



US00D787128S

(12) **United States Design Patent** (10) **Patent No.:** **US D787,128 S**
Butz (45) **Date of Patent:** **** May 16, 2017**

(54) **INTERDENTAL CLEANER**
(71) Applicant: **INTERBROS GMBH**, Schönau (DE)
(72) Inventor: **Jürgen Butz**, Schönau (DE)
(73) Assignee: **INTERBROS GMBH**, Schönau (DE)
(**) Term: **15 Years**
(21) Appl. No.: **35/500,137**
(22) Filed: **Aug. 11, 2015**

(80) **Hague Agreement Data**
Int. Filing Date: **Aug. 11, 2015**
Int. Reg. No.: **DM/087426**
Int. Reg. Date: **Aug. 11, 2015**
Int. Reg. Pub. Date: **Sep. 18, 2015**

(30) **Foreign Application Priority Data**
Feb. 13, 2015 (EM) 001430102-0001
Feb. 13, 2015 (EM) 001430102-0002
(Continued)

(51) **LOC (10) CL.** **28-03**
(52) **U.S. CL.**
USPC **D28/65**
(Continued)

(58) **Field of Classification Search**
USPC D28/65-68; D24/152; 433/141-147;
132/322-329
(Continued)

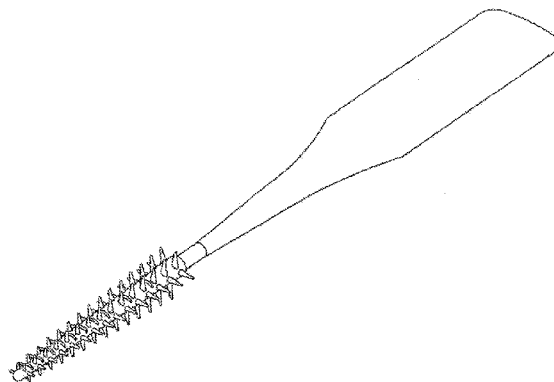
(56) **References Cited**
U.S. PATENT DOCUMENTS
6,085,761 A * 7/2000 Inaba A61C 15/02
132/329
D521,737 S * 5/2006 Siemer D28/65
(Continued)

Primary Examiner — Richard E Chilcot
(74) *Attorney, Agent, or Firm* — McGlew and Tuttle, P.C.

(57) **CLAIM**
The ornamental design for an interdental cleaner, as shown and described.

DESCRIPTION
FIG. 1.1 is a perspective view of my design;
FIG. 1.2 is a front view of the design of FIG. 1.1;
FIG. 1.3 is a rear view of the design of FIG. 1.1;
FIG. 1.4 is a top view of the design of FIG. 1.1;
FIG. 1.5 is a bottom view of the design of FIG. 1.1;
FIG. 1.6 is a left view of the design of FIG. 1.1;
FIG. 1.7 is a right view of the design of FIG. 1.1;
FIG. 2.1 is a perspective view of another design;
FIG. 2.2 is a front view of the design of FIG. 2.1;
FIG. 2.3 is a rear view of the design of FIG. 2.1;
FIG. 2.4 is a top view of the design of FIG. 2.1;
FIG. 2.5 is a bottom view of the design of FIG. 2.1;
FIG. 2.6 is a left view of the design of FIG. 2.1;
FIG. 2.7 is a right view of the design of FIG. 2.1;
FIG. 3.1 is a perspective view of another design;
FIG. 3.2 is a front view of the design of FIG. 3.1;
FIG. 3.3 is a rear view of the design of FIG. 3.1;
FIG. 3.4 is a top view of the design of FIG. 3.1;
FIG. 3.5 is a bottom view of the design of FIG. 3.1;
FIG. 3.6 is a left view of the design of FIG. 3.1;
FIG. 3.7 is a right view of the design of FIG. 3.1;
FIG. 4.1 is a perspective view of my design;
FIG. 4.2 is a front view of the design of FIG. 4.1;
FIG. 4.3 is a rear view of the design of FIG. 4.1;
FIG. 4.4 is a top view of the design of FIG. 4.1;
FIG. 4.5 is a bottom view of the design of FIG. 4.1;
FIG. 4.6 is a left view of the design of FIG. 4.1;
FIG. 4.7 is a right view of the design of FIG. 4.1;
FIG. 8.1 is a perspective view of another design;
FIG. 8.2 is a front view of the design of FIG. 8.1;
FIG. 8.3 is a rear view of the design of FIG. 8.1;
FIG. 8.4 is a top view of the design of FIG. 8.1;
FIG. 8.5 is a bottom view of the design of FIG. 8.1;
FIG. 8.6 is a left view of the design of FIG. 8.1;
FIG. 8.7 is a right view of the design of FIG. 8.1;
FIG. 12.1 is a perspective view of another design;
FIG. 12.2 is a front view of the design of FIG. 12.1;
FIG. 12.3 is a rear view of the design of FIG. 12.1;
FIG. 12.4 is a top view of the design of FIG. 12.1;
FIG. 12.5 is a bottom view of the design of FIG. 12.1;
FIG. 12.6 is a left view of the design of FIG. 12.1; and,
FIG. 12.7 is a right view of the design of FIG. 12.1.

1 Claim, 42 Drawing Sheets



(30) **Foreign Application Priority Data**

Feb. 13, 2015	(EM)	001430102-0003
Feb. 13, 2015	(EM)	001430102-0004
Feb. 27, 2015	(EM)	001430771-0001
Feb. 27, 2015	(EM)	001430771-0002
Feb. 27, 2015	(EM)	001430771-0003
Feb. 27, 2015	(EM)	001430771-0004
Feb. 27, 2015	(EM)	001430771-0005
Feb. 27, 2015	(EM)	001430771-0006
Feb. 27, 2015	(EM)	001430771-0007
Feb. 27, 2015	(EM)	001430771-0008

- (52) **U.S. Cl.**
 CPC *A61C 15/04* (2013.01)
- (58) **Field of Classification Search**
 CPC A61C 15/04
 See application file for complete search history.

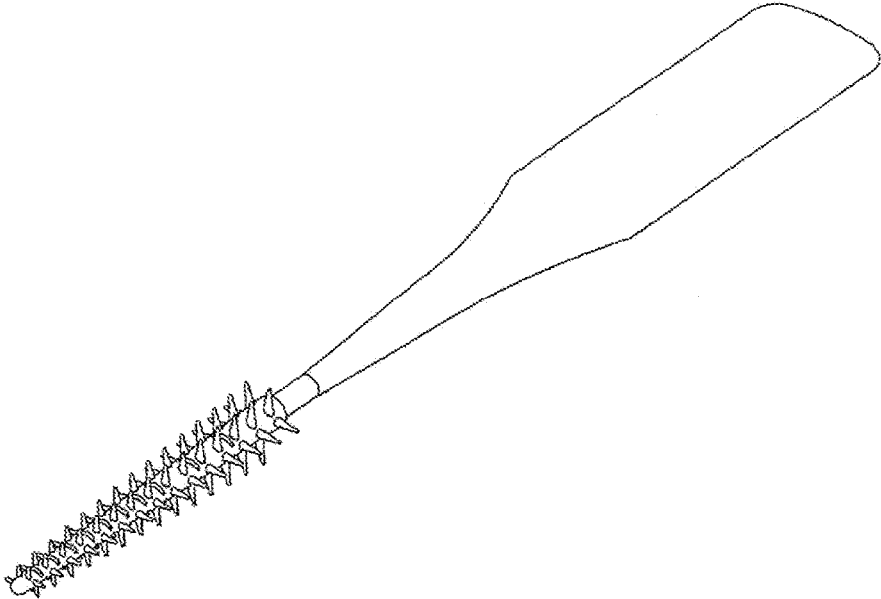
(56) **References Cited**

U.S. PATENT DOCUMENTS

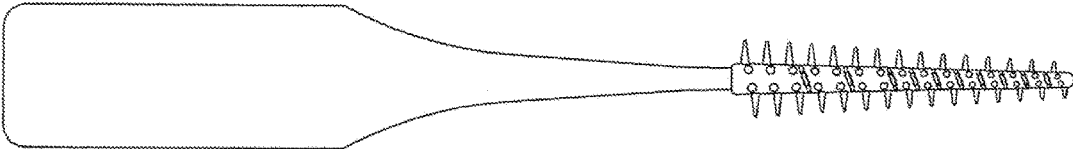
D536,529	S *	2/2007	Antler	D4/111
D594,984	S *	6/2009	Crossman	D24/152
D596,751	S *	7/2009	Elbaz	D24/214
D674,610	S *	1/2013	Eatherton	D4/111
D682,556	S *	5/2013	Uresti	D4/128
D744,756	S *	12/2015	Kato	D4/104
D752,221	S *	3/2016	Trottier	D24/152
D756,125	S *	5/2016	Hsu	D4/111
D757,440	S *	5/2016	Butz	D4/111
D763,578	S *	8/2016	Kato	D4/111
D764,104	S *	8/2016	Wallstrom	D28/65
2010/0024839	A1 *	2/2010	Kalbfeld	A46B 1/00 132/329
2011/0041271	A1 *	2/2011	Huang	A46B 5/02 15/167.1

