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## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 19 93 64 45

Classification of the application (IPC):  
A24F 40/485

Technical fields searched (IPC):  
A24F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	WO 2019115475 A1 (PHILIP MORRIS PRODUCTS SA [CH]) 20 June 2019 (2019-06-20) * page 11, line 6 - page 12, line 3; page 15, lines 8-12; *	1-5, 9 6-8
X A	US 2019029319 A1 (MOORMAN WALLACE DRAY [US]) 31 January 2019 (2019-01-31) * paragraph [0033] - paragraph [0035]; figure 7 *	1-5, 9 6-8
X A	WO 2017076590 A1 (PHILIP MORRIS PRODUCTS SA [CH]) 11 May 2017 (2017-05-11) * page 11, lines 1-11; page 16, lines 9-27; page 18, lines 28-34; *	1-5, 9 6-8
Y A	WO 2016066635 A1 (JT INT SA [CH]) 06 May 2016 (2016-05-06) * page 4, line 21 - page 5, line 17; page 7, lines 5-22; *	6, 7 1, 5, 8, 9
Y	WO 2019096983 A1 (BRITISH AMERICAN TOBACCO INVESTMENTS LTD [GB]) 23 May 2019 (2019-05-23) * page 8, line 21 - page 9, line 4 *	8

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 The Hague	Date of completion of the search 13 December 2022	Examiner Cardan, Cosmin
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### 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

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 19 93 64 45

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 13-12-2022  
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO2019115475	A1	20-06-2019	NONE		
US 2019029319	A1	31-01-2019	NONE		
WO2017076590	A1	11-05-2017	CA	3003056 A1	11-05-2017
			CN	108135274 A	08-06-2018
			EP	3370551 A1	12-09-2018
			EP	3782680 A1	24-02-2021
			IL	258142 A	31-05-2018
			JP	2019502364 A	31-01-2019
			JP	2021184718 A	09-12-2021
			KR	20180079298 A	10-07-2018
			RU	2018120358 A	04-12-2019
			RU	2020101181 A	10-04-2020
			TW	201715976 A	16-05-2017
			WO	2017076590 A1	11-05-2017
WO2016066635	A1	06-05-2016	CA	2965051 A1	06-05-2016
			CN	106998810 A	01-08-2017
			EP	3212016 A1	06-09-2017
			JP	2017536109 A	07-12-2017
			KR	20170076703 A	04-07-2017
			TW	201616991 A	16-05-2016
			US	2017318860 A1	09-11-2017
			WO	2016066635 A1	06-05-2016
WO2019096983	A1	23-05-2019	EP	3709828 A1	23-09-2020
			JP	6992899 B2	13-01-2022
			JP	2021503282 A	12-02-2021
			KR	20200075847 A	26-06-2020
			RU	2737857 C1	03-12-2020
			US	2020345075 A1	05-11-2020
			WO	2019096983 A1	23-05-2019