



# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 91 01 67

## Classification of the application (IPC):

A24D 1/20, A24D 1/02, A24F 40/42, A24F 40/40, A24F 40/20, A24B 15/12, A24B 15/14

## Technical fields searched (IPC):

A24D, A24F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	WO 2020105944 A1 (KT & G CORP [KR]) 28 May 2020 (2020-05-28)	1-5
Y	* paragraph [0070]; figure 7 *	6
	* paragraph [0075] *	
	* paragraph [0084] *	
X	WO 2020128045 A1 (PHILIP MORRIS PRODUCTS SA [CH]) 25 June 2020 (2020-06-25)	1, 3
	* paragraph [0069]; figure 3 *	
	* paragraph [0135] *	
E	WO 2022074238 A1 (PHILIP MORRIS PRODUCTS SA [CH]) 14 April 2022 (2022-04-14)	1, 3
	* page 11, line 30 - page 12, line 3; figures 9, 10A *	
	* page 13, line 7 - line 9 *	
	* page 48, line 14 - page 49, line 8 *	
X,P	WO 2021218893 A1 (CHINA TOBACCO HUBEI INDUSTRIAL CORPORATION LTD [CN]) 04 November 2021 (2021-11-04)	1
	* paragraph [0078] - paragraph [0079]; figure 2 *	
	* paragraph [0085] *	
	* paragraph [0088] - paragraph [0089] *	
X	WO 2020100928 A1 (JAPAN TOBACCO INC [JP])	1, 5
Y	22 May 2020 (2020-05-22)	6
	* paragraph [0011]; figures 1-3; table 2 *	

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 08 October 2024	Examiner Sodtke, Christof
---------------------------	---	------------------------------

## CATEGORY OF CITED DOCUMENTS

- |   |  |
|---|--|
| X: particularly relevant if taken alone   | P: intermediate document   |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention                        |
| A: technological background   | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure   | D: document cited in the application                                   |
| &: member of the same patent family, corresponding document                     | L: document cited for other reasons                                    |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



# ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 91 01 67

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 08-10-2024  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2020105944 A1	28-05-2020	CN 111757677 A	09-10-2020
		EP 3818879 A1	12-05-2021
		JP 7343251 B2	12-09-2023
		JP 2021514644 A	17-06-2021
		JP 2023055969 A	18-04-2023
		KR 20200061070 A	02-06-2020
		KR 20220072821 A	02-06-2022
		KR 20220137591 A	12-10-2022
		KR 20230065965 A	12-05-2023
		US 2021000180 A1	07-01-2021
		US 2024206543 A1	27-06-2024
		WO 2020105944 A1	28-05-2020
WO 2020128045 A1	25-06-2020	AU 2019408541 A1	13-05-2021
		BR 112021010712 A2	31-08-2021
		CA 3116957 A1	25-06-2020
		CN 113163853 A	23-07-2021
		EP 3752013 A1	23-12-2020
		EP 4193851 A1	14-06-2023
		ES 2933688 T3	13-02-2023
		HU E060424 T2	28-02-2023
		IL 283924 A	29-07-2021
		JP 7373388 B2	02-11-2023
		JP 7531493 B2	09-08-2024
		JP 2020114205 A	30-07-2020
		JP 2022514750 A	15-02-2022
		JP 2024147820 A	16-10-2024
		KR 20210107039 A	31-08-2021
		LT 3752013 T	12-12-2022
		PH 12021550874 A1	18-10-2021
		PL 3752013 T3	20-02-2023
		US 2022015414 A1	20-01-2022
		WO 2020128045 A1	25-06-2020
		ZA 202102097 B	26-06-2024
WO 2022074238 A1	14-04-2022	CN 116456844 A	18-07-2023
		CN 116507227 A	28-07-2023
		EP 4225078 A1	16-08-2023
		JP 2023545977 A	01-11-2023
		KR 20230084521 A	13-06-2023
		US 2024016202 A1	18-01-2024
		WO 2022074238 A1	14-04-2022



ANNEX TO SUPPLEMENTARY EUROPEAN  
SEARCH REPORT

Application number:  
EP 21 91 01 67

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 08-10-2024  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 2021218893	A1	04-11-2021	CN	112385882 A	23-02-2021
			EP	4144233 A1	08-03-2023
			JP	7382510 B2	16-11-2023
			JP	2023512934 A	30-03-2023
			KR	20220056864 A	06-05-2022
			WO	2021218893 A1	04-11-2021
WO 2020100928	A1	22-05-2020	CN	113038847 A	25-06-2021
			EP	3881698 A1	22-09-2021
			JP	7258910 B2	17-04-2023
			JP	WO2020100928 A1	28-10-2021
			TW	202037284 A	16-10-2020
			WO	2020100928 A1	22-05-2020

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

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.