



US00D784531S

(12) **United States Design Patent** (10) **Patent No.:** **US D784,531 S**
Malcolm et al. (45) **Date of Patent:** **** Apr. 18, 2017**

(54) **DENTAL RETRACTOR**
(71) Applicant: **Helping Hand, LLC**, San Clemente, CA (US)
(72) Inventors: **Roger Malcolm**, San Clemente, CA (US); **Bruce Crispin**, San Clemente West Hills, CA (US); **Kristi Ann Crispin-Blas**, Westlake, CA (US)

5,743,853 A * 4/1998 Lauderdale A61B 17/02 600/210
D522,140 S * 5/2006 Stalcup D24/135
D580,053 S * 11/2008 Huether D24/135
D586,914 S * 2/2009 DaSilva D24/135
D610,311 S * 2/2010 Campbell D28/91.2
D628,291 S * 11/2010 Palmer D24/135
D683,854 S * 6/2013 Lowe D24/142
D688,009 S * 8/2013 Mahoney, Jr. D28/91.2
2007/0082319 A1 * 4/2007 Fletcher A61C 5/14 433/140

(**) Term: **15 Years**

(21) Appl. No.: **29/505,694**

(22) Filed: **Jan. 11, 2016**

Related U.S. Application Data

(62) Division of application No. 29/463,699, filed on Feb. 11, 2014, now abandoned.

(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/135**; D24/133; D24/152; D24/176

(58) **Field of Classification Search**
USPC ... D24/140, 135, 136, 152, 176, 180, 110.5, 600/242
D24/147, 154, 153; D29/108; D28/91.2;
CPC A61C 5/14; A61C 17/10; A61C 13/38;
A61C 5/00; A61C 7/146; A63B 23/032;
A61B 1/24

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D52,645 S * 11/1918 Friedman D24/135
D127,463 S * 5/1941 Nerbas D24/135
D208,894 S * 10/1967 Wedermeyer D24/136
D360,262 S * 7/1995 Ly D24/147
D372,094 S * 7/1996 Bergstrom D24/154

OTHER PUBLICATIONS

Helping Hand Dental—About, announced Oct. 12, 2016 [online], [site visited Nov. 3, 2016]. Available from internet, URL: <http://helpinghanddental.com/about.html>.*

Helping Hand Dental—Gallery, announced Oct. 12, 2016 [online], [site visited Nov. 3, 2016]. Available from internet, URL: <http://helpinghanddental.com/gallery.html>.*

(Continued)

