



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**01.08.2012 Bulletin 2012/31**

(51) Int Cl.:  
**E04F 11/06 (2006.01)**

(43) Date of publication A2:  
**29.09.2010 Bulletin 2010/39**

(21) Application number: **10157663.5**

(22) Date of filing: **24.03.2010**

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR**  
Designated Extension States:  
**AL BA ME RS**

(72) Inventors:  
• **Kasinski, Bogdan**  
**34-601, Limanowa (PL)**  
• **Musial, Henryk**  
**32-020, Wieliczka (PL)**

(30) Priority: **27.03.2009 PL 38761609**

(74) Representative: **Lukaszyk, Szymon et al**  
**Kancelaria Patentowa Lukaszyk**  
**ul. Głowackiego 8/6**  
**40-062 Katowice (PL)**

(71) Applicant: **Fakro PP Spolka Z O.O.**  
**33-300 Nowy Sacz (PL)**

(54) **Scissor-like attic stairs**

(57) The pantographs (3a) at their free end are interconnected by a bar (7a), which together with the sill element (9) forms such a kinematic system that turning round the bar (7) pulled at its crank forces the catching element (7a) to turn and to move in relation of the sill element (9), releasing by this the ladder (3) from its lock and enabling to expand the ladder (3). The sill element (9) has in its cross-section parallel to side element of the ladder (3) a triangular profile and has an abutting surface on the side of the hinges connecting the flap (2) with the hatch frame (1), which surface passes arch wise into an adjoining sliding surface forming an acute angle with the surface of the flap (2).

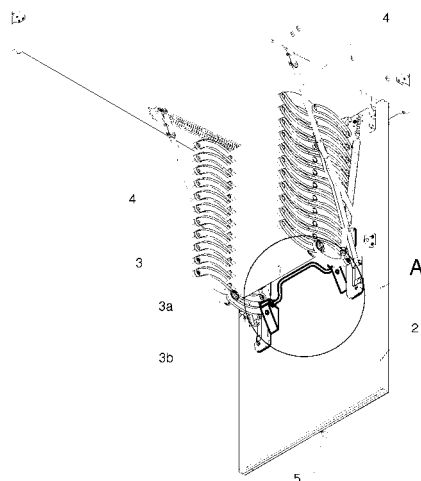
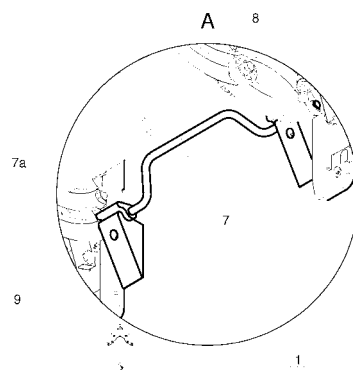


Fig. 1



## EUROPEAN SEARCH REPORT

Application Number  
EP 10 15 7663

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	US 2 050 593 A (CLIFFORD TRAUT) 11 August 1936 (1936-08-11) * figure 6 *	1	INV. E04F11/06
A	----- GB 1 249 185 A (KNIGHT HUGH PERCIVAL) 6 October 1971 (1971-10-06) * figures 1, 3 * * column 1, lines 23-47 * * column 4, lines 87-91 *	1	
A	----- US 4 076 102 A (DESARZENS FRANCIS ET AL) 28 February 1978 (1978-02-28) * figures 4, 5 * * column 1, lines 55-68 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			E04F E06C
Place of search		Date of completion of the search	Examiner
The Hague		26 June 2012	Cobusneanu, D
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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 ..... &amp; : member of the same patent family, corresponding document</p>			

1  
EPO FORM 1503 03.82 (P04C01)

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

EP 10 15 7663

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.

26-06-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2050593	A	11-08-1936	NONE
GB 1249185	A	06-10-1971	NONE
US 4076102	A	28-02-1978	AR
		214722 A1	31-07-1979
		AT 366746 B	10-05-1982
		AU 2150177 A	27-07-1978
		BE 850310 A1	02-05-1977
		BR 7606665 A	16-11-1977
		CH 598446 A5	28-04-1978
		DE 2649849 A1	04-08-1977
		ES 448161 A1	01-07-1977
		FR 2340431 A1	02-09-1977
		GB 1522282 A	23-08-1978
		GR 62633 A1	14-05-1979
		IT 1116961 B	10-02-1986
		JP 52103899 A	31-08-1977
		PT 66140 A	01-03-1977
		US 4076102 A	28-02-1978
		YU 22677 A	31-05-1982
		ZA 7700261 A	30-11-1977