



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 82 05 73

Classification of the application (IPC):

C22C 38/00, C22C 38/02, C22C 38/04, C22C 38/06, C22C 38/08, C22C 38/12, C22C 38/14, C22C 38/16, C21D 1/28

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
X	JP H07278656 A (NIPPON STEEL CORP) 24 October 1995 (1995-10-24) * paragraphs [0005], [0017] - paragraph [0026]; tables 1-3 *	1-9
A	JP 2013049895 A (JFE STEEL CORP) 14 March 2013 (2013-03-14) * paragraph [0049] - paragraph [0082]; tables 1-3 *	1-9
A	EP 2940172 A1 (POSCO [KR]) 04 November 2015 (2015-11-04) * paragraph [0039] - paragraph [0060]; tables 1-3 *	1-9
A	EP 3012340 A1 (BAOSHAN IRON & STEEL [CN]) 27 April 2016 (2016-04-27) * paragraph [0033] - paragraph [0040]; tables 1-4 *	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 17 May 2019	Examiner Barenbrug-van Druten
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CATEGORY OF CITED DOCUMENTS

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| 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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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 17-05-2019
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP H07278656	A	24-10-1995	NONE	
JP 2013049895	A	14-03-2013	JP 5768603 B2 JP 2013049895 A	26-08-2015 14-03-2013
EP 2940172	A1	04-11-2015	CA 2896531 A1 CN 104884656 A EP 2940172 A1 JP 6219405 B2 JP 2016507649 A KR 20140085068 A US 2015315682 A1 WO 2014104443 A1	03-07-2014 02-09-2015 04-11-2015 25-10-2017 10-03-2016 07-07-2014 05-11-2015 03-07-2014
EP 3012340	A1	27-04-2016	CA 2914441 A1 CN 103320692 A EP 3012340 A1 JP 6198937 B2 JP 2016524653 A KR 20150143838 A US 2016122844 A1 WO 2014201887 A1	24-12-2014 25-09-2013 27-04-2016 20-09-2017 18-08-2016 23-12-2015 05-05-2016 24-12-2014