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(11) **EP 1 061 284 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
19.02.2003 Bulletin 2003/08

(51) Int Cl.7: **F16F 15/00**

(43) Date of publication A2:
20.12.2000 Bulletin 2000/51

(21) Application number: **00111144.2**

(22) Date of filing: **24.05.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **31.05.1999 CZ 190999**

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(54) **A method of reducing vibrations and forces in shed and other mechanisms of weaving looms**

(57) A method of reducing vibrations and forces in shed and other mechanisms of weaving looms comprising a cam mechanism, consisting in modifying the stroke function of the cams of the mechanism in such a manner that the mechanism moves at a non-constant angular

velocity of the drive shaft of the cam mechanism in the same manner as has been proposed for a constant angular velocity of the drive shaft of the cam mechanism.

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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 1144

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 0 010 267 A (MICHELIN VINCENZO) 30 April 1980 (1980-04-30) * abstract * * page 1, line 4-8 * * page 2, line 26 - page 3, line 8 * * page 6, line 1-23 * * figures 1-4 *	1	F16F15/00
A	CH 558 435 A (GROB & CO AG) 31 January 1975 (1975-01-31) * column 1, line 9-23 * * figures 1,2 *	1	
A	EP 0 870 856 A (RUETI AG MASCHF) 14 October 1998 (1998-10-14) * column 1, line 3-19 * * column 2, line 37-51 * * figure 1 *	1	
A	US 5 755 267 A (BERKTOLD KLAUS ET AL) 26 May 1998 (1998-05-26) * abstract * * column 1, line 26-54 *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	US 3 322 158 A (ERWIN PFARRWALLER) 30 May 1967 (1967-05-30) * column 3, line 53 - column 4, line 24 * * column 6, line 61-75; figures 1-5 *	1	F16F D03C
A	GB 1 065 952 A (SULZER AG) 19 April 1967 (1967-04-19) * column 1, line 43 - column 2, line 76 *	1	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 19 December 2002	Examiner Fritzen, C
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			

EPO FORM 1503 03 82 (P04C01)

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

EP 00 11 1144

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19-12-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0010267	A	30-04-1980	IT 1099402 B	18-09-1985
			EP 0010267 A2	30-04-1980
			JP 55063032 A	12-05-1980
CH 558435	A	31-01-1975	NONE	
EP 0870856	A	14-10-1998	EP 0870856 A1	14-10-1998
US 5755267	A	26-05-1998	EP 0799920 A1	08-10-1997
			DE 59607360 D1	30-08-2001
			JP 9273048 A	21-10-1997
US 3322158	A	30-05-1967	NONE	
GB 1065952	A	19-04-1967	CH 416486 A	30-06-1966
			AT 259472 B	10-01-1968
			DE 1535244 A1	02-10-1969

EPO FORM P0459

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