



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 75 35 40

Classification of the application (IPC):  
C22B 1/16, C22B 1/20

Technical fields searched (IPC):  
C22B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X,D	JP 2003049227 A (NIPPON STEEL CORP) 21 February 2003 (2003-02-21) * the whole document *	1-5
X	JP H08120351 A (SUMITOMO METAL IND) 14 May 1996 (1996-05-14) * the whole document *	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 Munich	Date of completion of the search 27 November 2019	Examiner Swiatek, Ryszard
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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 27-11-2019  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2003049227 A	21-02-2003	JP 5020446 B2 JP 2003049227 A	05-09-2012 21-02-2003
JP H08120351 A	14-05-1996	NONE	