(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 3 098 338 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
11.01.2017 Bulletin 2017/02

(43) Date of publication A2:
30.11.2016 Bulletin 2016/48

(21) Application number: **16169465.8**

(22) Date of filing: **12.05.2016**

(51) Int Cl.:
D03D 47/27 *(2006.01)*

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
MA MD

(30) Priority: **26.05.2015 IT UB20150706**

(71) Applicant: **ITEMA S.p.A.**
24020 Colzate (BG) (IT)

(72) Inventors:
- **RABOLINI, Fabio**
  24020 Colzate Bergamo (IT)
- **PREVITALI, Giancarlo**
  24020 Colzate Bergamo (IT)
- **MORANDI, Fabrizio**
  24020 Colzate Bergamo (IT)
- **BRIGNOLI, Bruno**
  24020 Colzate Bergamo (IT)

(74) Representative: **Faggioni, Marco et al**
Fumero S.r.l.
Pettenkoferstrasse 20/22
80336 München (DE)

(54) REED FOR AIR WEAVING LOOMS

(57) Reed for air weaving looms comprising a plurality of side-by-side dents, each dent being provided with a wide central recess (C), which separates an upper portion from a lower portion of the dent, for forming the reed launching channel, said central recess (C) being limited at least by a lower wall (L2), a bottom wall (L3), an upper wall (L4), two inner curved arcuate connecting surfaces (R2, R3) which connect said walls to each other and an outer arcuate connecting surface (R1) which connects said lower wall (L2) to the outer wall (L1) of said lower portion of the dent. One end of the outer arcuate connecting surface (R1) is tangential to said lower wall (L2) and its other end forms an angle other than 0° with said lower outer wall (L1) of the dent.

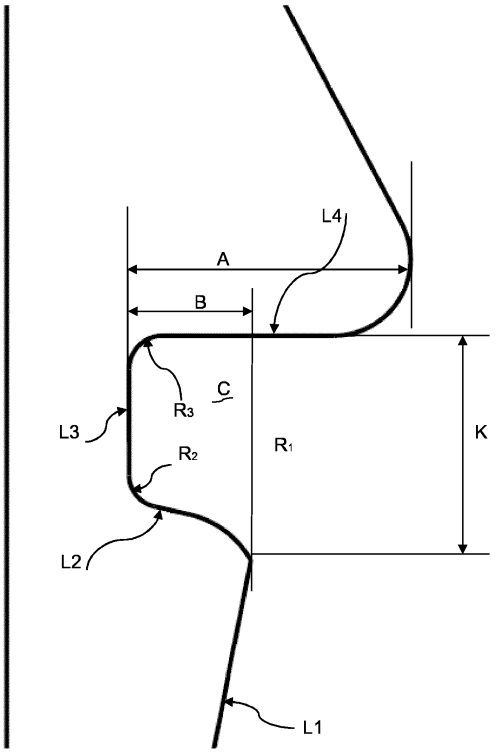

FIG. 4

EP 3 098 338 A3

Europäisches Patentamt
European Patent Office
Office européen des brevets

EUROPEAN SEARCH REPORT

Application Number
EP 16 16 9465

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A,D	EP 2 455 520 A2 (TOYOTA JIDOSHOKKI KK [JP]) 23 May 2012 (2012-05-23) * paragraph [0024]; figures 1-4 * * abstract *	1-5	INV. D03D47/27
A,D	EP 0 691 430 A1 (TOYODA AUTOMATIC LOOM WORKS [JP]; TOYODA CHUO KENKYUSHO KK [JP]) 10 January 1996 (1996-01-10) * column 8, lines 28-56; figure 3 * * abstract *	1-5	
A	WO 00/61846 A1 (TAKAYAMA REED CO LTD [JP]; KATO TAKATSUGU [JP]; MIYAMUKAI CHITOSHI [JP]) 19 October 2000 (2000-10-19) * abstract; figures 18-21 *	1-5	

TECHNICAL FIELDS SEARCHED (IPC)

D03D

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	5 December 2016	Louter, Petrus

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 16 16 9465

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

05-12-2016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2455520 A2	23-05-2012	CN 102534954 A	04-07-2012
		EP 2455520 A2	23-05-2012
		JP 5573629 B2	20-08-2014
		JP 2012112061 A	14-06-2012
EP 0691430 A1	10-01-1996	CN 1120085 A	10-04-1996
		DE 69502544 D1	25-06-1998
		DE 69502544 T2	26-11-1998
		EP 0691430 A1	10-01-1996
		JP 3366490 B2	14-01-2003
		JP H0874143 A	19-03-1996
		TW 302913 U	11-04-1997
		US 5588470 A	31-12-1996
WO 0061846 A1	19-10-2000	NONE	

EPO FORM P0459

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