* cited by examiner

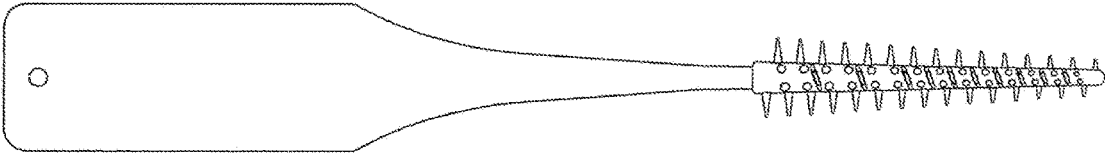
1.1



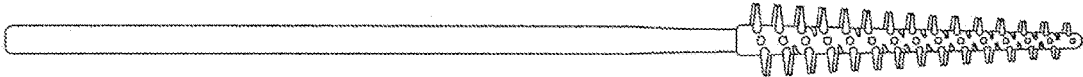
1.2



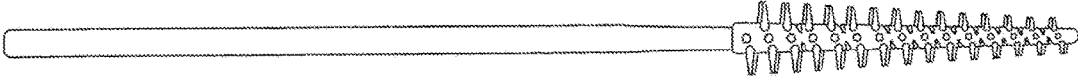
1.3



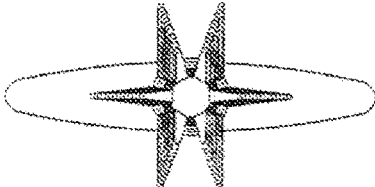
1.4



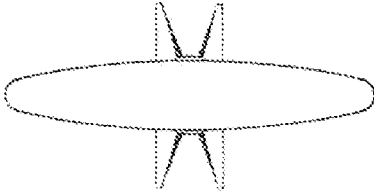
1.5



