



## (51) International Patent Classification:

*E04B 2/96* (2006.01)      *E06B 1/60* (2006.01)  
*E06B 1/36* (2006.01)      *E04B 2/90* (2006.01)  
*E06B 1/38* (2006.01)      *E06B 7/14* (2006.01)

## (21) International Application Number:

PCT/EP2018/077643

## (22) International Filing Date:

10 October 2018 (10.10.2018)

## (25) Filing Language:

English

## (26) Publication Language:

English

## (30) Priority Data:

PA 2017 70772      11 October 2017 (11.10.2017)      DK

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

## (54) Title: FRAME SEALING SYSTEM, CURTAIN WALLING SYSTEM AND METHOD OF MOUNTING A CURTAIN WALL

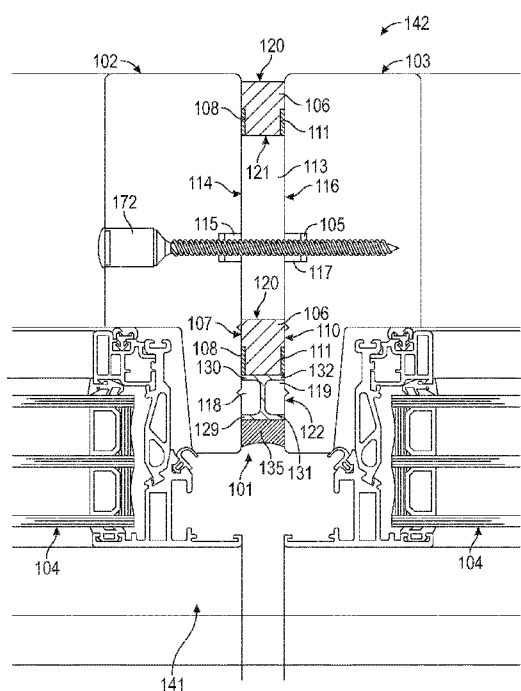


FIG. 46

(57) Abstract: The curtain wall incorporates a frame sealing system (101) mutually positioning and sealing window frames arranged adjacently. The frame sealing system includes a seal carrier profile (106) with a first side (107) provided with a first sealing strip (108) adapted to seal against the first frame (102) and a second side (110) being provided with a second sealing strip (111) adapted to seal against the second frame (103). The first side is provided with a first recess (109) in which the first sealing strip is mounted and the second side (110) is provided with a second recess (112) in which the second sealing strip is mounted, and each first and second sealing strip is made of a deformable adhesive material adapted to adhere to the respective frame. The frame sealing system is adapted to engage a peripherally extending groove (105) of each frame.

**(88) Date of publication of the international search report:**  
13 June 2019 (13.06.2019)

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2018/077643

A. CLASSIFICATION OF SUBJECT MATTER		
INV.	E04B2/96 E06B7/14	E06B1/36 E06B1/38 E06B1/60 E04B2/90
ADD.		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) E06B E04B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 3 043 016 A1 (VKR HOLDING AS [DK]) 13 July 2016 (2016-07-13) the whole document -----	1-13
X A	DE 296 07 602 U1 (KBE KUNSTSTOFFPROD GMBH [DE]) 4 July 1996 (1996-07-04) figures 6-7c page 6, line 20 - page 7, line 7 -----	1-4,9 5-8, 10-13
X	US 4 691 489 A (SHEA JR JOHN R [US]) 8 September 1987 (1987-09-08) figure 6 column 3, line 63 - column 4, line 9 -----	1,5,6,9
Y A	GB 2 288 421 A (VEKA PLC [GB]) 18 October 1995 (1995-10-18) figure 4 page 6, lines 12-30 ----- -/-	14,15, 17-32 16,45
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search  6 May 2019		Date of mailing of the international search report  14/05/2019
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer  Blancquaert, Katleen

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2018/077643

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2018/077643

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 10 2007 015988 A1 (GEALAN FENSTER SYSTEME GMBH [DE]) 16 October 2008 (2008-10-16)	14,15, 17-32
A	figures 1a-4 paragraph [0018] - paragraph [0021] -----	16,45
X	EP 2 189 614 A2 (NORSK HYDRO AS [NO]) 26 May 2010 (2010-05-26)	33-36, 39,41,42
A	figures 1-4 paragraph [0027] -----	37,38, 40,43,44
A	EP 2 312 076 A2 (OSKOMERA GROUP B V [NL]) 20 April 2011 (2011-04-20)	1-46
A	figures 1-3 -----	
A	EP 3 190 240 A1 (SAPA AS [NO]) 12 July 2017 (2017-07-12)	33-44
	figures 1-11 -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2018/077643

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 3043016	A1	13-07-2016	NONE
DE 29607602	U1	04-07-1996	NONE
US 4691489	A	08-09-1987	NONE
GB 2288421	A	18-10-1995	NONE
DE 102007015988	A1	16-10-2008	NONE
EP 2189614	A2	26-05-2010	EP 2189614 A2 26-05-2010 FR 2938600 A1 21-05-2010
EP 2312076	A2	20-04-2011	EP 2312076 A2 20-04-2011 NL 2003611 C2 11-04-2011
EP 3190240	A1	12-07-2017	DE 102016100267 A1 13-07-2017 EP 3190240 A1 12-07-2017 US 2017198476 A1 13-07-2017

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13

frame sealing system comprising a sealing strip made of a deformable adhesive material

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2. claims: 14-32, 45, 46

a curtain wall system comprising a sealing system including locator blocks

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3. claims: 33-44

a curtain wall system comprising a sealing system having first and second drain channels

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