1984-11-07) * figure 1 *	1-11	
A	WO 2019/186337 A1 (PHILIP MORRIS PRODUCTS SA [CH]) 3 October 2019 (2019-10-03) * the whole document *	1-11	
A	WO 2012/014490 A1 (JAPAN TOBACCO INC [JP]; SHINOZAKI YASUHIRO [JP] ET AL.) 2 February 2012 (2012-02-02) * the whole document *	1-11	
A	EP 2 412 396 A1 (JAPAN TOBACCO INC [JP]) 1 February 2012 (2012-02-01) * the whole document *	1-11	TECHNICAL FIELDS SEARCHED (IPC) A24D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 February 2025	Examiner Picout, David
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	

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

EP 24 21 6136

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.

11-02-2025

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 3075266	A1	05-10-2016	CN	106036983 A		26-10-2016
			EP	3075266 A1		05-10-2016
			EP	3075268 A1		05-10-2016
			EP	3075269 A2		05-10-2016
			EP	3075272 A2		05-10-2016
			JP	6272280 B2		31-01-2018
			JP	2016195585 A		24-11-2016

JP S59196082	A	07-11-1984	JP	H0453507 B2		26-08-1992
			JP	S59196082 A		07-11-1984

WO 2019186337	A1	03-10-2019	BR	112020016528 A2		15-12-2020
			CN	111801026 A		20-10-2020
			EP	3772252 A1		10-02-2021
			JP	7249354 B2		30-03-2023
			JP	2021517808 A		29-07-2021
			KR	20200133335 A		27-11-2020
			RU	2020128329 A		26-04-2022
			US	2021008306 A1		14-01-2021
			WO	2019186337 A1		03-10-2019

WO 2012014490	A1	02-02-2012	CN	103037718 A		10-04-2013
			EP	2597976 A1		05-06-2013
			EP	3831220 A1		09-06-2021
			JP	5459813 B2		02-04-2014
			JP	2013532953 A		22-08-2013
			RU	2524887 C1		10-08-2014
			TW	201208725 A		01-03-2012
			US	2013133675 A1		30-05-2013
			US	2018317560 A1		08-11-2018
			WO	2012014490 A1		02-02-2012

EP 2412396	A1	01-02-2012	EP	2412396 A1		01-02-2012
			ES	2674139 T3		27-06-2018
			JP	5990500 B2		14-09-2016
			JP	2014000420 A		09-01-2014
			JP	WO2010110226 A1		27-09-2012
			TW	201039762 A		16-11-2010
			US	2012006346 A1		12-01-2012
			WO	2010110226 A1		30-09-2010