Primary Examiner — Keli L Hill

Assistant Examiner — Karra S Johnson

(74) *Attorney, Agent, or Firm* — James R Thein

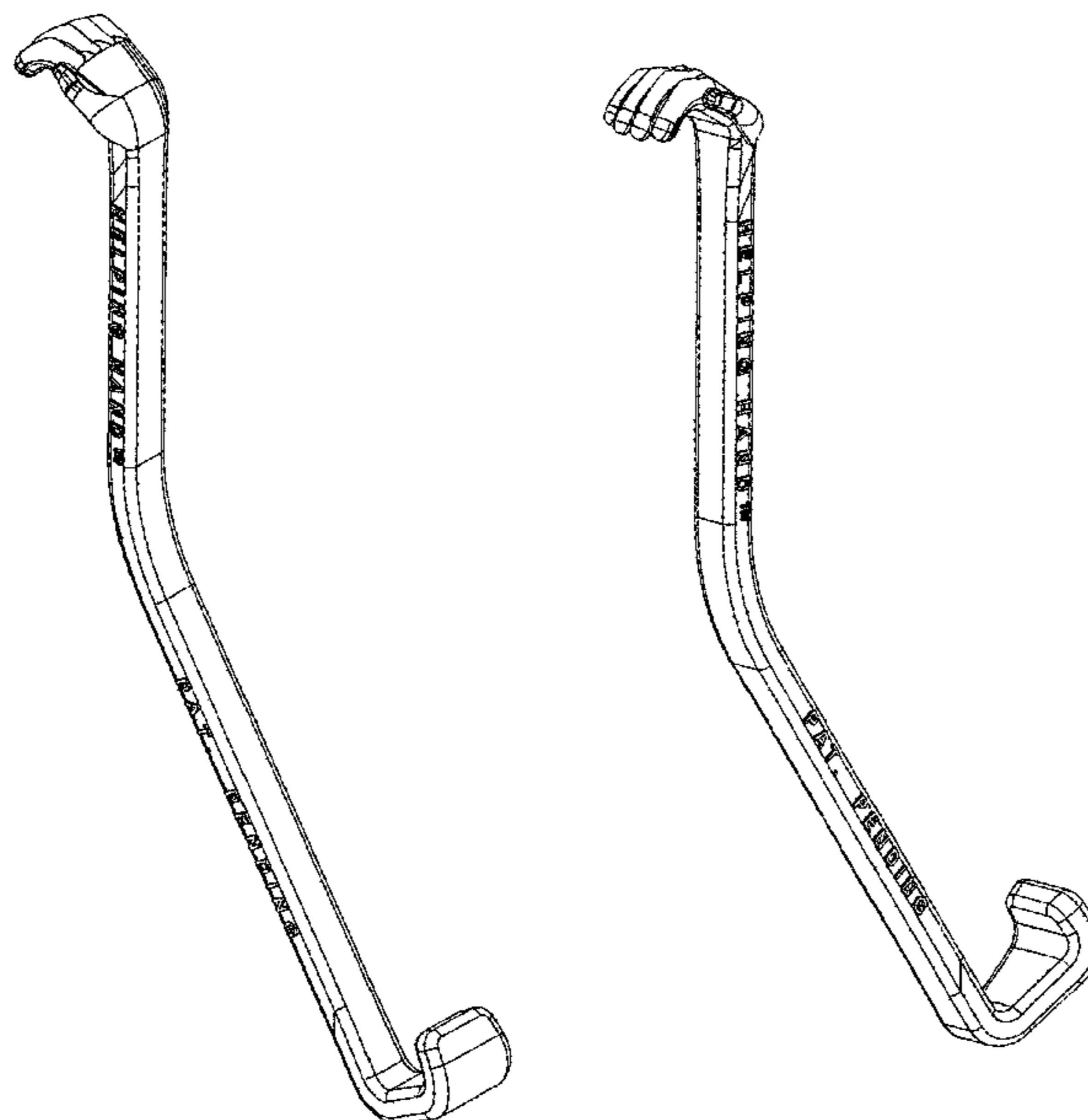
(57) **CLAIM**

The ornamental design for a dental retractor, as shown and described.

DESCRIPTION

FIG. 1 is a top, rear perspective view of a dental retractor.
FIG. 2 is a top, front perspective view thereof.
FIG. 3 is a side view thereof.
FIG. 4 is a front view thereof.
FIG. 5 is a rear view thereof.
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

1 Claim, 7 Drawing Sheets



(56)

References Cited

OTHER PUBLICATIONS

Helping Hand Intro Video, announced Aug. 15, 2014 [online], [site visited Nov. 3, 2016]. Available from internet, URL: <<https://www.youtube.com/watch?v=GLqrgDg8IKM>>.*

The Helping Hand—Testimonial, announced Dec. 17, 2014 [online], [site visited Nov. 3, 2016]. Available from internet, URL: <<https://www.youtube.com/watch?v=6U0U-uwAXcg>>.*

Helping Hand Mouth Retractor, announced May 22, 2014 [online], [site visited Nov. 3, 2016]. Available from internet, URL: <<https://www.youtube.com/watch?v=addTpcUzuos>>.*

