



EUROPEAN SEARCH REPORT

Application Number

EP 23 19 2504

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DOCUMENTS CONSIDERED TO BE RELEVANT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2014/310867 A1 (LOPES SOUZA MARCO AURELIO [BR]) 23 October 2014 (2014-10-23)	1,3,4,6-8,14,15	INV. E04H4/06 E04H4/12
Y	* page 2, left-hand column, line 6 -	10-13	
A	right-hand column, line 17; figures 1-4 * -----	2,5,9	
Y	US 3 242 503 A (LEONARD RUSSO) 29 March 1966 (1966-03-29) * column 2, line 14 - column 3, line 46; figures 1-4 * -----	10,11	
Y	US 5 390 377 A (BLOUGH MARK W [US]) 21 February 1995 (1995-02-21) * column 3, line 29 - line 57; figures 1-4 * -----	12,13	
A	FR 3 001 246 A1 (TECHNO POOL [FR]) 25 July 2014 (2014-07-25) * abstract; figures 1-7 * -----	1,14,15	
			TECHNICAL FIELDS SEARCHED (IPC)
			E04H

The present search report has been drawn up for all claims

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Place of search Munich	Date of completion of the search 30 July 2024	Examiner Stefanescu, Radu
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EPO FORM 1503 03.82 (F04C01)

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

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

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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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30-07-2024

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		US 2014310867 A1	23-10-2014
		WO 2012116420 A1	07-09-2012

US 3242503 A	29-03-1966	NONE	

US 5390377 A	21-02-1995	NONE	

FR 3001246 A1	25-07-2014	NONE	

EPO FORM P0459

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