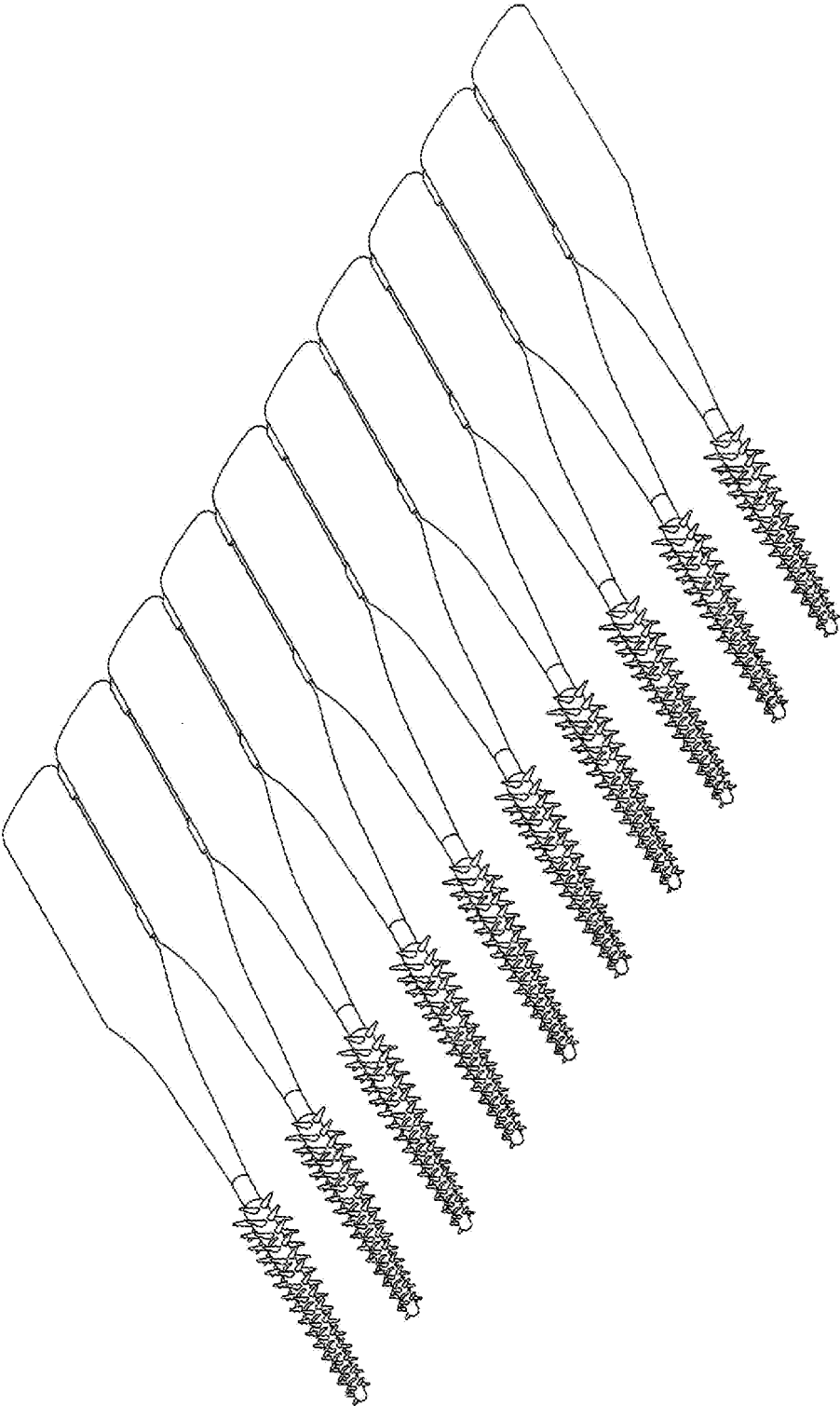
1.6



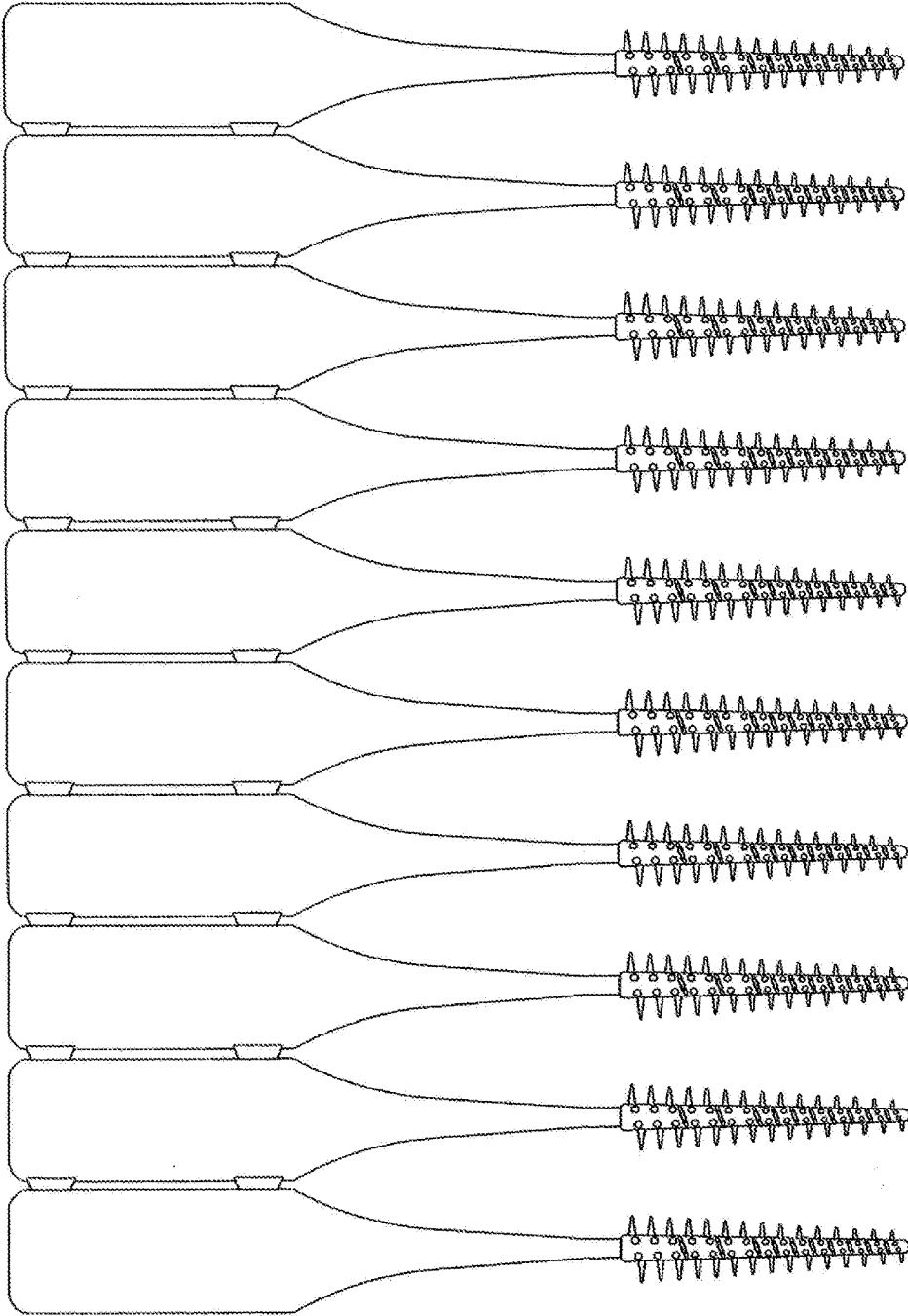
1.7



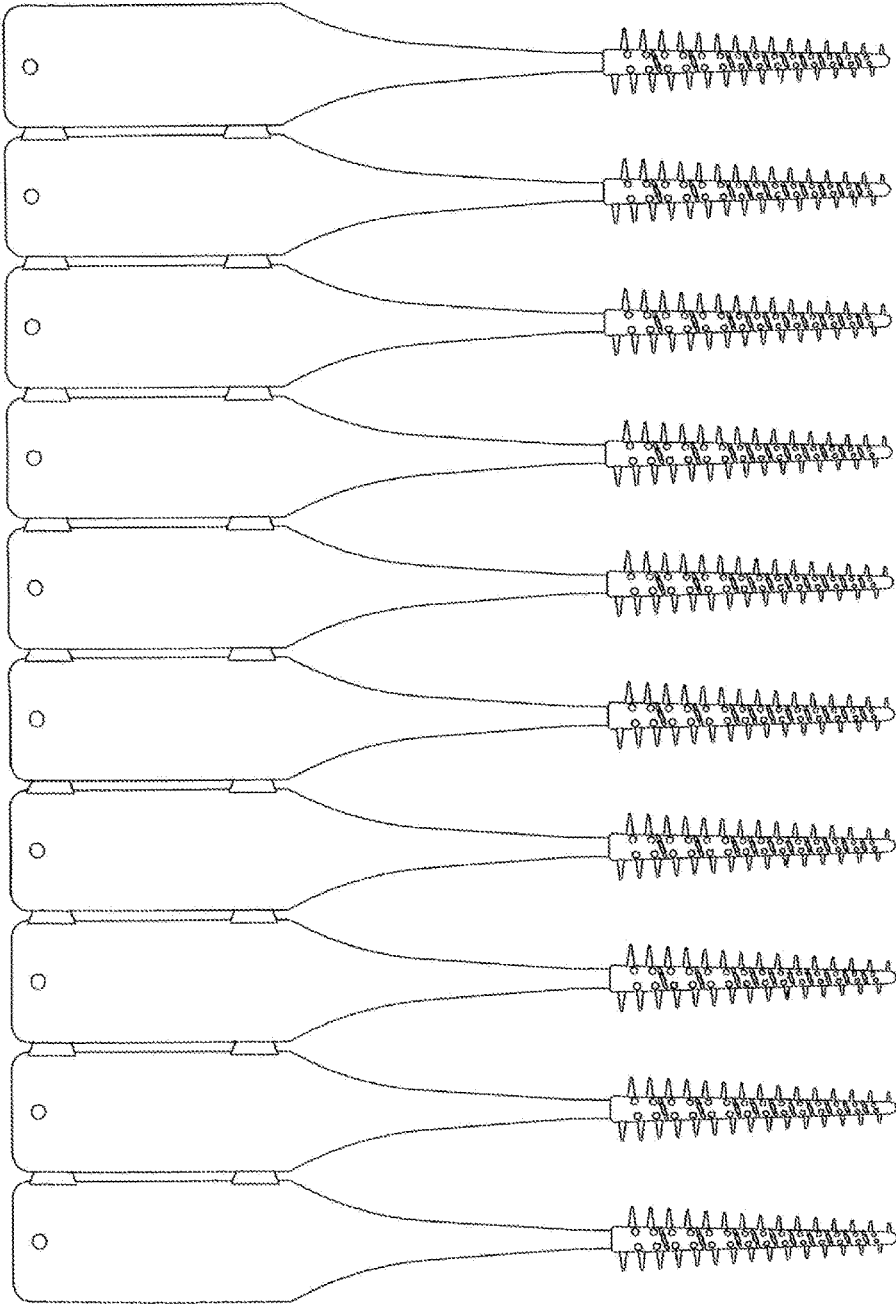
2.1



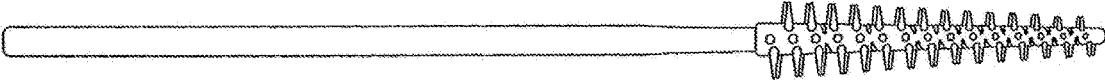
2.2



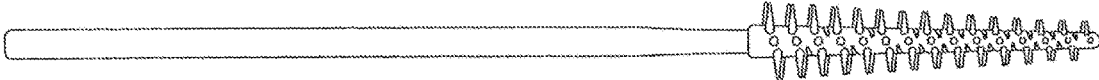
2.3



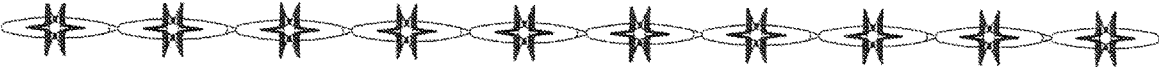
2.4