* cited by examiner

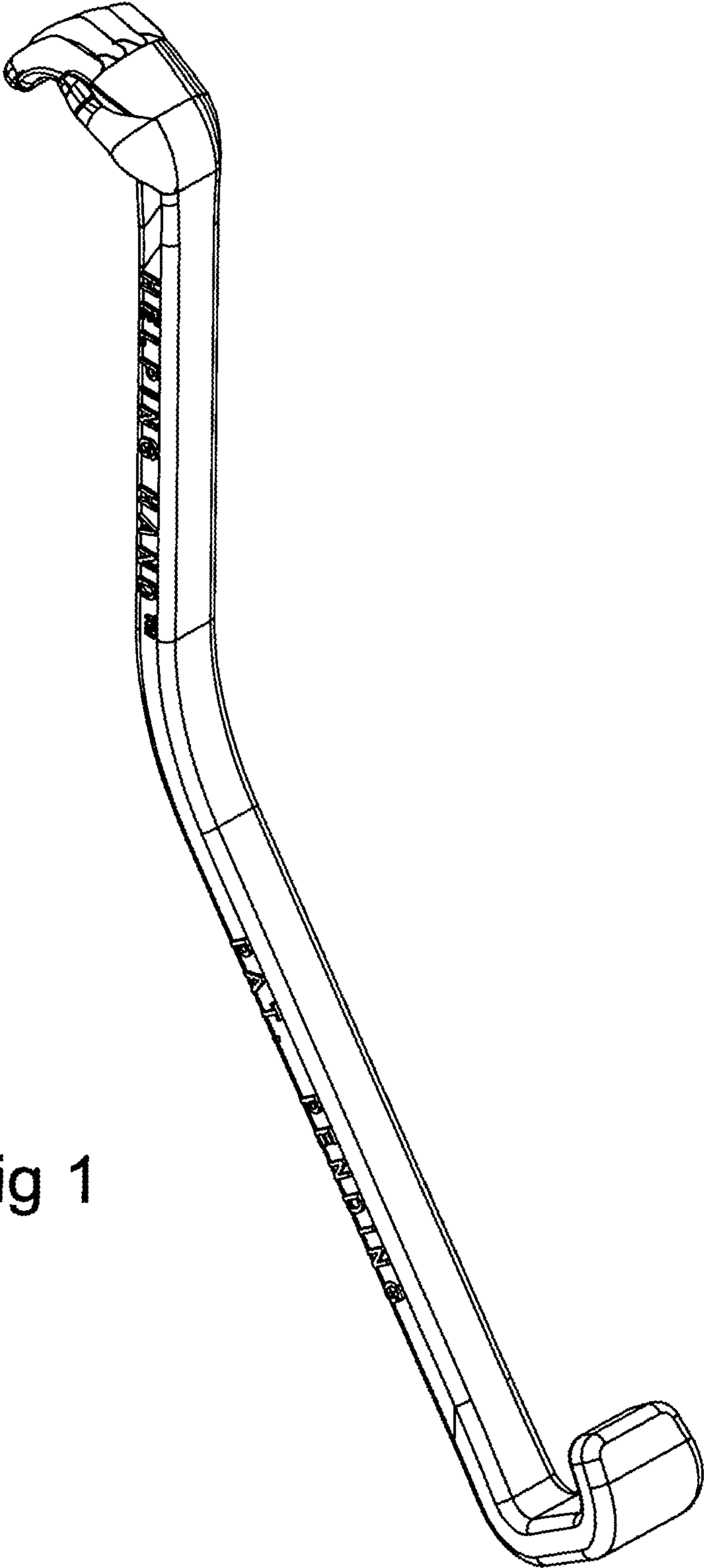


Fig 1

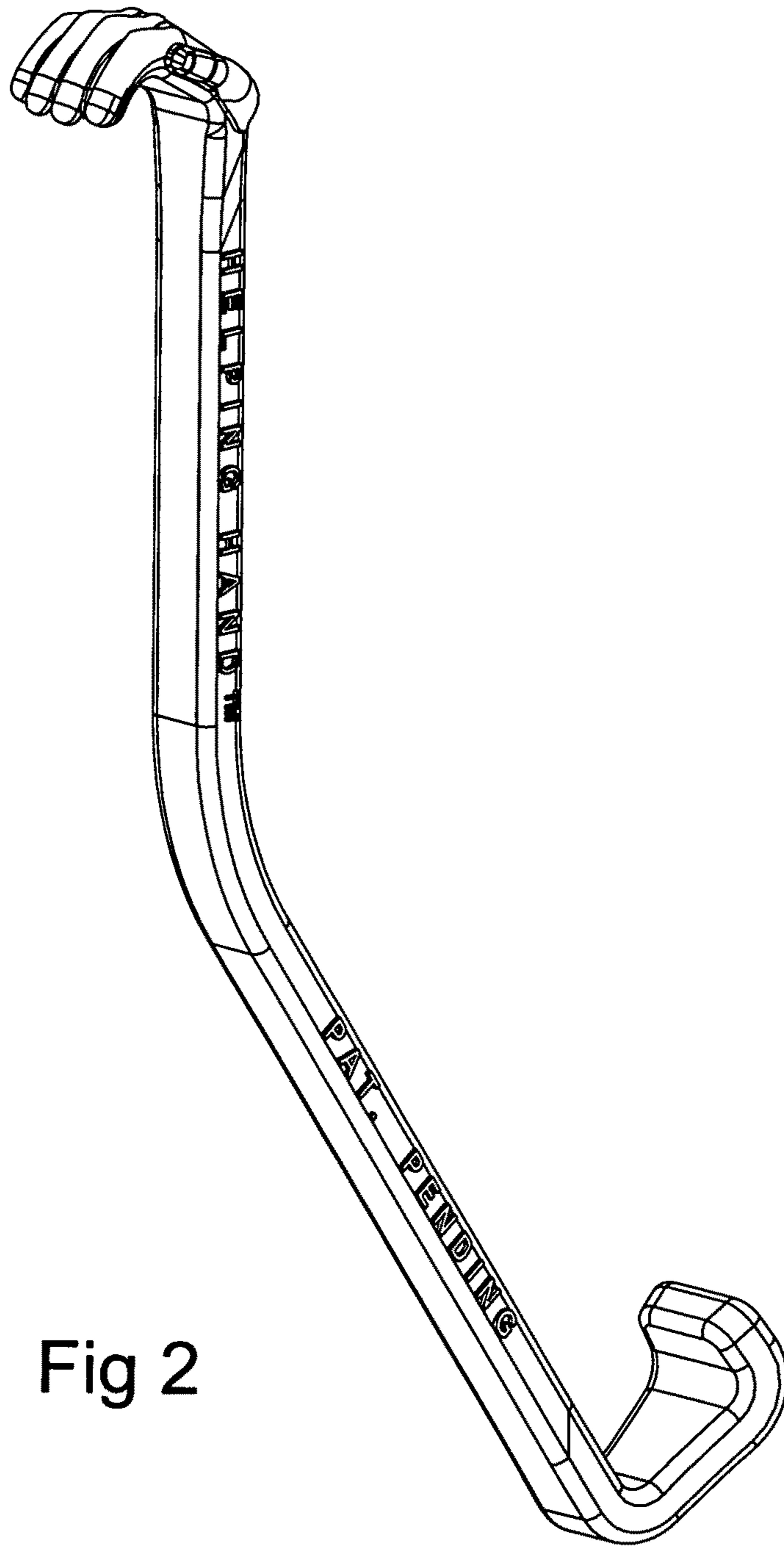


