



(12) **United States Design Patent**
Soosalu et al.

(10) **Patent No.:** **US D1,035,010 S**
(45) **Date of Patent:** **** Jul. 9, 2024**

(54) **SENSOR**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **GE Precision Healthcare LLC,**
Wauwatosa, WI (US)

CN 305545845 * 1/2020
JP D1583050 * 8/2017

(72) Inventors: **Milvi Soosalu,** Espoo (FI); **Kristina Leppälä,** Uusimaa (FI)

OTHER PUBLICATIONS

(73) Assignee: **GE PRECISION HEALTHCARE LLC,** Wauwatosa, WI (US)

Renew, Neuromuscular blockade management in the critically ill patient, Published on May 24, 2020, Journal of Intensive Care, Retrieved from Internet: <https://jintensivecare.biomedcentral.com/articles/10.1186/s40560-020-00455-2> (Year: 2020).*

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

(Continued)

(21) Appl. No.: **29/867,113**

Primary Examiner — Jennifer L Rempfer

(22) Filed: **Oct. 10, 2022**

Assistant Examiner — Edward P Jones

Related U.S. Application Data

(74) *Attorney, Agent, or Firm* — McCoy Russell LLP

(62) Division of application No. 29/754,548, filed on Oct. 12, 2020, now Pat. No. Des. 970,018.

(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/186**

(58) **Field of Classification Search**

USPC D24/164–169, 173–174, 185–188, 107,
D24/200, 231; D10/46, 52, 57, 96, 103;
D13/182
CPC A61B 5/01; A61B 5/0006; A61B 5/0059;
A61B 5/332; A61B 5/333; A61B 5/24;
A61B 5/02438; A61B 5/002; A61B
5/0002; A61B 5/022; A61B 5/0205; A61B
5/68; A61B 5/6801–6829; A61B
2562/0271; G16H 15/00; G16H 50/00;
G16H 50/20–80; G16H 80/00; G16H
20/00;

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,625,481 B2 9/2003 Bennett et al.
D655,014 S 2/2012 Gilsdorf et al.

(Continued)

(57) **CLAIM**

The ornamental design for a sensor, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a sensor according to the claimed design.

FIG. 2 is a bottom perspective view of the sensor.

FIG. 3 is a top view of the sensor.

FIG. 4 is a bottom view of the sensor.

FIG. 5 is a left side view of the sensor.

FIG. 6 is a right side view of the sensor.

FIG. 7 is an enlarged rear view of the sensor.

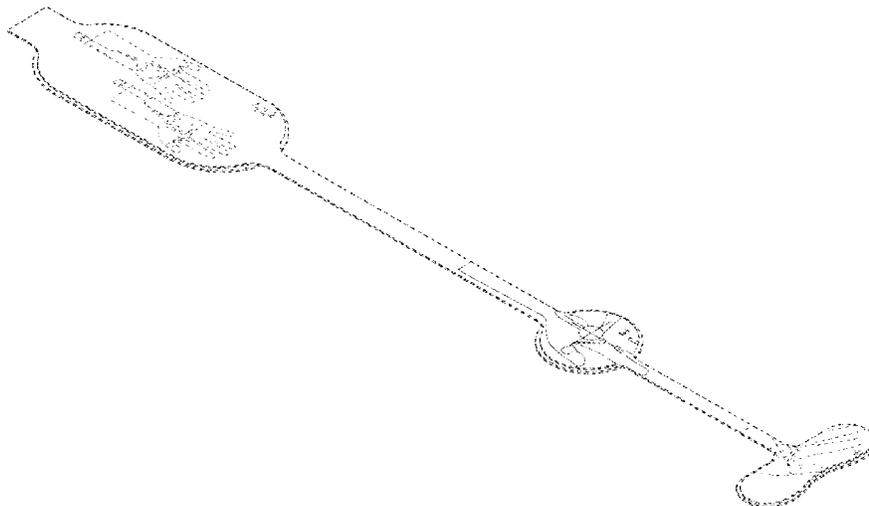
FIG. 8 is an enlarged front view of the sensor; and,

FIG. 9 is an enlarged view of the encircled portion of FIG. 3.

The bold dashed lines in FIGS. 1, 3, and 9 illustrate crosshair features of the sensor that are claimed. The other broken lines in the drawings illustrate portions of the sensor that form no part of the claimed design.

