



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 17 92 00 81

Classification of the application (IPC):  
A24B 15/24, A24B 13/00, A24B 15/167

Technical fields searched (IPC):  
A24B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2015292152 A1 (HATA SHIGERU [JP] ET AL) 15 October 2015 (2015-10-15) * claim 3; figure 4A; example 4 *	1-10
X	WO 2009015142 A2 (REYNOLDS TOBACCO CO R [US]; MUA JOHN-PAUL [US] ET AL.) 29 January 2009 (2009-01-29) * page 32, line 24 - page 37, line 12 *	1
X	WO 0002464 A1 (NOVO NORDISK AS [DK]; IMP TOBACCO LTD [CA]) 20 January 2000 (2000-01-20) * page 24, line 27 - page 25, line 11 * * page 27, lines 16-18 *	1
X	US 6508254 B1 (MUA JOHN-PAUL [US] ET AL) 21 January 2003 (2003-01-21) * column 3, lines 12, 13, 63, 64 *	1
X	CN 103045369 A (CHINA TOBACCO GUANGDONG IND CO; UNIV SOUTH CHINA TECH) 17 April 2013 (2013-04-17) * paragraphs [0012], [0013] *	1
X	US 2015320107 A1 (DUBE MICHAEL FRANCIS [US] ET AL) 12 November 2015 (2015-11-12) * paragraph [0009]; claim 7 *	11

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 24 March 2021	Examiner Flügel, Alexander
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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
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### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-10

method of producing a tobacco flavor solution, the method comprising a first heating step of heating a mixture containing a tobacco material and an alkali aqueous solution having a pH of 11-13 at a temperature of 80-240°C for 5-320 min, followed by a second heating step of heating said mixture to a temperature of 25-60°C

2. claim: 11

tobacco flavor solution comprising pyrazine derivatives, cyclotene, maltol, and vanillin in specified concentrations

All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.

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 24 March 2021	Examiner Flügel, Alexander
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**ANNEX TO SUPPLEMENTARY EUROPEAN  
SEARCH REPORT**

 Application number:  
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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 24-03-2021  
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