



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 87 58 66

Classification of the application (IPC):
A24B 15/14, A24B 3/14

Technical fields searched (IPC):
A24B, A24D

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	KR 20200101946 A (JT INT SA [CH]) 28 August 2020 (2020-08-28) * abstract *	1-9
X	WO 2020025728 A1 (NICOVENTURES TRADING LTD [GB]) 06 February 2020 (2020-02-06) * page 3, line 13 - line 18 * * page 25, line 31 - page 26, line 10 * * page 27, line 15 - line 17 * * page 32, line 4 - line 10 *	1, 3-9
X	US 2018242631 A1 (KLIPFEL YORICK [CH] ET AL) 30 August 2018 (2018-08-30) * paragraphs [0008], [0016] - [0019], [0027], [0031] *	1-9
X	US 2018310608 A1 (SCIBOZ ALAIN [CH] ET AL) 01 November 2018 (2018-11-01) * paragraphs [0003], [0014], [0045], [0046], [0048], [0056] *	1-9
A	EP 0495567 B1 (ROTHMANS BENSON & HEDGES [CA]) 14 July 1999 (1999-07-14) * the whole document *	1-9

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 09 September 2024	Examiner Czerny, M
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CATEGORY OF CITED DOCUMENTS

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 20200101946 A	28-08-2020	CA 3087278 A1	04-07-2019
		CN 111565584 A	21-08-2020
		EP 3731669 A1	04-11-2020
		JP 7232254 B2	02-03-2023
		JP 2021510501 A	30-04-2021
		KR 20200101946 A	28-08-2020
		PL 3731669 T3	05-06-2023
		RU 2753222 C1	12-08-2021
		TW 201929694 A	01-08-2019
		US 2020323271 A1	15-10-2020
		WO 2019129693 A1	04-07-2019
WO 2020025728 A1	06-02-2020	AU 2019312838 A1	11-02-2021
		BR 112021001845 A2	27-04-2021
		CA 3107662 A1	06-02-2020
		CN 113347894 A	03-09-2021
		EP 3829350 A1	09-06-2021
		IL 280265 A	01-03-2021
		JP 7203193 B2	12-01-2023
		JP 2021531810 A	25-11-2021
		JP 2023030145 A	07-03-2023
		KR 20210032524 A	24-03-2021
		KR 20240090793 A	21-06-2024
		MY 198019 A	26-07-2023
		RU 2771572 C1	05-05-2022
		UA 127520 C2	20-09-2023
		US 2021307384 A1	07-10-2021
		WO 2020025728 A1	06-02-2020



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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2018242631 A1	30-08-2018	AU 2016318385 A1	18-01-2018
		BR 112018002010 A2	18-09-2018
		CA 2989978 A1	16-03-2017
		CN 107949283 A	20-04-2018
		EP 3346854 A1	18-07-2018
		ES 2792924 T3	12-11-2020
		HK 1255625 A1	23-08-2019
		HU E048793 T2	28-08-2020
		IL 256540 A	28-02-2018
		JP 7133467 B2	08-09-2022
		JP 7413439 B2	15-01-2024
		JP 2018531590 A	01-11-2018
		JP 2022109337 A	27-07-2022
		KR 20180050278 A	14-05-2018
		PH 12017502226 A1	11-06-2018
		PL 3346854 T3	02-11-2020
		RU 2018112405 A	09-10-2019
		US 2018242631 A1	30-08-2018
		WO 2017041920 A1	16-03-2017
		ZA 201708282 B	28-11-2018
US 2018310608 A1	01-11-2018	AU 2016347736 A1	19-04-2018
		BR 112018007950 A2	30-10-2018
		CA 3000791 A1	11-05-2017
		CN 108135250 A	08-06-2018
		EP 3373751 A1	19-09-2018
		IL 258291 A	28-06-2018
		JP 6442110 B2	19-12-2018
		JP 2018533950 A	22-11-2018
		KR 20180073579 A	02-07-2018
		PH 12018500599 A1	24-09-2018
		RU 2672639 C1	16-11-2018
		SG 11201803586Y A	30-05-2018
		US 2018310608 A1	01-11-2018
		WO 2017077110 A1	11-05-2017
		ZA 201801798 B	30-01-2019
EP 0495567 B1	14-07-1999	AU 644927 B2	23-12-1993
		CA 2057962 A1	06-07-1992
		DE 69229570 T2	03-02-2000
		EP 0495567 A2	22-07-1992
		JP 2504890 B2	05-06-1996
		JP H06220800 A	09-08-1994
		US 5462073 A	31-10-1995
		US 5699812 A	23-12-1997