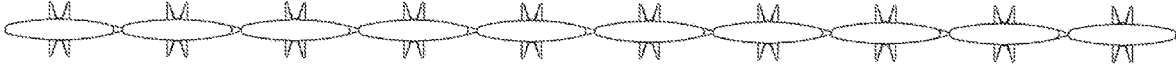
2.5



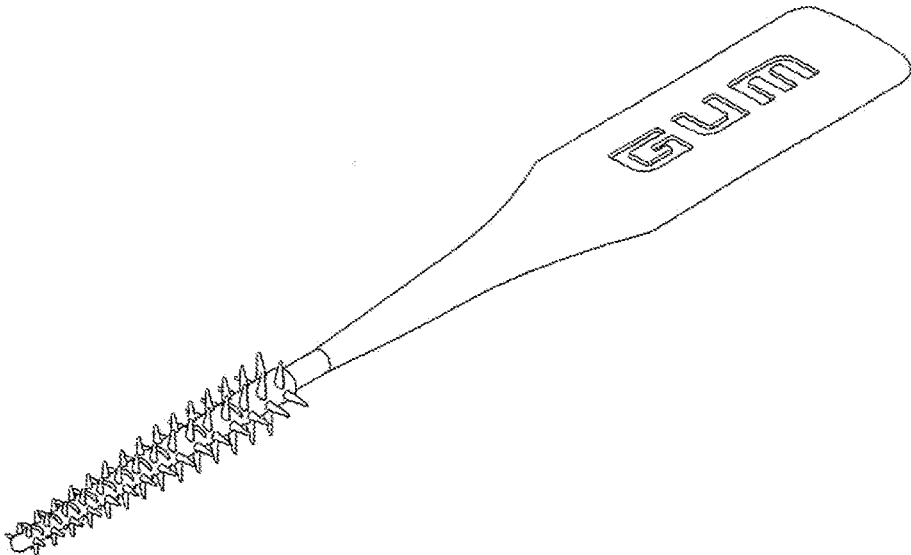
2.6



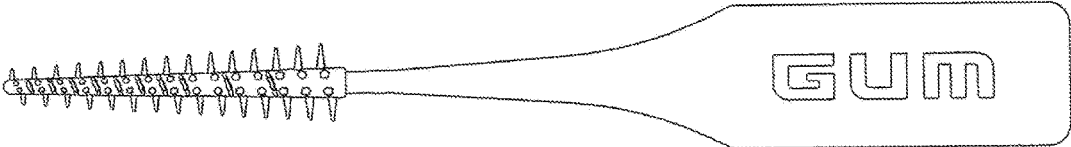
2.7



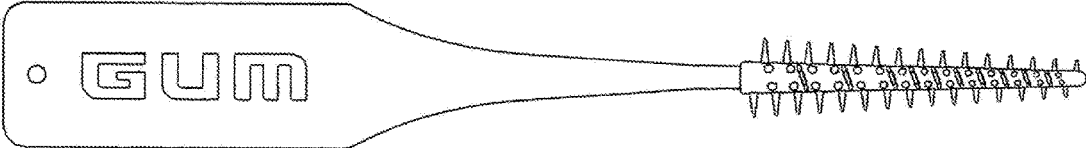
3.1



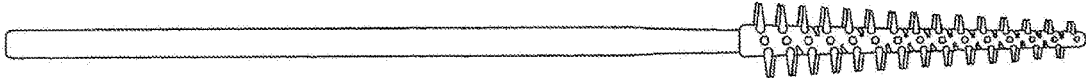
3.2



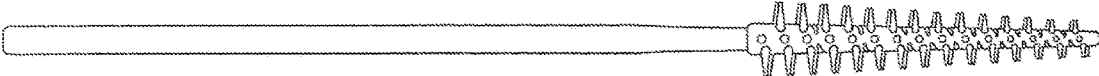
