



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 19 77 07 61

### Classification of the application (IPC):

C21C 7/06, C21C 7/04, C21C 1/02, C21C 5/28, C21C 7/00, C21C 7/064,  
C21C 7/10

### Technical fields searched (IPC):

C21C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	JP H10237533 A (SUMITOMO METAL IND) 08 September 1998 (1998-09-08) * paragraphs [0006], [0007], [0034] * * paragraph [0039] - paragraph [0044] *	1-4
A	US 2012298320 A1 (MIYAZAKI MASAFUMI [JP] ET AL) 29 November 2012 (2012-11-29) * paragraphs [0045], [0046] *	2, 3
A	JP H108196 A (SUMITOMO METAL IND) 13 January 1998 (1998-01-13) * paragraph [0012] *	4
A	US 2017029919 A1 (ZHANG JIANCHUN [CN] ET AL) 02 February 2017 (2017-02-02) * claims 5, 8 *	4

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 24 November 2020	Examiner Porté, Olivier
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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 24-11-2020  
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