Fig 2

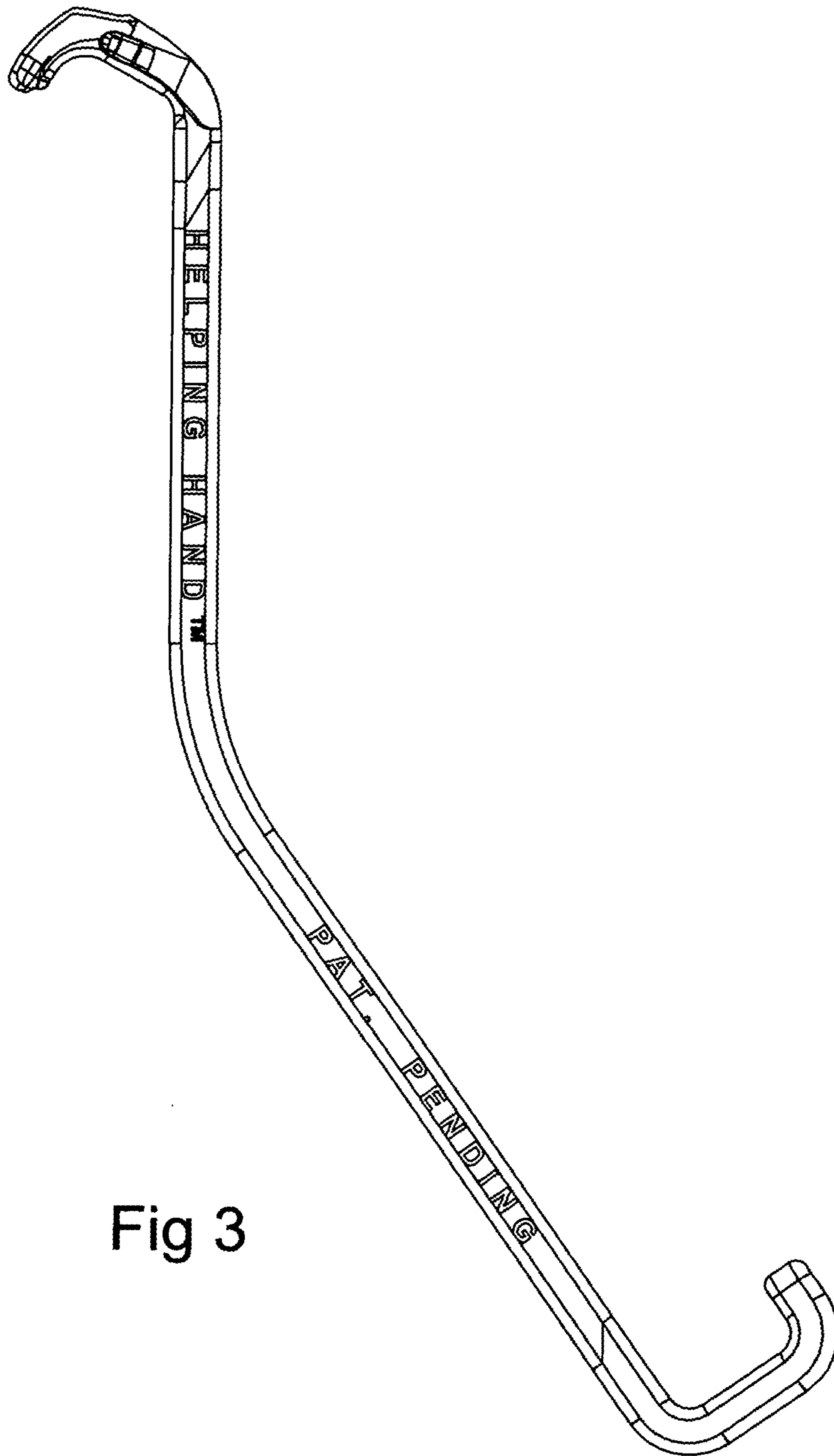


Fig 3

