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(54) CLOSING/OPENING MECHANISM FOR A WINDOW

(57) A closing/opening mechanism for a window with frame hinged pivotably in a case so as to enable the window to open or close as it is pivoted in or out of the case which closing/opening mechanism has a length and a cross section making it suitable for embedding between the sides of a groove in the window frame and comprising: a pivotable connection which can activate the closing/opening mechanism; a fixed component for stationary fitting in the groove; a movable component connected to the pivotable connection such that the pivotable connection when moving between a first and a second stop

position moves the movable component linearly between two outer positions. The closing/opening mechanism comprises a resilient component connected to the movable component such that the movable component causes the resilient component to be between a loaded and an unloaded state when the movable component is moved between the two outer positions which resilient component is in an unloaded state when the closing/opening mechanism is activated, whereby the closing mechanism is resiliently retained in the activated state by the resilient component.

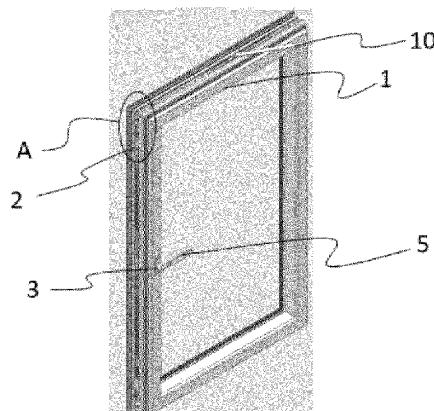


Fig. 1



EUROPEAN SEARCH REPORT

Application Number

EP 23 15 0853

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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)
X	EP 3 708 743 A1 (WINKHAUS FA AUGUST [DE]) 16 September 2020 (2020-09-16)	1-6	INV. E05C9/20
Y	* paragraphs [0003], [0015] – paragraph [0028]; figures 1-12 *	9	E05C9/24

X	EP 2 295 684 A1 (ROTO FRANK AG [DE]) 16 March 2011 (2011-03-16)	1-6	
Y	* the whole document *	9	

X	DE 20 2007 017479 U1 (WINKHAUS FA AUGUST [DE]) 28 February 2008 (2008-02-28)	1-6	
Y	* the whole document *	9	

X	DE 10 2016 207083 A1 (WINKHAUS FA AUGUST [DE]) 26 October 2017 (2017-10-26)	1-6	
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X	SE 459 676 B (ISAKSSON C G & CO AB [SE]) 24 July 1989 (1989-07-24)	7, 8	
Y	* the whole document *	9	

A	EP 3 741 940 A1 (SIEGENIA AUBI KG [DE]) 25 November 2020 (2020-11-25) * paragraph [0022] – paragraph [0035]; figures 1-12 *	7-9	TECHNICAL FIELDS SEARCHED (IPC)
	-----		E05B E05C E05F
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
The Hague	16 November 2023		Goddar, Claudia
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date		
A : technological background	D : document cited in the application		
O : non-written disclosure	L : document cited for other reasons		
P : intermediate document		
	8 : member of the same patent family, corresponding document		



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CLAIMS INCURRING FEES

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

10 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):

15 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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35 All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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

45 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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50 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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55 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
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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: 1-6

A closing/opening mechanism for a window comprising a pivotable connection, a fixed component, a movable component and a resilient component

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2. claims: 7-9

An adjustable closing/opening mechanism for a window comprising a pivotable connection, a fixed component, a movable component, a connector, a converter and an adjustable gear mechanism

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

EP 23 15 0853

5 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.

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