

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 13 89 2680

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 0 818 552 A2 (SCHMIDT & CLEMENS [DE]) 14 January 1998 (1998-01-14)	1-3,5-9	INV. C22C38/00
A	* abstract; claims 2, 6; example 2; table 5 *	4	C21D6/00 C22C38/58 C22C38/02
X	----- EP 1 803 832 A1 (PARK YONG S [KR]) 4 July 2007 (2007-07-04) * abstract; claim 11; table 1 * * paragraph [0029] - paragraph [0060] *	1-9	C22C38/04 C22C38/06 C22C38/42 C22C38/44 C22C38/48
X	----- US 4 055 448 A (FUJIKURA MASAKUNI ET AL) 25 October 1977 (1977-10-25) * abstract; claims 1-3; table 1 *	1-9	
A	----- WO 2012/111536 A1 (SUMITOMO METAL IND [JP]; MOTOYA DAISUKE [JP]; HAMADA MASAHIKO [JP]; AM) 23 August 2012 (2012-08-23) * the whole document *	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			C21D C22C
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 6 March 2017	Examiner Mikloweit, Alexander
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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 P : intermediate document</p> <p>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 & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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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
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06-03-2017

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0818552	A2	14-01-1998	DE 19628350 A1	15-01-1998
			EP 0818552 A2	14-01-1998
			ES 2233986 T3	16-06-2005

EP 1803832	A1	04-07-2007	AU 2003221202 A1	08-10-2003
			CN 1643176 A	20-07-2005
			CN 101580917 A	18-11-2009
			DE 60313763 T2	24-01-2008
			EP 1495150 A1	12-01-2005
			EP 1803832 A1	04-07-2007
			JP 4834292 B2	14-12-2011
			JP 2005520934 A	14-07-2005
			JP 2011174183 A	08-09-2011
			KR 20030077239 A	01-10-2003
			US 2005158201 A1	21-07-2005
			WO 03080886 A1	02-10-2003

US 4055448	A	25-10-1977	NONE	

WO 2012111536	A1	23-08-2012	AU 2012218660 A1	05-09-2013
			CA 2826880 A1	23-08-2012
			CN 103370436 A	23-10-2013
			EP 2677054 A1	25-12-2013
			JP 5229425 B2	03-07-2013
			US 2013312880 A1	28-11-2013
			WO 2012111536 A1	23-08-2012
