



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 89 44 71

Classification of the application (IPC):  
C21B 5/00, C21B 5/06, C21B 7/00

Technical fields searched (IPC):  
C21B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	WO 2019007908 A1 (AIR LIQUIDE [FR]; AIR LIQUIDE GLOBAL MAN SERVICES GMBH [DE]) 10 January 2019 (2019-01-10) * claim 3 * * table 1 *	1-11 12, 13
X A	EP 3124626 A1 (JFE STEEL CORP [JP]) 01 February 2017 (2017-02-01) * figures 1, 4 * * See Example * * table 1 *	1-11 12, 13
X A	<b>YILMAZ CAN ET AL:</b> "Modeling and simulation of hydrogen injection into a blast furnace to reduce carbon dioxide emissions" <i>JOURNAL OF CLEANER PRODUCTION</i> AMSTERDAM, NL 01 June 2017 (2017-06-01), vol. 154, DOI: 10.1016/j.jclepro.2017.03.162, ISSN: 0959-6526, pages 488-501, XP055957384 * See Section 2 *	1-11 12, 13

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 11 December 2023	Examiner Gimeno-Fabra, Lluís
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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 11-12-2023  
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