



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 90 69 24

### Classification of the application (IPC):

C22C 38/00, C22C 38/02, C22C 38/04, C22C 38/06, C22C 38/22, C22C 38/26, C21D, C22C  
C22C 38/28, C22C 38/32, C22C 38/38, C21D 9/46, C21D 8/02, C21D 1/19,  
C21D 1/84, C21D 6/00

### Technical fields searched (IPC):

C21D, C22C

### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	JP 2014196557 A (KOBE STEEL LTD) 16 October 2014 (2014-10-16) * the whole document *	1-12
A	KR 20150014736 A (HYUNDAI STEEL COMPANY) 09 February 2015 (2015-02-09) * the whole document *	1-12
A	KR 20140047960 A (POSCO [KR]) 23 April 2014 (2014-04-23) * the whole document *	1-12
A	KR 20130046941 A (HYUNDAI STEEL CO [KR]) 08 May 2013 (2013-05-08) * the whole document *	1-12
A	JP 2007100114 A (JFE STEEL KK) 19 April 2007 (2007-04-19) * the whole document *	1-12

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	Date of completion of the search	Examiner
The Hague	21 March 2024	Mikloweit, Alexander

### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone  
Y: particularly relevant if combined with another document of the same category  
A: technological background  
O: non-written disclosure  
& : member of the same patent family, corresponding document

P: intermediate document  
T: theory or principle underlying the invention  
E: earlier patent document, but published on, or after the filing date  
D: document cited in the application  
L: document cited for other reasons



## 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 21-03-2024.  
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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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KR 20150014736	A	09-02-2015		NONE		
KR 20140047960	A	23-04-2014		NONE		
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