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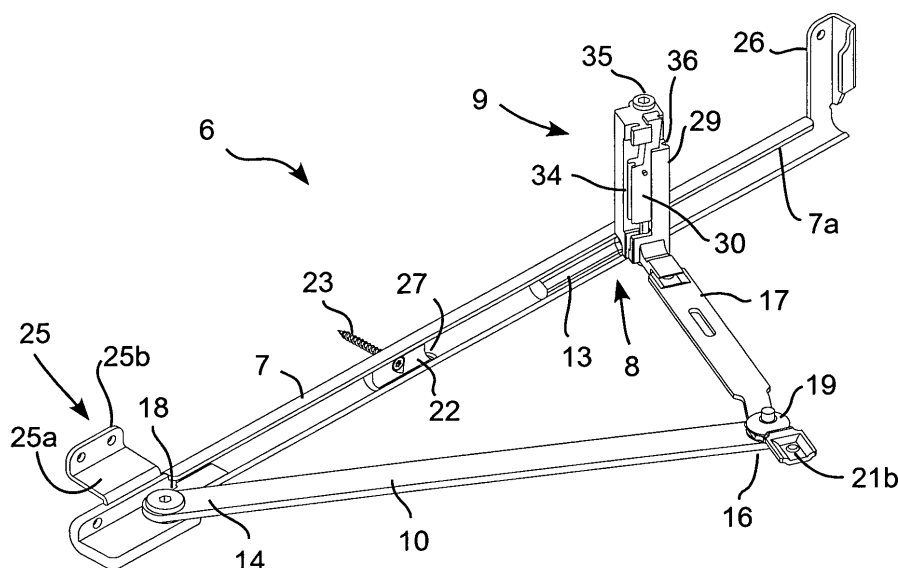
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(54) Hinge and track assembly

(57) The present invention relates to a hinge and track assembly (6) for a wing construction (1), such as a door or window construction. The hinge and track assembly (6) comprises a track (7) mounted to the wing frame (2), a connector (8) comprising a first section (8a) which is parallel with the axis of the track (7) and which is slideably arranged in the track, and a second section (8b) in the form of a pin which is perpendicular to the axis

of the track (7), and pin engaging means (9) on the wing (5) which pivotably engages with the second section (8b) of the connector (8) thereby allowing the wing (5) to pivot about the second section (8b) of the connector (8). The connector is further characterized in that the first section (8a) and the second section (8b) of the connector (8) are both sections of a single bent metal rod. In this way, a strong and effective hinge and track assembly is provided.

**Fig. 2**



EUROPEAN SEARCH REPORT

Application Number
EP 06 38 8045

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A,D	US 5 491 930 A (LA SEE J C) 20 February 1996 (1996-02-20) * abstract * * figures 1, 2 * * column 4, lines 7-54 * -----	1-11, 14-19	INV. E05D15/30 E05D15/40 ADD. E05D15/48
A,D	US 3 509 664 A (LOK ALBERT C S) 5 May 1970 (1970-05-05) * the whole document * -----	1-11, 14-19	
			TECHNICAL FIELDS SEARCHED (IPC)
			E05D
1 ~~The present search report has been drawn up for all claims~~			
Place of search The Hague		Date of completion of the search 25 July 2013	Examiner Mund, André
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 03/82 (P04C01)



Application Number

EP 06 38 8045

CLAIMS INCURRING FEES

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

☐ 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):

☐ 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.

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:

see sheet B

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

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

☐ 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:

☒ 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:

1-11(completely); 14-19(partially)

☐ 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 06 38 8045

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:

1. claims: 1-11(completely); 14-19(partially)

Hinge and track assembly with bent metal rod connector

2. claims: 12, 13(completely); 14-19(partially)

Hinge and track assembly with slider block moulded on connector

3. claims: 20, 21

Connection element with adjustment means

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

EP 06 38 8045

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
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25-07-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5491930 A	20-02-1996	NONE	
US 3509664 A	05-05-1970	GB 1182493 A US 3509664 A	25-02-1970 05-05-1970

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