



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 87 92 99

Classification of the application (IPC):
C21D 8/12, C22C 38/02, C22C 38/04, C21D 9/46

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	US 2003116236 A1 (HAYAKAWA YASUYUKI [JP] ET AL) 26 June 2003 (2003-06-26)	1-3, 5, 7, 10-15
A	* abstract *	4, 6, 8, 9
X	US 4692193 A (YOSHITOMI YASUNARI [JP] ET AL) 08 September 1987 (1987-09-08)	1, 5-15
A	* abstract *	2-4
X	JP S5518511 A (NIPPON STEEL CORP) 08 February 1980 (1980-02-08)	1, 5-15
A	* abstract *	2-4
A	JP 3438282 B2 (KAWASAKI STEEL CO) 18 August 2003 (2003-08-18)	1-15
A	* abstract *	
A	KR 101141279 B1 (POSCO [KR]) 04 May 2012 (2012-05-04)	1-15
A	* abstract *	

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 27 November 2018	Examiner Vermeulen, Yves
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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 27-11-2018
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