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LADDER

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A ladder that is foldable and collapsible. The ladder includes a first side rail and a second side rail that are spaced apart from one another by a plurality of rungs extending between the first and second side rails. The
- rungs may be pivotably coupled to the first and second side rails. The ladder is foldable between a plurality of configurations and the ladder is collapsible rail-to-rail.

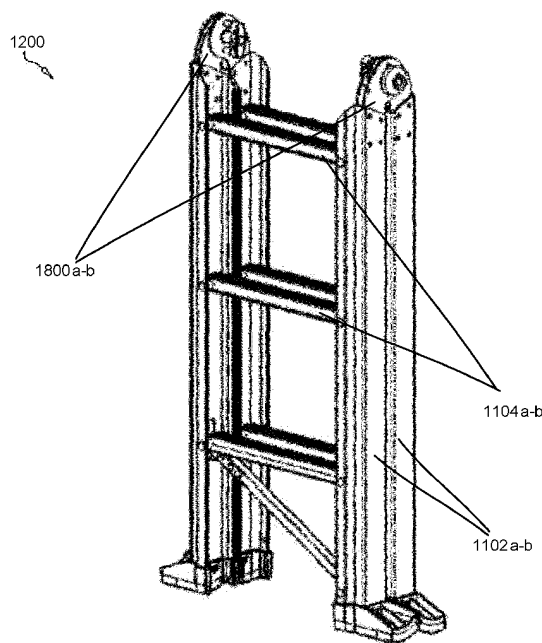


FIG. 2



## EUROPEAN SEARCH REPORT

Application Number

EP 24 15 0659

## 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	CN 101 446 176 A (WANXING WANG [CN]) 3 June 2009 (2009-06-03) * Translation; paragraph [0001] - paragraph [0027]; figures *	1-12	INV. E06C1/383 E06C1/387 E06C9/08 E06C7/08 E06C1/18
A	JP S63 192597 U (YANAGINOCHO NISHI) 12 December 1988 (1988-12-12) * figures *	1-12	
			TECHNICAL FIELDS SEARCHED (IPC)
			E06C E05C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		4 April 2024	López-García, G
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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**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 - 12

☐ 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:

**1. claims: 1-12**

a locking bar slidably coupled to the locking rung within the track

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**2. claims: 13-15**

a user-operated actuator moving in an upward axial direction to cause the second side rail to lift and fold toward the first side rail

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

EP 24 15 0659

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  
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04 - 04 - 2024

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
	CN 101446176 A	03-06-2009	NONE	
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15	JP S63192597 U	12-12-1988	JP H0512480 Y2	30-03-1993
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82