

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 86 0114

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	US 2010/242684 A1 (LAABER KARL [AT] ET AL) 30 September 2010 (2010-09-30)	1,4,5,14	INV. F27B21/08
Y	* paragraph [0049] - paragraph [0050]; claims 1,12; figure 1 *	3,6-13, 15-20	F27B21/10 C22B1/22 F27B21/06
X	JP 2004 332001 A (JP STEEL PLANTECH CO) 25 November 2004 (2004-11-25) * abstract; figures 2,4 *	1,14	C22B1/20 C22B1/26 F27D15/02 F27D17/00
X	EP 0 446 779 A2 (PREUSSAG STAHL AG [DE]) 18 September 1991 (1991-09-18)	1,2,14	
Y	* page 2, line 48 - page 3, line 25; figure 1 * * page 3, line 46 - page 4, line 43; claims 1,7 *	3,6-13, 15-20	
X	US 3 963 481 A (POWERS ROBERT E) 15 June 1976 (1976-06-15) * claims 1-6; figure 1 *	1,14	
X	JP 2012 251698 A (JP STEEL PLANTECH CO) 20 December 2012 (2012-12-20) * abstract; figures 1,8,9 *	1,14	TECHNICAL FIELDS SEARCHED (IPC) F27B C22B F27D
X	JP 2010 132946 A (JFE STEEL CORP) 17 June 2010 (2010-06-17) * abstract; figure 12 *	1,14	
X	KR 2013 0072877 A (POSCO [KR]) 2 July 2013 (2013-07-02) * abstract; figure 2 *	1,14	
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 Munich		Date of completion of the search 5 December 2017	Examiner Gavriliu, Alexandru
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 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 & : member of the same patent family, corresponding document			

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

EP 15 86 0114

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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05-12-2017

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2010242684	A1	30-09-2010	AT 503199 A1	15-08-2007
			AU 2007207112 A1	26-07-2007
			BR PI0706552 A2	29-03-2011
			CA 2637230 A1	26-07-2007
			CN 101370948 A	18-02-2009
			EP 1974066 A1	01-10-2008
			ES 2524250 T3	04-12-2014
			JP 5363118 B2	11-12-2013
			JP 2009523912 A	25-06-2009
			KR 20080086531 A	25-09-2008
			UA 91112 C2	25-06-2010
			US 2010242684 A1	30-09-2010
			WO 2007082694 A1	26-07-2007
			ZA 200806272 B	25-11-2009

JP 2004332001	A	25-11-2004	CN 1570159 A	26-01-2005
			JP 2004332001 A	25-11-2004

EP 0446779	A2	18-09-1991	DE 4008027 C1	23-05-1991
			EP 0446779 A2	18-09-1991
			JP H0777390 A	20-03-1995

US 3963481	A	15-06-1976	CA 1047256 A	30-01-1979
			DE 2602285 A1	16-09-1976
			US 3963481 A	15-06-1976

JP 2012251698	A	20-12-2012	NONE	

JP 2010132946	A	17-06-2010	JP 5458560 B2	02-04-2014
			JP 2010132946 A	17-06-2010

KR 20130072877	A	02-07-2013	NONE	
