



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 79 76 64

**Classification of the application (IPC):**  
E04F 13/08, E04B 2/96, E04B 1/38, E04B 1/76, E04B 1/94

**Technical fields searched (IPC):**  
E04B, E04F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	KR 20110086974 A (LIM GU JAE [KR]) 02 August 2011 (2011-08-02) * Translation; paragraph [0023] - paragraph [0039]; figures *	1, 2, 5, 6, 8-11, 13, 14
X	KR 20150039347 A (SEUNGJIN KIM) 10 April 2015 (2015-04-10) * Translation; paragraph [0001] - paragraph [0047]; figures *	1, 3, 4, 7, 11
X,D	US 10309100 B2 (OWENS CORNING INTELLECTUAL CAPITAL LLC [US]) 04 June 2019 (2019-06-04) * column 4, line 33 - column 12, line 44; figures *	12-14

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 The Hague	Date of completion of the search 11 April 2024	Examiner López-García, G
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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 11-04-2024  
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
KR 20110086974	A	02-08-2011	NONE		
KR 20150039347	A	10-04-2015	NONE		
US 10309100	B2	04-06-2019	US	2018163397 A1	14-06-2018
			US	2019277026 A1	12-09-2019