



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 89 47 54

Classification of the application (IPC):
D03D 37/00, D03D 3/02, D03D 19/00, D03C 7/02

Technical fields searched (IPC):
D03D, D03C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	AT 386847 B (CHEMIEFASER LENZING AG [AT])	10
Y	25 October 1988 (1988-10-25)	11
A	* page 2, line 36 - page 4, line 26 * * figures 1, 2 *	1-9
X	DE 10231066 A1 (CETEX CHEMNITZER TEXTILMASCHIN [DE])	10
A	22 January 2004 (2004-01-22) * paragraph [0014] - paragraph [0022] * * figures 1-6 *	1-9, 11
X	US 4846229 A (STARLINGER-HUEMER FRANZ X [AT])	10
Y	11 July 1989 (1989-07-11)	11
A	* figures 1-11 * * column 2, line 46 - column 5, line 47 *	1-9
Y	CH 657163 A5 (HUEMER FRANZ XAVER) 15 August 1986 (1986-08-15) * page 3, column 1, line 47 - page 4, column 2, line 4 *	11
Y	CN 202644031 U (LUO ZHONGGAO) 02 January 2013 (2013-01-02) * the whole document *	11

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 06 November 2023	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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EP 20 89 47 54

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 06-11-2023
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
AT 386847	B	25-10-1988	NONE		
DE 10231066	A1	22-01-2004	NONE		
US 4846229	A	11-07-1989	AT	E99745 T1	15-01-1994
			BR	8706086 A	14-06-1988
			CH	671043 A5	31-07-1989
			CN	87107869 A	25-05-1988
			EP	0267509 A2	18-05-1988
			IN	167868 B	29-12-1990
			JP	S63135541 A	07-06-1988
			KR	880006397 A	22-07-1988
			PT	86103 A	15-12-1988
			TR	26921 A	24-08-1994
			US	4846229 A	11-07-1989
CH 657163	A5	15-08-1986	AT	375098 B	25-06-1984
			BR	8303275 A	07-02-1984
			CH	657163 A5	15-08-1986
			CS	245786 B2	16-10-1986
			DE	3321850 A1	16-02-1984
			FR	2528881 A1	23-12-1983
			GB	2123445 A	01-02-1984
			IN	160082 B	27-06-1987
			IT	1194278 B	14-09-1988
			JP	S599240 A	18-01-1984
			JP	H0375652 B2	02-12-1991
			PT	76906 A	01-07-1983
CN 202644031	U	02-01-2013	NONE		