



(11) **EP 3 677 734 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**02.09.2020 Bulletin 2020/36**

(51) Int Cl.:  
**E04D 13/03<sup>(2006.01)</sup> E06B 3/66<sup>(2006.01)</sup>**

(43) Date of publication A2:  
**08.07.2020 Bulletin 2020/28**

(21) Application number: **19217296.3**

(22) Date of filing: **18.12.2019**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR**  
Designated Extension States:  
**BA ME**  
Designated Validation States:  
**KH MA MD TN**

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(30) Priority: **04.01.2019 PL 42849119**

(54) **TERRACE SKYLIGHT**

(57) The skylight has a frame (O) with a support frame (1) made of an non-isosceles profile with a "Z" profile, directed outwards by a horizontal lower arm (1a) longer than the upper arm (1b). A peripheral layer of thermal insulation (T) adheres to the web (1c). The frame (O) is sealed from above by a glass panel (S) composed of at least two transparent plates (8, 10), tightly connected at the edges with a spacer (11). The upper outer plate (8) has dimensions larger than the lower inner plate (10), and both plates (8, 10) tightly adhere to the support surface on the upper arm (1b) and the upper surface of the thermal insulation (T) by edge seals (12). The thermal insulation layer (I) made of low density insulation material has a height (h) greater than the web height (1c) by the distance between the bottom surfaces of the inner (10) and outer (8) plates. At the length of each side, the support frame (1) is provided with at least two mounting brackets (K), which with a vertical arm (14) are threaded through the slots (15) cut in the corners of the upper arm (1b) of the support frame (1) and adhere to the inner surface of the web (1c). With a horizontal arm (12), they covers the edge area of the inner plate (10) from above and presses it through the flexible pad (16) against the seal (12) on the lower arm (1a) of the support frame (1). At the same time, the outer plate (8) combined with the inner plate (10) is pressed through the seal (12) to the upper surface of the thermal insulation layer (T), whereby the mounting brackets (K) in the pressure position of the glass panel (S) are fastened with screws (18) to the web (1c) of the support frame (1).

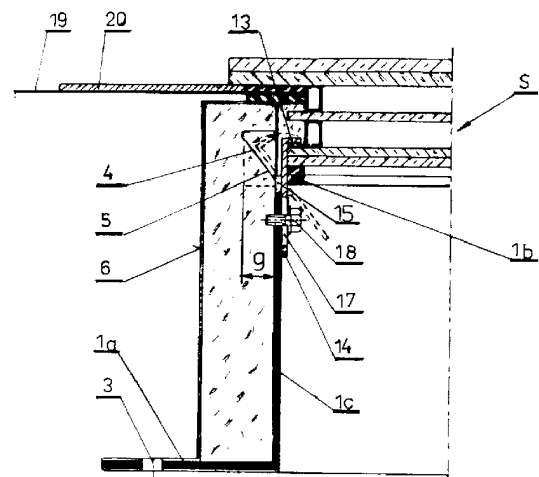


FIG. 3

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EUROPEAN SEARCH REPORT

Application Number  
EP 19 21 7296

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	DE 10 2013 000033 A1 (SEMADENI MARCO [CH]) 11 July 2013 (2013-07-11) * figure 1a *	1-20	
A,D	EP 1 664 455 B1 (TECH PATENTS L L C V [US]) 3 October 2012 (2012-10-03) * figures *	1-20	
			TECHNICAL FIELDS SEARCHED (IPC)
			E04D E06B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		22 July 2020	Tran, Kim Lien
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	

EPO FORM 1503 03/02 (P04C01)



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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

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Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

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No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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see sheet B

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All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

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None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

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The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION  
SHEET B**Application Number  
EP 19 21 7296

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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1. claims: 1-11(completely); 19, 20(partially)

Terrace skylight using mounting brackets on the inner side of the skylight frame to press and hermetically connect a glass pane onto said frame

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2. claims: 12-18(completely); 19, 20(partially)

Terrace skylight where the glass pane is hermetically connected to an insulating layer without the use of any mounting bracket

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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

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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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-07-2020

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82