3.3



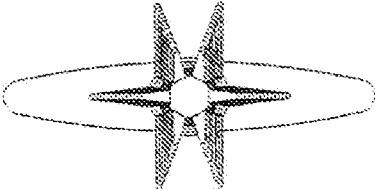
3.4



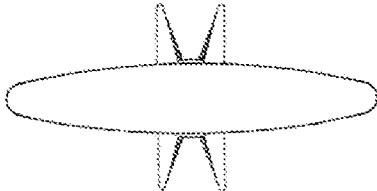
3.5



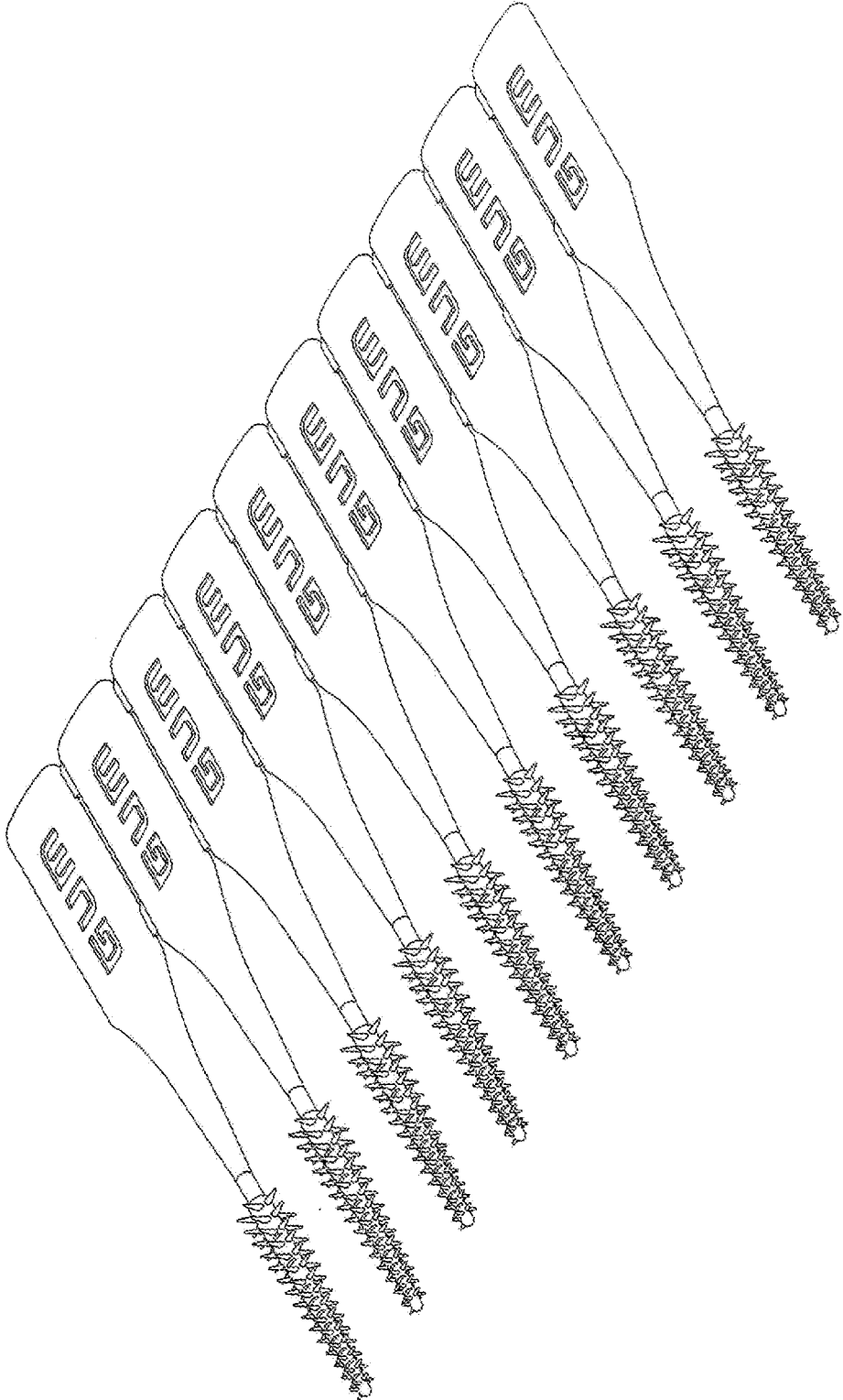
3.6



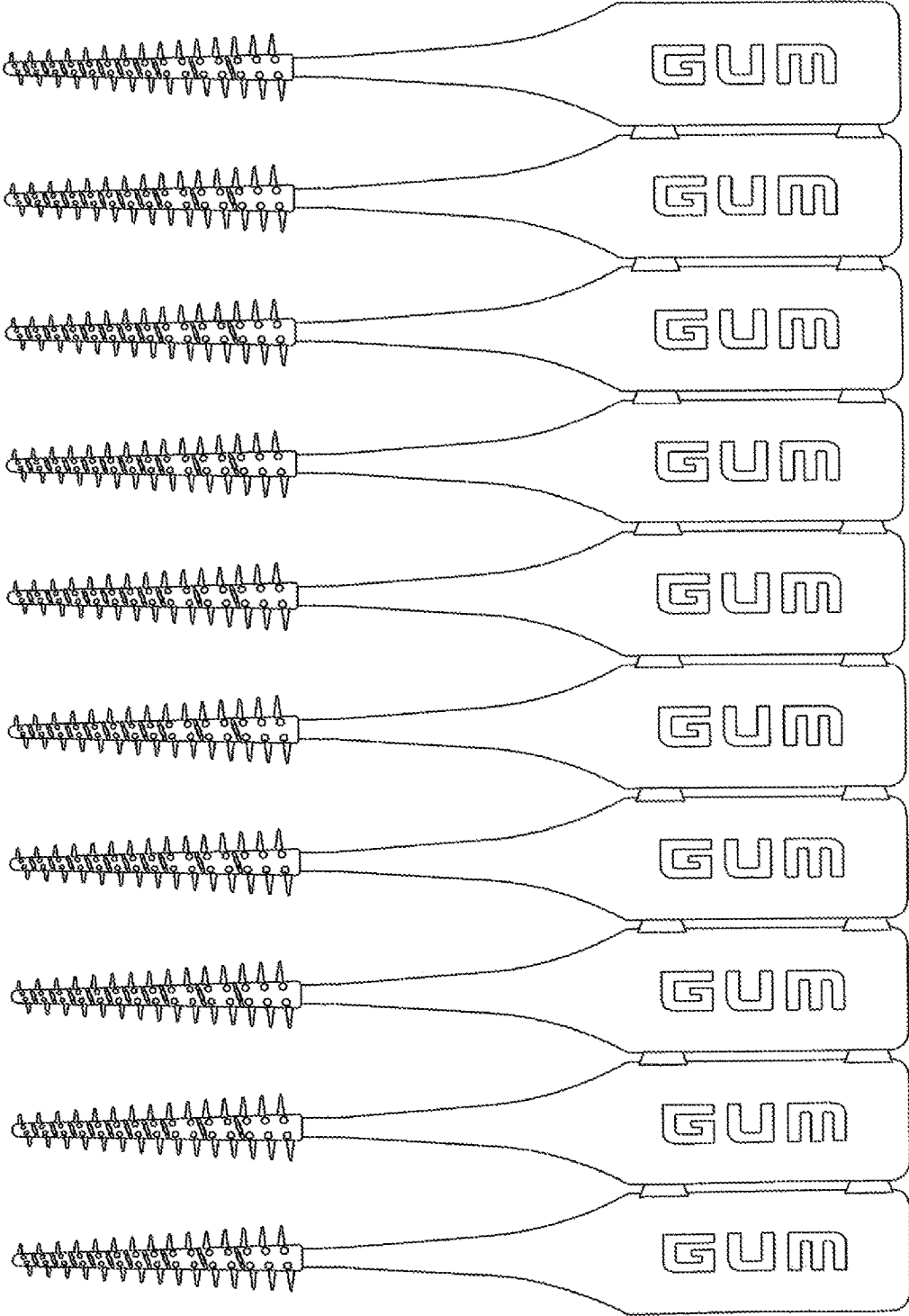
3.7



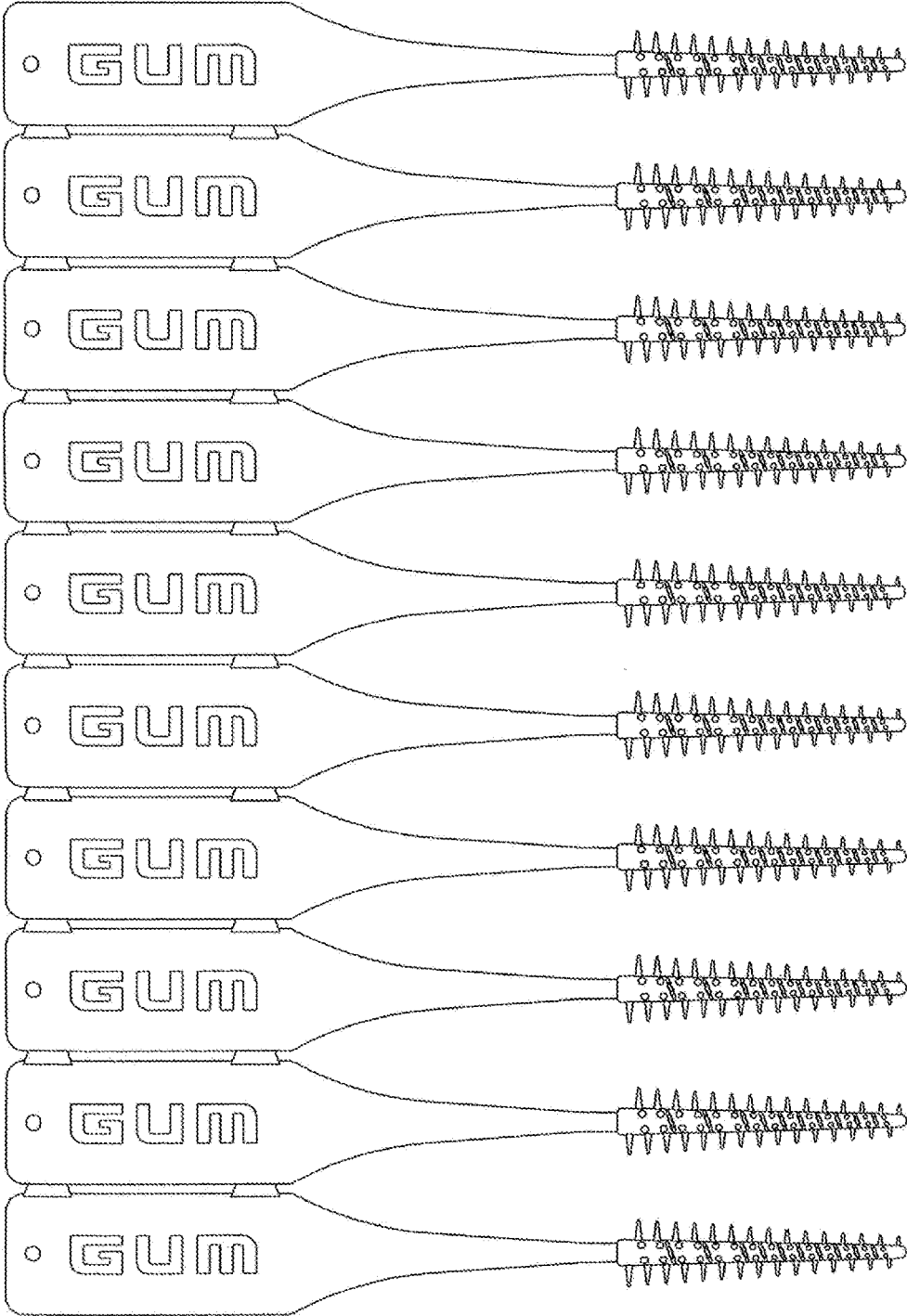
4.1



