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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 22 84 17 88

Classification of the application (IPC):

C23C 2/40, C23C 2/26, C23C 2/00, C22C 38/38, C22C 38/32, C22C 38/26,
C21D 8/02, C21D 9/663, C21D 1/26, C22C 38/24, C21D 1/04, C22C 38/02,
C21D 3/06, C22C 38/14, C22C 38/16, C21D 9/46, C22C 38/04, C22C 38/12,
C22C 38/08, C22C 38/06

Technical fields searched (IPC):

C22C, C23C, C21D

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	WO 2020195946 A1 (JFE STEEL CORP [JP]) 01 October 2020 (2020-10-01) * the whole document *	5, 7-9, 12, 14-21 1-4, 6, 10, 11, 13
	& EP 3907304 B1 (JFE STEEL CORP [JP]) 21 February 2024 (2024-02-21) * paragraphs [0025], [0026], [0033], [0045], [0049] - [0051], [0060], [0078]; figures 3A-3C; example B; table 1 *	
X A	JP 2020153004 A (JFE STEEL CORP) 24 September 2020 (2020-09-24) * paragraphs [0016], [0021], [0030] - [0033], [0054]; figure 3; example A; table 1 *	5, 7-9, 12, 14-21 1-4, 6, 10, 11, 13
E	EP 4177363 A1 (JFE STEEL CORP [JP]) 10 May 2023 (2023-05-10) * paragraphs [0093] - [0115]; tables 2, 3 *	5, 7, 8, 12, 14-16, 18-21
E	EP 4183890 A1 (JFE STEEL CORP [JP]) 24 May 2023 (2023-05-24) * paragraphs [0036] - [0059], [0093] - [0104]; tables 1-5 *	5, 7, 8, 12, 14-16, 18-21
E	EP 4166681 A1 (JFE STEEL CORP [JP]) 19 April 2023 (2023-04-19) * paragraphs [0103], [0118] - [0141]; tables 1-3 *	1, 4, 5, 8-21
A	JP 2004131794 A (NIPPON STEEL CORP) 30 April 2004 (2004-04-30) * the whole document *	1-21

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 28 August 2024	Examiner Martinavicius, A
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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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& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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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 28-08-2024.
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