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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 89 32 11

Classification of the application (IPC):

C22C 38/48, C22C 38/42, C22C 38/00, C22C 38/02, C22C 38/04, C22C 38/06,
C22C 38/46, C22C 38/50, C22C 38/44, C22C 38/52, C22C 38/54, F01N 13/16,
C21D 9/46, C21D 8/02

Technical fields searched (IPC):

C22C, C21D

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2013149187 A1 (INOUE YOSHIHARU [JP] ET AL) 13 June 2013 (2013-06-13) * claims 1-4 * * table 1 * * paragraphs [0014] - [0053] *	1-5
X	EP 1413640 A1 (NISSHIN STEEL CO LTD [JP]) 28 April 2004 (2004-04-28) * claims 1-4 * * tables 1, 3 * * paragraphs [0011] - [0049] *	1-5
X	JP 2009235555 A (NIPPON STEEL & SUMIKIN SST) 15 October 2009 (2009-10-15) * the whole document *	1-5
X	JP 2009102728 A (JFE STEEL CORP) 14 May 2009 (2009-05-14) * the whole document *	1-5
X	JP 2000303149 A (SUMITOMO METAL IND) 31 October 2000 (2000-10-31) * the whole document *	1-5
X,D	JP 2012007195 A (NISSHIN STEEL CO LTD) 12 January 2012 (2012-01-12) * the whole document *	1-5
A	US 2009092513 A1 (HAMADA JUNICHI [JP] ET AL) 09 April 2009 (2009-04-09) * claims 1-4 * * tables 1-2 * * paragraphs [0019] - [0042] *	1-5

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 13 April 2020	Examiner Vlassi, Eleni
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CATEGORY OF CITED DOCUMENTS

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	US 2012014830 A1 (HAMADA JUNICHI [JP] ET AL) 19 January 2012 (2012-01-19) * claims 1-3 * * paragraphs [0065] - [0140] * * tables 1-2 *	1-5

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 13 April 2020	Examiner Vlassi, Eleni
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X: particularly relevant if taken alone	P: intermediate document
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