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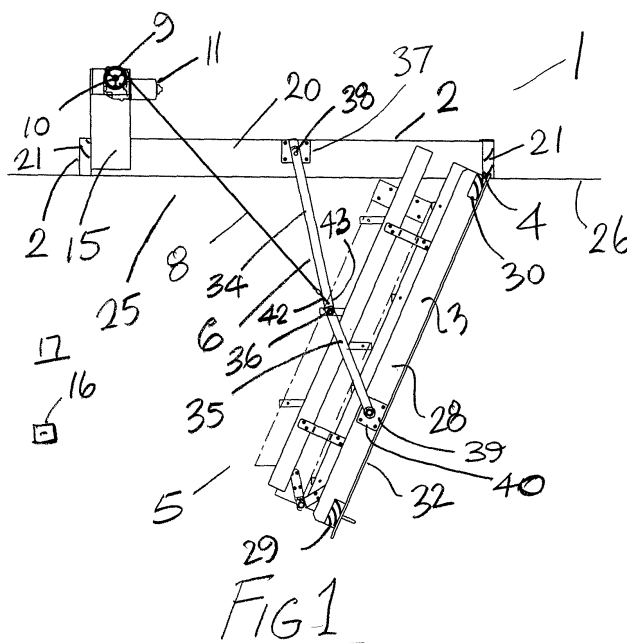
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(54) **A folding attic stair assembly**

(57) A folding attic stair assembly (1) comprises a rectangular outer mounting frame (2). An inner stairway carrying frame (3) is mounted by a hinge (4) at one end of the outer mounting frame (2) for movement between a raised stored position on the outer mounting frame (2) and a lowered position extending downwardly from the mounting frame (2). An expendable attic stair (5) is mounted on the inner frame (3). A pair of folding support

arms (6) extend between the outer mounting frame (2) and the inner stairway carrying frame (3). A cable (8) connects between each folding support arm (6) and an associated reel (9) mounted on a drive shaft (10) which is connected to a drive motor (11). This drive motor (11) is operable to wind and unwind the cables (8) on the reels (9) to raise and lower the attic stair (5) in a controlled manner.





EUROPEAN SEARCH REPORT

Application Number
EP 09 15 7786

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	IE 20 060 399 A1 (BURKE MICHAEL [IE]) 24 January 2007 (2007-01-24)	1,2,4-7	INV. E04F11/06
Y	* figures 12, 13 * * page 1, lines 31-33 * * page 2, lines 1-2 * * page 3, lines 1-3 * * page 8, line 27 *	11-15	
X	----- US 2007/181364 A1 (LAIR JEAN-PIERRE [US]) 9 August 2007 (2007-08-09) * figures 1, 8 * * paragraph [0053] * * paragraph [0013] * * paragraph [0014] *	1,3,8-10	
Y	----- US 2002/112409 A1 (KNOWLES STACEY GLENN [US]) 22 August 2002 (2002-08-22) * figure 2 * * paragraph [0043] * -----	11-15	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			E04F
Place of search		Date of completion of the search	Examiner
The Hague		21 June 2012	Cobusneanu, D
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			

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

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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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21-06-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
IE 20060399 A1	24-01-2007	NONE	
US 2007181364 A1	09-08-2007	US 2007181364 A1	09-08-2007
		US 2008060874 A1	13-03-2008
US 2002112409 A1	22-08-2002	NONE	