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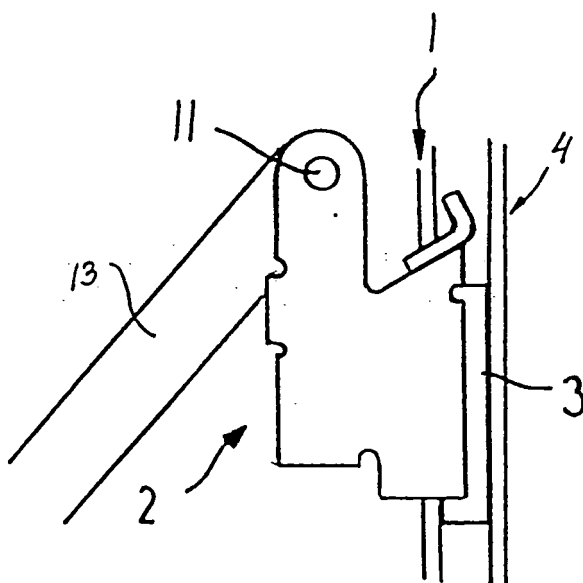
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(54) **A sliding device, a window having such a sliding device and a method for mounting a sash in such a window**

(57) The sliding device (1) comprises a slide member (2) having a slide shoe (3), said slide shoe (3) being adapted to engage a substantially U-shaped rail (4) comprising a bottom wall (5), a side wall (6) and a front wall (7). The sliding device (1) further comprises a safety member (8) adapted to releasably engage the slide mem-

ber (2), said safety member (8) being in the mounted condition of the sliding device in engagement with a back-side (6a) of the side wall (6) of the rail, such that the slide shoe (3) is prevented from being removed from the rail (4). At the same time a possibility for a varied frictional engagement between the sliding device (1) and the rail is provided.



**FIG. 4**



## EUROPEAN SEARCH REPORT

Application Number  
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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  | US 1 543 956 A (SOULE ARTHUR C)<br>30 June 1925 (1925-06-30)   | 1-7                              | INV.<br>E05D15/44                       |
| Y  | * page 2, columns 34-49 *<br>* figures 1,9 *   | 8-11                             |   |
| X  | -----<br>WO 96/23125 A1 (INTERLOCK IND LTD [NZ];<br>EFSTRATIOU ROBERT [NZ]; FIFIELD JON<br>LEONARD [N]) 1 August 1996 (1996-08-01)<br>* page 2, lines 3-6 *<br>* page 3, lines 22-24 *<br>* page 6, lines 17-21 *<br>* page 7, lines 16-26 *<br>* page 8, lines 24-26 *<br>* figures 4,5 * | 1                                |   |
| Y  | -----<br>WO 03/018946 A1 (VKR HOLDING AS [DK];<br>MADSEN TAGE [DK])<br>6 March 2003 (2003-03-06)   | 8-11                             |   |
| A  | * page 7, line 30 - page 8, line 7 *<br>* page 10, lines 5-13 *<br>* page 11, lines 18-25 *<br>* figures 2,4 *<br>-----  | 1-7,12                           |   |
| The present search report has been drawn up for all claims   |  |                                  | TECHNICAL FIELDS<br>SEARCHED (IPC)      |
|  |  |                                  | E05D<br>E06B                            |
| Place of search  |  | Date of completion of the search | Examiner                                |
| The Hague  |  | 6 April 2010                     | Wagner, Andrea                          |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document<br>T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |  |                                  |   |

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EPO FORM 1503 03.82 (P04C01)

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

EP 04 38 8067

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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06-04-2010

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|----|---------------------|----------------------------|---------------------|
| US 1543956                                | A  | 30-06-1925          | NONE                       |                     |
| -----                                     |    |                     |                            |                     |
| WO 9623125                                | A1 | 01-08-1996          | AU 4630196 A               | 14-08-1996          |
|   |    |                     | CA 2211210 A1              | 01-08-1996          |
|   |    |                     | JP 3707792 B2              | 19-10-2005          |
|   |    |                     | JP 10512933 T              | 08-12-1998          |
| -----                                     |    |                     |                            |                     |
| WO 03018946                               | A1 | 06-03-2003          | AT 317485 T                | 15-02-2006          |
|   |    |                     | CN 1545592 A               | 10-11-2004          |
|   |    |                     | DE 60209151 T2             | 17-08-2006          |
|   |    |                     | EP 1419306 A1              | 19-05-2004          |
|   |    |                     | NO 20040772 A              | 20-02-2004          |
| -----                                     |    |                     |                            |                     |