

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 77 2740

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	JP S56 50722 A (NIPPON KOKAN KK) 8 May 1981 (1981-05-08) * abstract; figure 2 *	1-6	INV. B21D5/01
X	JP S59 209425 A (NIPPON KOKAN KK) 28 November 1984 (1984-11-28) * abstract; figures 2,6 *	1-6	
X	JP 2008 246533 A (JFE STEEL KK) 16 October 2008 (2008-10-16) * abstract; figures 1-4 *	1-6	
X	DE 195 04 736 A1 (MANNESSMANN AG [DE]) 14 August 1996 (1996-08-14) * abstract; figures 3,4 *	1-6	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			TECHNICAL FIELDS SEARCHED (IPC)
			B21D
Place of search		Date of completion of the search	Examiner
Munich		16 March 2017	Cano Palmero, A
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 77 2740

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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16-03-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP S5650722 A	08-05-1981	JP S5650722 A	08-05-1981
		JP S5927649 B2	07-07-1984
JP S59209425 A	28-11-1984	JP H0147248 B2	13-10-1989
		JP S59209425 A	28-11-1984
JP 2008246533 A	16-10-2008	JP 5082544 B2	28-11-2012
		JP 2008246533 A	16-10-2008
DE 19504736 A1	14-08-1996	NONE	