The dash-dot-dot broken lines in FIGS. 3 and 9 indicating the encircled portions form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(58) **Field of Classification Search**
 CPC ... G16H 20/30; G06K 19/07762; G01N 33/66
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D669,186 S	10/2012	Gozani	
D669,187 S	10/2012	Gozani	
D675,739 S	2/2013	McCormack	
D702,356 S *	4/2014	Vosch	D24/187
D718,458 S *	11/2014	Vosch	D24/187
D744,659 S *	12/2015	Bishay	D24/187
D783,832 S	4/2017	Dascoli et al.	
D800,584 S *	10/2017	Ahong	D24/186
D851,260 S	6/2019	Cryan	
D860,465 S *	9/2019	Lovell	D24/187
D893,033 S *	8/2020	Ye	D24/167
D905,858 S *	12/2020	Lovell	D24/187
D926,323 S	7/2021	Dascoli et al.	
D927,690 S	8/2021	Limem et al.	
D927,699 S *	8/2021	Al-Ali	D24/187
D932,019 S	9/2021	Royea	

D997,938 S *	9/2023	Akl	D14/344
2012/0143032 A1	6/2012	Cyphery et al.	
2014/0235991 A1	8/2014	Gadsby	
2015/0238106 A1	8/2015	Lappalainen et al.	
2018/0116544 A1 *	5/2018	Yuen	A61B 5/1123
2018/0146918 A1	5/2018	Kim et al.	
2019/0192051 A1	6/2019	Savinen	
2019/0223764 A1 *	7/2019	Hulvershorn	A61B 5/24
2021/0204879 A1	7/2021	Gelfinan et al.	
2022/0296165 A1 *	9/2022	Datta	A61B 5/318

OTHER PUBLICATIONS

Bussey, et al., Train-of-four monitoring with the twitchview monitor electctromyograph compared to the GE NMT electromyograph and manual palpation, Published on: Dec. 2021, ResearchGate.net, Retrieved from Internet: https://www.researchgate.net/publication/346516193_Train-of-four_monitoring_with_the_twitchview_monitor_electctromyograph_compared_to_the_GE_NMT_electromyograph_and_manual_palpation (Year: 2021).*