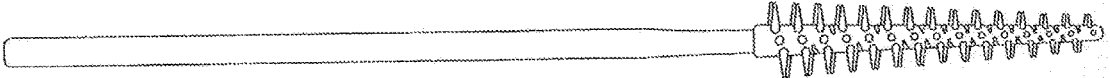
4.2



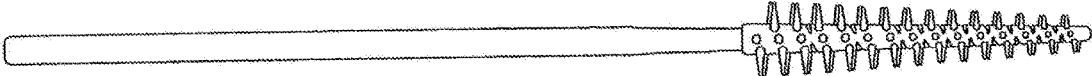
4.3



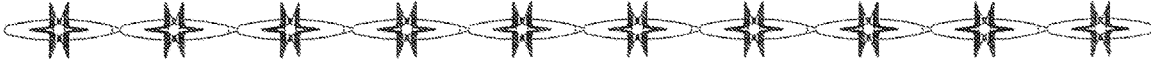
4.4



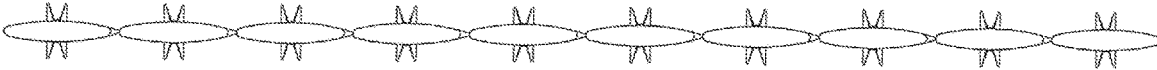
4.5



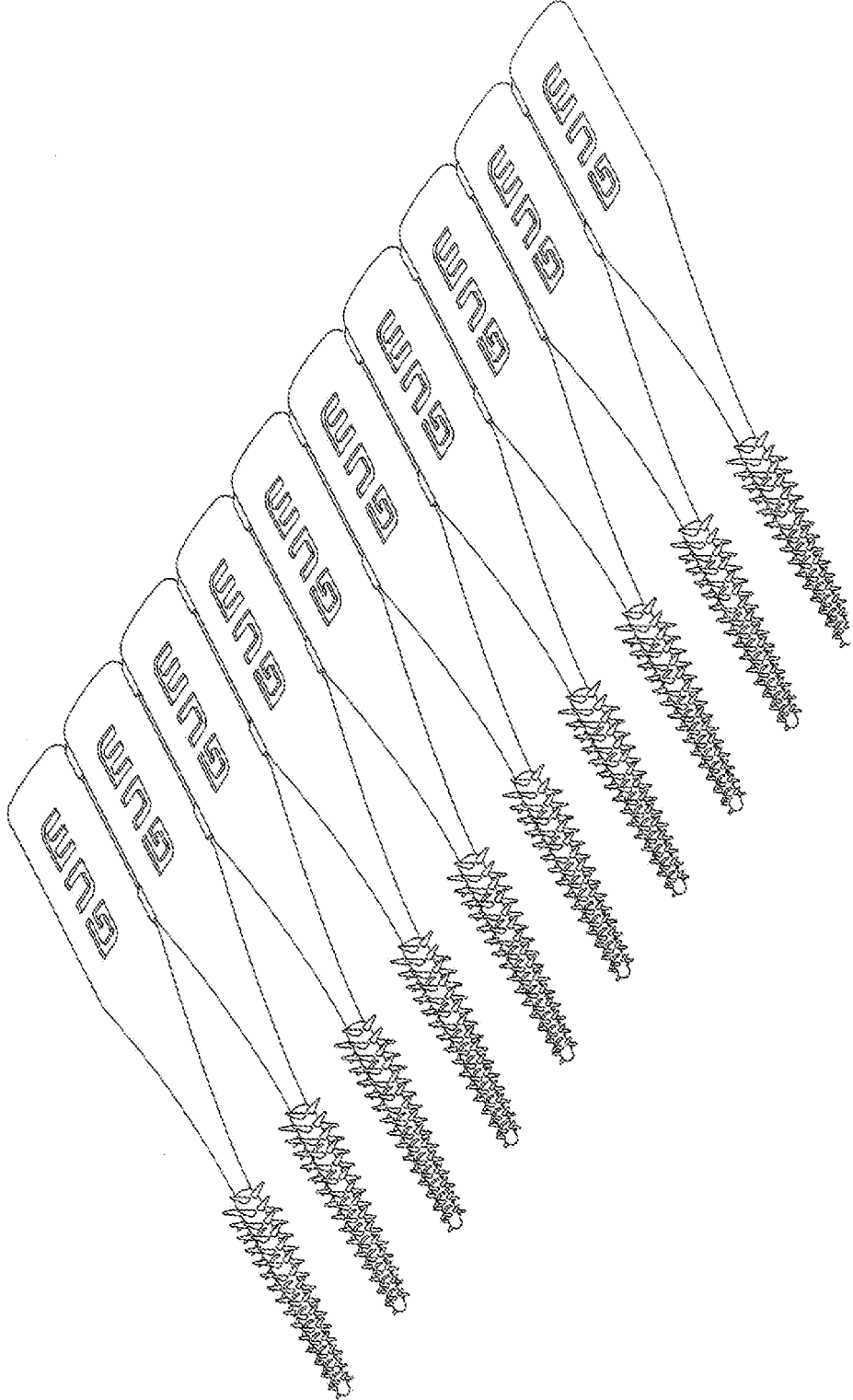
4.6



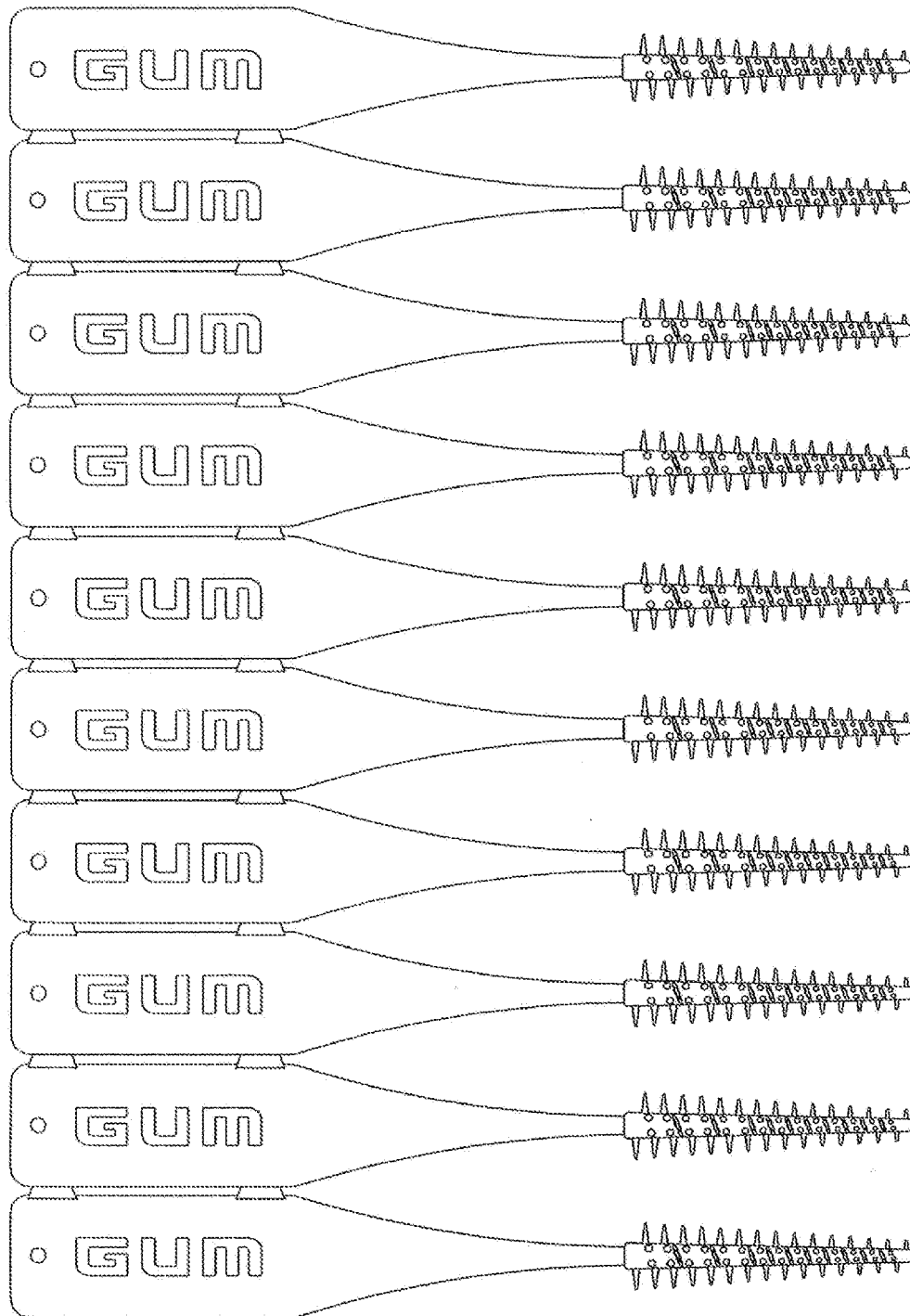
4.7



