



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
15.11.2000 Bulletin 2000/46

(51) Int Cl.7: **E05D 15/10**

(43) Date of publication A2:
19.05.1999 Bulletin 1999/20

(21) Application number: **98610028.7**

(22) Date of filing: **18.08.1998**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
• **Gravesen, Villiam
6950 Ringkøbing (DK)**
• **Smedegaard, Kaj
6950 Ringkøbing (DK)**
• **Hammer, Carl
6900 Skjern (DK)**

(30) Priority: **11.11.1997 DK 128097
10.03.1998 DK 32698**

(71) Applicant: **VELUX Industri A/S
2860 Soborg (DK)**

(74) Representative:
**Raffnsøe, Knud Rosenstand et al
Internationalt Patent-Bureau,
23 Høje Taastrup Boulevard
2630 Taastrup (DK)**

(54) **A sliding window or door arrangement**

(57) In a window or door arrangement for a building facade, a sliding window or a sliding door is mounted side by side with a fixed building element, e.g. a window or panel portion, such that in the closed position, the mobile sash of the sliding window or door (48) is flush with the fixed building element.

By means of displacement fittings comprising a trolley (54, 55) which is supported in a longitudinally displaceable way by a guide rail (53) fastened to the bottom member (52) of the frame structure and is connected by parallel carrier arms (56, 57) to the mobile sash (48), the mobile sash can move by translatory motion to a start location in the displacement plane for subsequent sideways displacement therein towards an open position, in which it overlaps the fixed building element.

Releasable retaining means (65, 70) assure that the sash (48) during the sideways displacement is retained in the displacement plane.

By the translatory motion between the closed position and the start location in the displacement plane, the sash (48) is secured against sideways displacement towards collision with the fixed building element.

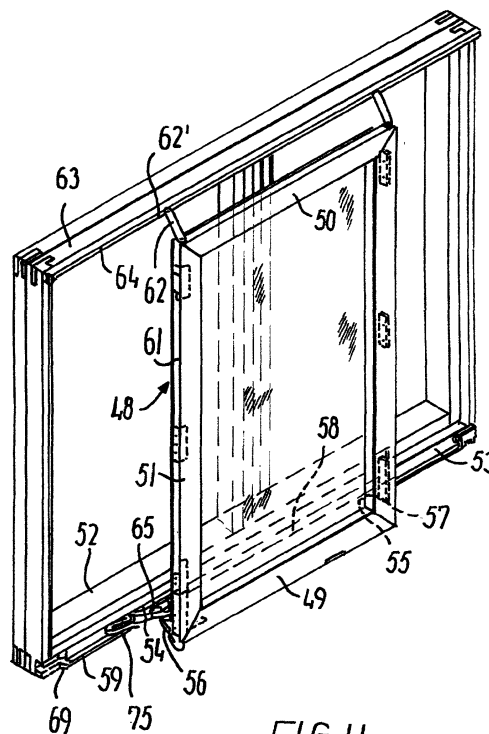


FIG. 11



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 61 0028

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	DE 36 43 965 C (SIEGENIA-FRANK) 11 February 1988 (1988-02-11)	1	E05D15/10
Y	* column 8, line 55 - column 9, line 41; figures *	14	
A	---	5	
Y	US 4 384 429 A (ROKICKI STANLEY A ET AL) 24 May 1983 (1983-05-24) * abstract *	14	
X	DE 84 35 367 U (HAUTAU) 11 April 1985 (1985-04-11) * page 10, last paragraph - page 11, paragraph 1; figures *	1	
D,A	EP 0 103 725 A (GRETSCH UNITAS GMBH) 28 March 1984 (1984-03-28) * abstract * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			E05D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20 September 2000	Examiner Van Kessel, J
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03 82 (P04C01)

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

EP 98 61 0028

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.

20-09-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 3643965 C	11-02-1988	AT 58412 T	15-11-1990
		DE 3766239 D	20-12-1990
		DK 586787 A	23-06-1988
		EP 0275359 A	27-07-1988
		FI 875262 A,B,	23-06-1988
		NO 874648 A	23-06-1988
		US 4829710 A	16-05-1989

US 4384429 A	24-05-1983	CA 1121657 A	13-04-1982
		DE 3212110 A	23-12-1982
		FR 2503235 A	08-10-1982
		GB 2096220 A,B	13-10-1982
		JP 1381094 C	28-05-1987
		JP 57205678 A	16-12-1982
		JP 61047267 B	18-10-1986
		SE 445752 B	14-07-1986
		SE 8202074 A	03-10-1982

DE 8435367 U	11-04-1985	NONE	

EP 0103725 A	28-03-1984	DE 3234677 A	22-03-1984
		AT 39156 T	15-12-1988
		JP 1815487 C	18-01-1994
		JP 5024311 B	07-04-1993
		JP 59072379 A	24-04-1984
		US 4551945 A	12-11-1985

EPO FORM P0459

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