* cited by examiner

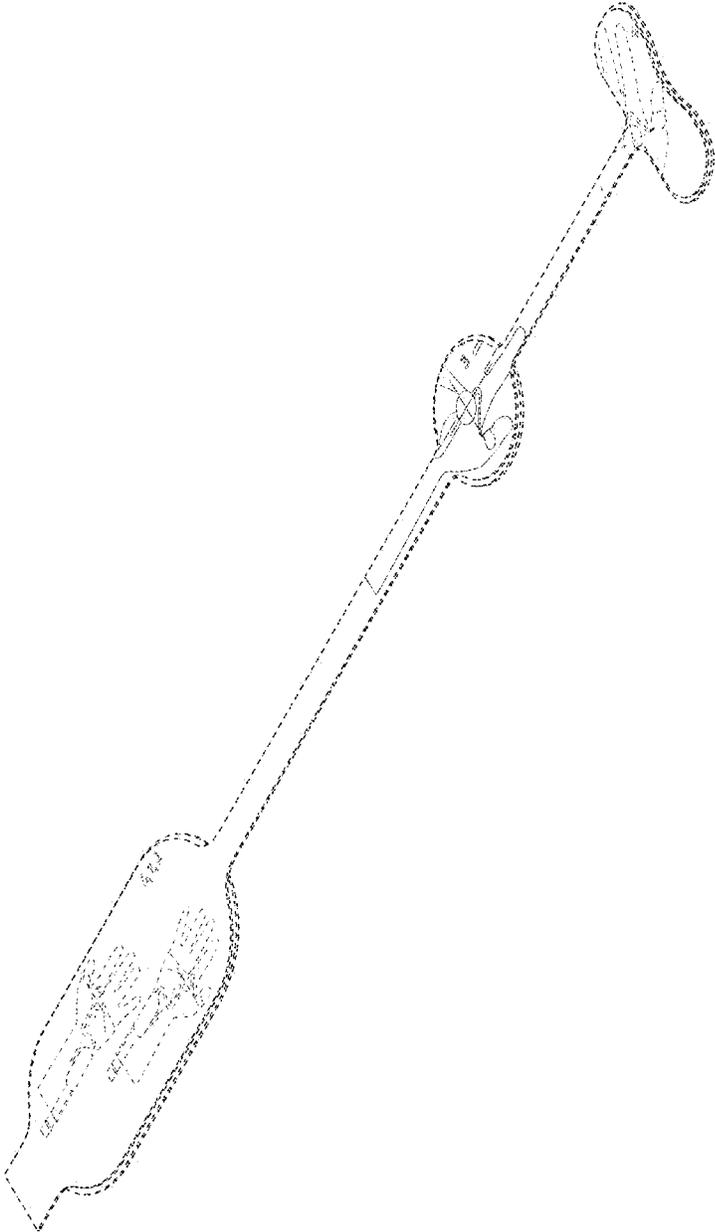


FIG. 1

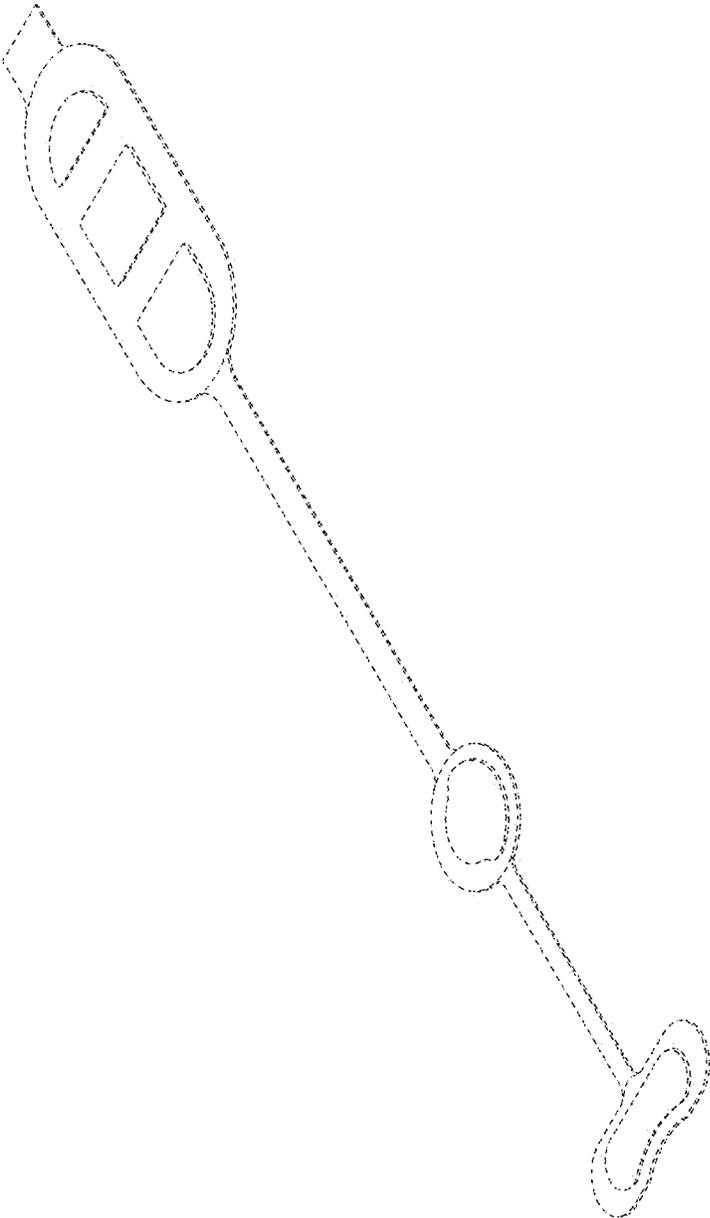


FIG. 2



FIG. 3