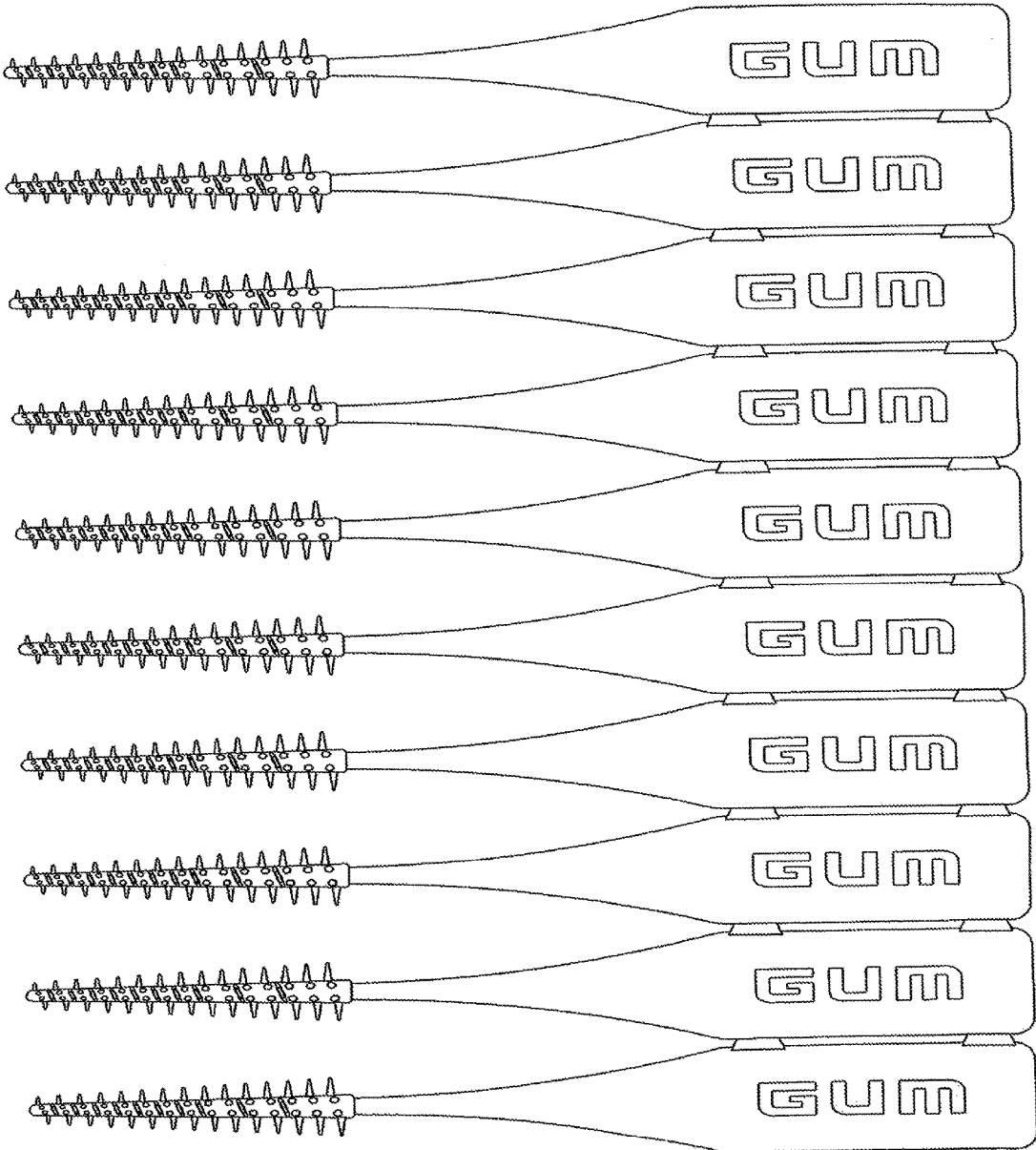
8.1



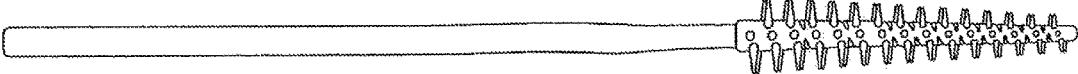
8.2



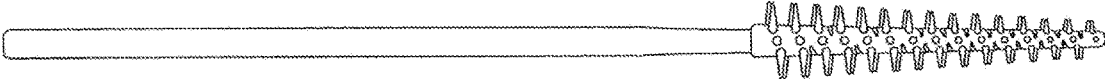
8.3



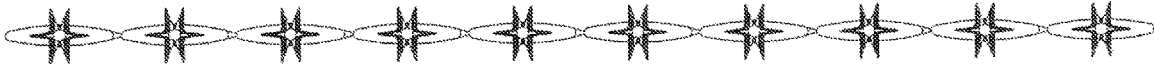
8.4



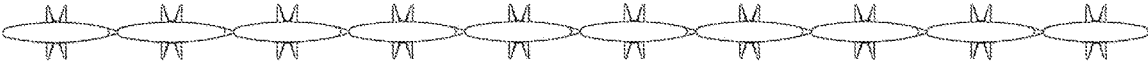
8.5



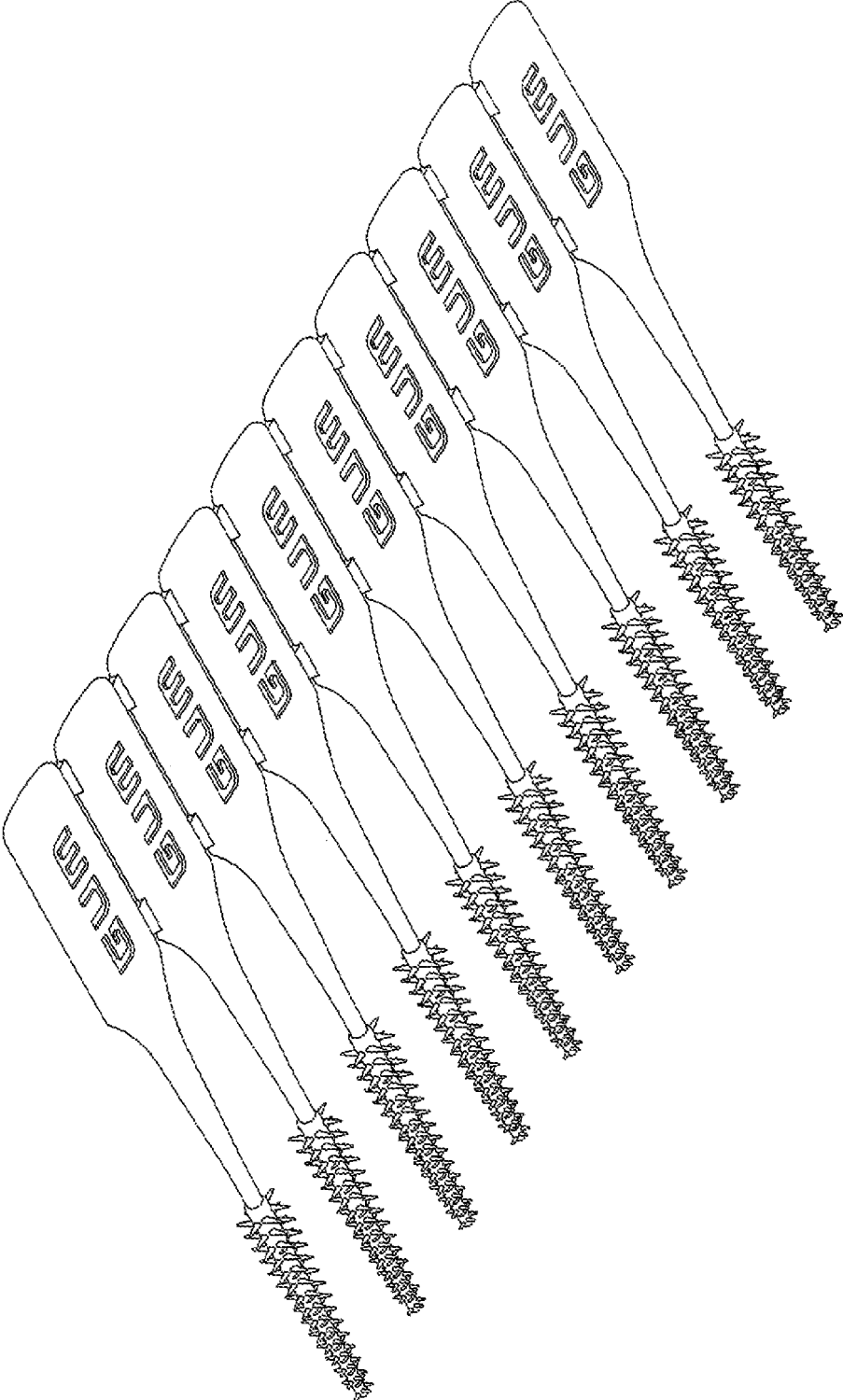