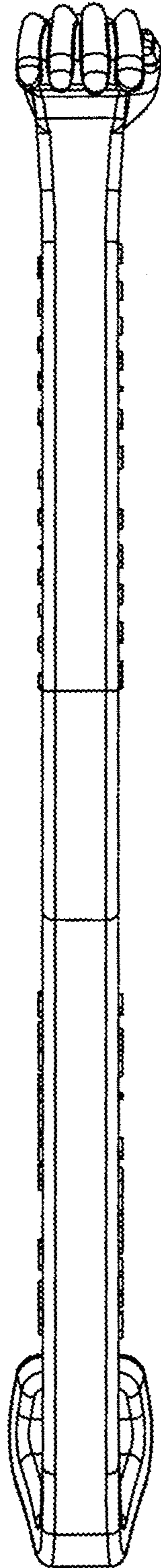


Fig 4

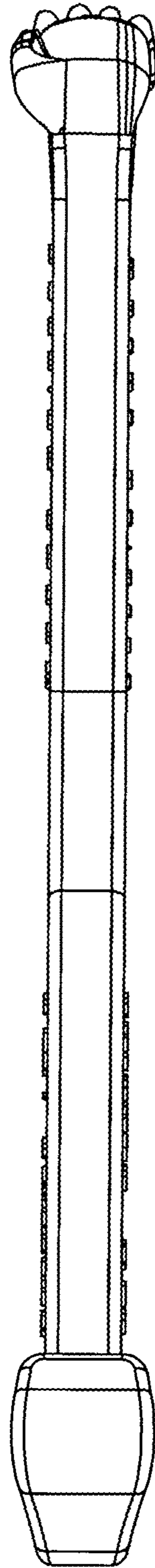


Fig 5

