



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 81 88 16

Classification of the application (IPC):

C22C 38/22, C22C 38/24, C22C 38/02, C22C 38/04, C21D 1/25, C21D 6/00,
C21D 8/00, C21D 1/06, C21D 7/13, C21D 1/18, C21D 9/00, B21J 13/02

Technical fields searched (IPC):

C22C, C21D, B21J

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	JP 2017155306 A (SANYO SPECIAL STEEL CO LTD) 07 September 2017 (2017-09-07) * the whole document *	1-9
X	JP 2013087322 A (SANYO SPECIAL STEEL CO LTD) 13 May 2013 (2013-05-13) * the whole document *	1-9
A	CN 104928586 A (BAOSHAN IRON & STEEL) 23 September 2015 (2015-09-23) * the whole document *	1-9
A	CN 107130167 A (BAOSTEEL SPECIAL STEEL CO LTD) 05 September 2017 (2017-09-05) * the whole document *	1-9
A	JP H10298709 A (HITACHI METALS LTD) 10 November 1998 (1998-11-10) * the whole document *	1-9
A	CN 107974637 A (PANGANG GROUP JIANGYOU CHANGCHENG SPECIAL STEEL CO LTD) 01 May 2018 (2018-05-01) * the whole document *	1-9
A	CN 102605261 A (BAOSHAN IRON & STEEL) 25 July 2012 (2012-07-25) * the whole document *	1-9
A	JP H06145884 A (HITACHI METALS LTD) 27 May 1994 (1994-05-27) * 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 24 August 2022	Examiner Vlassi, Eleni
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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

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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 24-08-2022
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2017155306	A	07-09-2017	JP 6925781 B2 JP 2017155306 A	25-08-2021 07-09-2017
JP 2013087322	A	13-05-2013	JP 6032881 B2 JP 2013087322 A	30-11-2016 13-05-2013
CN 104928586	A	23-09-2015	NONE	
CN 107130167	A	05-09-2017	NONE	
JP H10298709	A	10-11-1998	NONE	
CN 107974637	A	01-05-2018	NONE	
CN 102605261	A	25-07-2012	NONE	
JP H06145884	A	27-05-1994	NONE	