8.6



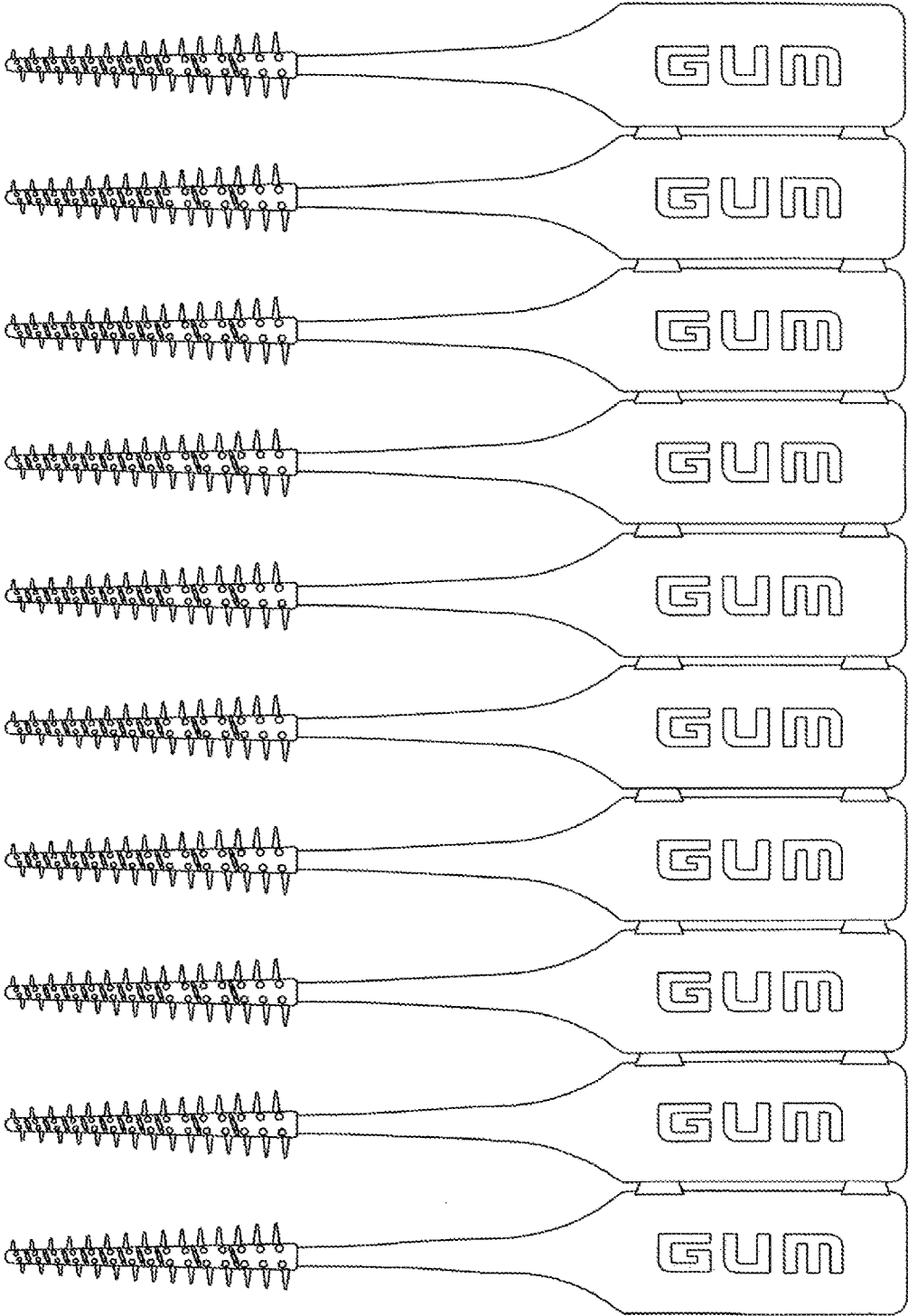
8.7



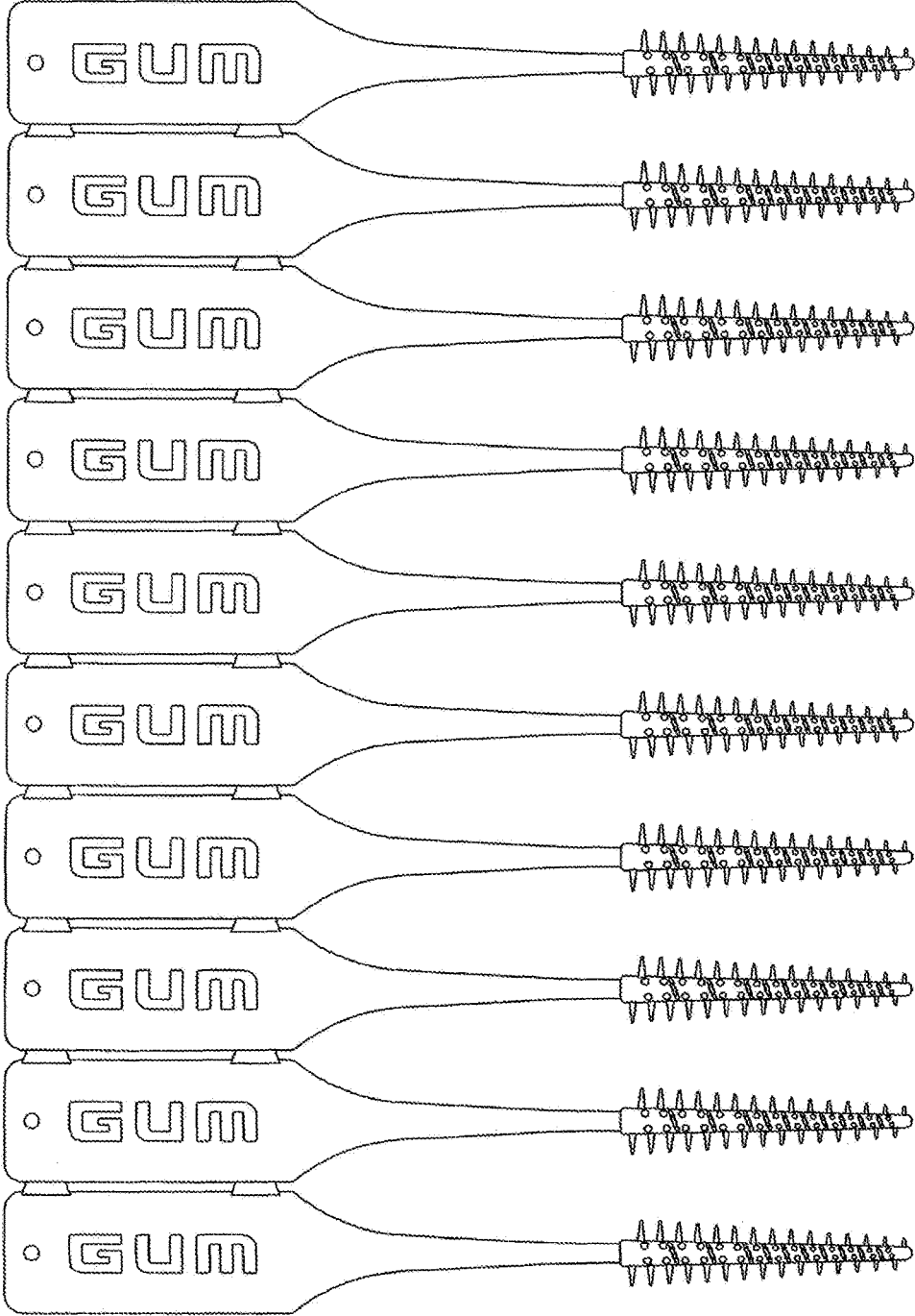
12.1



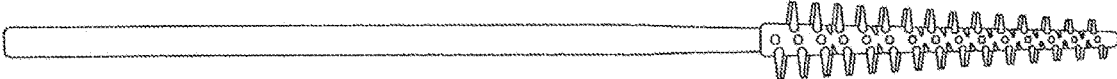
12.2



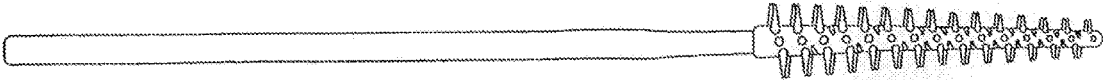
12.3



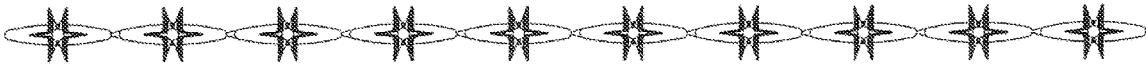
12.4



12.5



12.6



12.7

