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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 22 84 67 11

Classification of the application (IPC):

C30B 29/02, C30B 29/04, C23C 16/27, C30B 29/00, C01B 32/26, C23C 16/52, C30B 25/16

Technical fields searched (IPC):

C01B, C23C, C30B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	VAN RYTHOVEN A D ET AL: "Intra-crystal co-variations of carbon isotopes and nitrogen contents in diamond from three North American cratons" <i>CHEMICAL GEOLOGY, ELSEVIER SCIENCE PUBLISHER B.V., AMSTERDAM, NL</i> , 22 June 2017 (2017-06-22), vol. 467, DOI: 10.1016/J.CHEMGEO.2017.06.027, ISSN: 0009-2541, pages 12-29, XP085182160 * abstract * * tables 1,2 * * paragraphs [03.1], [03.3] *	1, 2, 4-7, 9-15
X	CHUNLIN SONG ET AL: "Warming and monsoonal climate lead to large export of millennial-aged carbon from permafrost catchments of the Qinghai-Tibet Plateau" <i>ENVIRONMENTAL RESEARCH LETTERS, ENVIRONMENTAL RESEARCH LETTERS, BR</i> , 22 June 2020 (2020-06-22), vol. 15, no. 7, DOI: 10.1088/1748-9326/AB83AC, ISSN: 1748-9326, page 74012, XP020354688 * abstract * * table 2 * * figure 2 *	1, 2, 4-7, 9-15
X	THOMASSOT E ET AL: "Metasomatic diamond growth: A multi-isotope study (^{13}C , ^{15}N , ^{33}S , ^{34}S) of sulphide inclusions and their host diamonds from Jwaneng (Botswana)" <i>EARTH AND PLANETARY SCIENCE LETTERS, NORTH HOLLAND PUBL., CO, NL</i> , 30 May 2009 (2009-05-30), vol. 282, no. 1-4, DOI: 10.1016/J.EPSL.2009.03.001, ISSN: 0012-821X, pages 79-90, XP026104713 * abstract * * table 3 *	1, 2, 4-7, 9-15
X	WANG HAO A. ET AL: "A Preliminary SIMS Study Using Carbon Isotopes to Separate Natural from Synthetic Diamonds" <i>JOURNAL OF GEMMOLOGY</i> , 01 January 2018 (2018-01-01), vol. 36, no. 1, DOI: 10.15506/JoG.2018.36.1.38, ISSN: 1355-4565, pages 38-43, XP093202972 * abstract * * figure 3 *	1, 2, 4-7, 9-15

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 10 September 2024	Examiner Mertins, Frédéric
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CATEGORY OF CITED DOCUMENTS

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2016230311 A1 (VINCE DALE [GB]) 11 August 2016 (2016-08-11) * abstract * * claims 1,31,49 * * paragraphs [0049], [0072], [0082], [0097] *	1-15

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 10 September 2024	Examiner Mertins, Frédéric
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Application number:
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 2016230311	A1	11-08-2016	CN 107531490 A	02-01-2018
			CN 111517321 A	11-08-2020
			EP 3253710 A1	13-12-2017
			EP 3597596 A1	22-01-2020
			GB 2535152 A	17-08-2016
			SG 11201706260S A	30-08-2017
			US 2016230311 A1	11-08-2016
			US 2018223449 A1	09-08-2018
			WO 2016124948 A1	11-08-2016