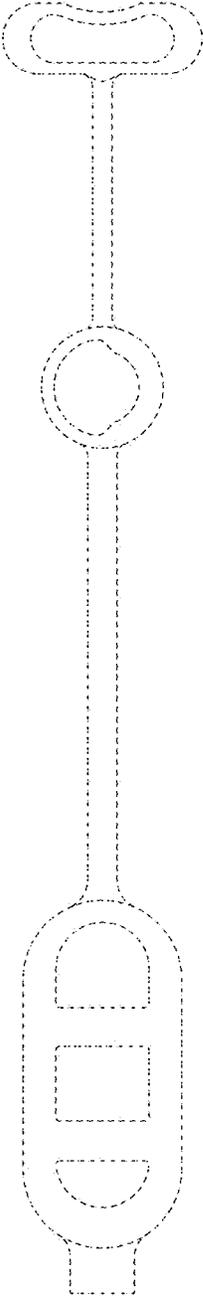


FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8

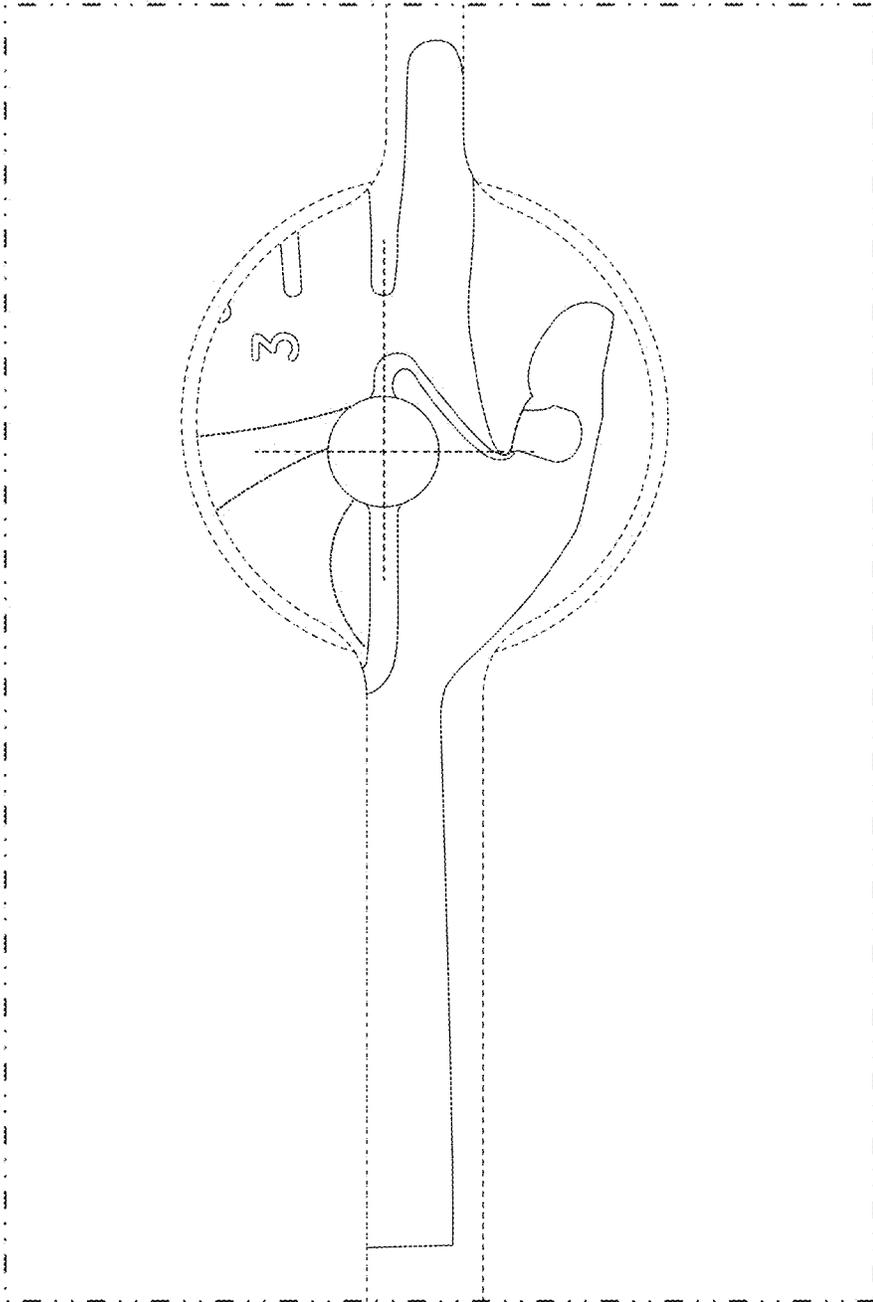


FIG. 9