



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 86 90 76

### Classification of the application (IPC):

C22C 38/38, C22C 38/28, C22C 38/26, C22C 38/02, C22C 38/06, C21D 9/46,  
C21D 8/02, C21D 6/00, C21D 6/02, C21D 1/02, C23G 1/08, C23G 3/02

### Technical fields searched (IPC):

C22C, C21D, C23G

### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2014230970 A1 (PERLADE ASTRID [FR] ET AL) 21 August 2014 (2014-08-21) * claims 23-44 * * tables 1-4 * * paragraphs [0010] - [0133] *	1-13
X	CN 104513930 A (BAOSHAN IRON & STEEL) 15 April 2015 (2015-04-15) * the whole document *	1-13
A	WO 2015099222 A1 (POSCO [KR]) 02 July 2015 (2015-07-02) * claims 1-7 * * tables 1-3 * * paragraphs [0014] - [0136] *	1-13
A	CN 105821301 A (HANDAN BRANCH HEBEI IRON AND STEEL CO LTD) 03 August 2016 (2016-08-03) * the whole document *	1-13
A	CN 101285156 A (GUANGZHOU PEARL RIVER STEEL & [CN]) 15 October 2008 (2008-10-15) * the whole document *	1-13
A	KR 20130110638 A (HYUNDAI STEEL CO [KR]) 10 October 2013 (2013-10-10) * the whole document *	1-13
A,D	CN 103602895 A (BAOSHAN IRON & STEEL) 26 February 2014 (2014-02-26) * the whole document *	1-13

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 02 May 2023	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**

 Application number:  
EP 20 86 90 76

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 02-05-2023  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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