



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 18 78 77 64

### Classification of the application (IPC):

**B65H 51/16, B25J 19/06, B65H 67/08, D01D 7/00, D02J 1/22, B65H 54/26, B65H 54/70**

### Technical fields searched (IPC):

D01D, B65H

### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y A	US 2009049669 A1 (LENNEMANN FRIEDRICH [DE] ET AL) 26 February 2009 (2009-02-26) * paragraphs [0023], [0024], [0053]; figures 3,4 *	1-9, 12-21 10, 11
Y	WO 2015198698 A1 (TMT MACHINERY INC [JP]) 30 December 2015 (2015-12-30) * figures 6-14 *	1-9, 12-21
Y	WO 2012140009 A1 (OERLIKON TEXTILE GMBH & CO KG [DE]; SAUER ARNULF [DE] ET AL.) 18 October 2012 (2012-10-18) * page 11, line 28 - page 12, line 2; claims 1-4; figure 3 *	1-9, 12-21
Y	JP S5369543 U (TEIJIN LTD.) 10 June 1978 (1978-06-10) * figure 1 *	1-9, 12-21
Y	DE 102012011122 A1 (SAURER GERMANY GMBH & CO KG [DE]) 05 December 2013 (2013-12-05) * paragraphs [0007] - [0013], [0027] - [0032]; figure 1 *	1-9, 12-21
Y	WO 2008058606 A1 (OERLIKON TEXTILE GMBH & CO KG [DE]; COENEN NORBERT [DE] ET AL.) 22 May 2008 (2008-05-22) * page 5, paragraph 2 - page 6, paragraph 2 *	1-9, 12-21

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 23 November 2020	Examiner Pussemier, Bart
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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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 23-11-2020  
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