



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 15 90 18 84

Classification of the application (IPC):
D01H 4/08, D01H 4/32, D01H 4/44

Technical fields searched (IPC):
D01H

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A,D	CN 103938322 A (UNIV JIAXING) 23 July 2014 (2014-07-23) * the whole document *	1-15
A	CN 104790074 A (UNIV JIANGNAN) 22 July 2015 (2015-07-22) * claims 1-10; figures 1-3 *	1-15
A	EP 1564318 A2 (SAURER CZECH A S [CZ]) 17 August 2005 (2005-08-17) * paragraph [0015] - paragraph [0019] * * figure 1 *	1-15
A	EP 1352998 A2 (RIETER INGOLSTADT SPINNEREI [DE]) 15 October 2003 (2003-10-15) * paragraph [0006] - paragraph [0020] * * paragraph [0022] - paragraph [0035] * * figure 1 *	1-15

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 Munich	Date of completion of the search 21 June 2018	Examiner Hausding, Jan
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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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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
CN 103938322	A	23-07-2014	NONE		
CN 104790074	A	22-07-2015	NONE		
EP 1564318	A2	17-08-2005	CN	1657669 A	24-08-2005
			CZ	300469 B6	27-05-2009
			EP	1564318 A2	17-08-2005
EP 1352998	A2	15-10-2003	DE	10215453 A1	23-10-2003
			EP	1352998 A2	15-10-2003

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

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