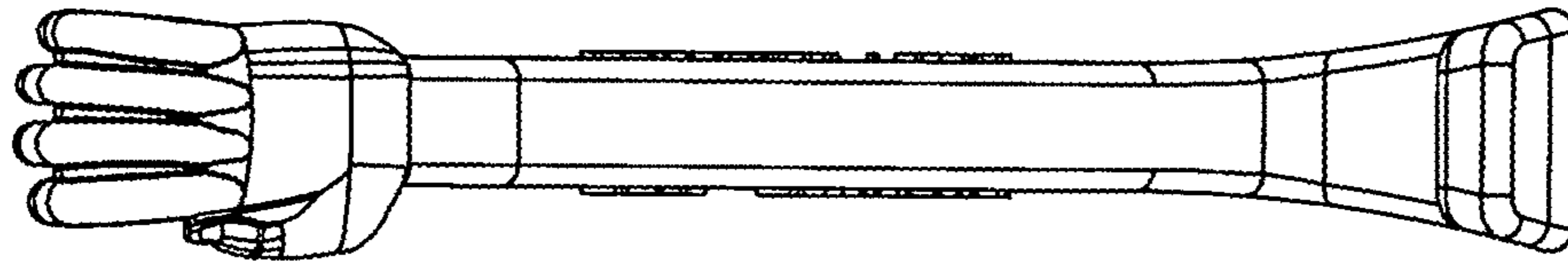


Fig 6

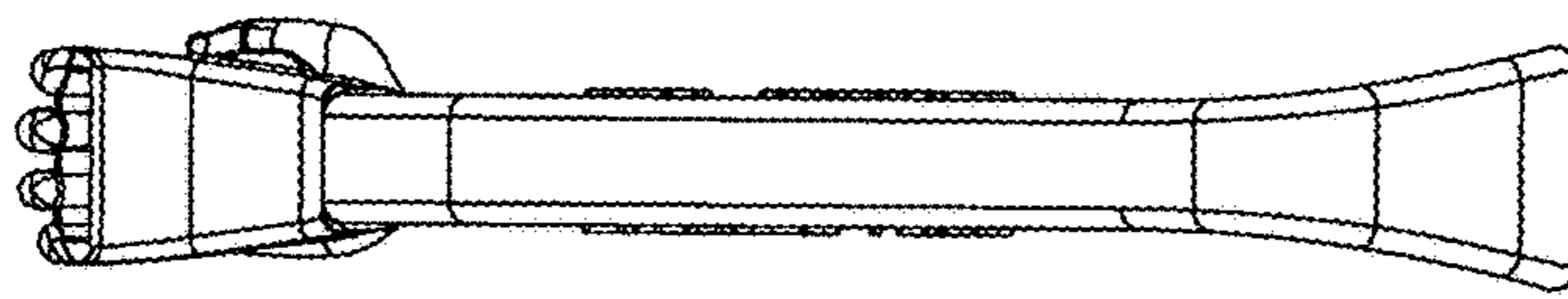


Fig 7